THE HARYANA STATE COOPERATIVE SUPPLY

AND MARKETING FEDERATION LIMITED

CORPORATE OFFICE, SECTOR 5, PANCHKULA HARYANA (INDIA)
TEL: 2590520-24, FAX: 2590711 E.Mail: hafed@hry.nic.in
Web-site: www.hafed.gov.in

E-Tender notice for Supply and installation of CCTV Surveillance System in Hafed Corporate Office, Panchkula

HAFED an apex co-operative organization in the State of Haryana having annual turnover of approx 12,000 crore intends to invite e-tenders from the reputed OEM and OEM authorized bidders for Supply and installation of CCTV Surveillance System in Hafed Corporate Office, Panchkula. Tender documents containing terms & conditions can be downloaded from e-tendering portal **https://etenders.hry.nic.in** and at Hafed Website **http://hafed.gov.in**. The bidders can submit their tender documents through e-Tender portal as per dates given in the tender document. All bidders are required to get register on e-tendering portal & obtain Digital Signature. Technical & Financial bid will be opened at Hafed Corporate Office, Sector-5, Panchkula (Haryana). Hafed reserves the right to accept/reject any/all the tenders or increase/decrease the tendered quantity without assigning any reason.

MANAGING DIRECTOR
HAFED: PANCHKULA

DETAILED NOTICE INVITING TENDER

Hafed invites e-tenders for supply and installation of CCTV Surveillance System in Hafed Corporate Office, Panchkula in single stage, two cover systems. Under this process, the Technical Bid Application as well as online Price Bid shall be invited at single stage under two covers i.e. Technical Bid & Commercial Envelope. Eligibility of the Bidders will be first examined based on the details submitted online under first cover (Technical) with the request to eligibility and qualification criteria prescribed in the Tender document. The Price Bid under the second cover shall be opened for only those bidders whose Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

1. **The payment for Tender Document Fee and Processing Fee shall be made by the bidders online directly through Debit Cards & Internet Banking Accounts and the payment for EMD can be made online directly through RTGS/NEFT or OTC Please refer to 'Online Payment Guideline' available at the Single e-Procurement portal of GoH (Govt. of Haryana) and also mentioned under the Tender Document.**

2. Intending bidders will be mandatorily required to online sign-up (create user account) on the website **https://etenders.hry.nic.in** to be eligible to participate in the e-Tender. **He/ She will be required to make online payment of required EMD in due course of time. The intended parties fails to pay EMD fee under the stipulated time frame shall not be allowed to submit his/her bids for the respective event/Tenders.**

3. The interested bidders must remit the funds at least T+1 working day (Transaction + One Day) in advance as given under Key Dates **and make payment via RTGS/ NEFT or OTC to the beneficiary account number specified under the online generated challan. The intended bidder/agency thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/Tenders at** https://etenders.hry.nic.in

4. The interested bidders shall have to pay mandatorily Processing Fee of Rs 1000/- and document fee of Rs. 1000/- (Non refundable) online by using the service of secure electronic gateway. The secure electronic payments gateway is an online interface between bidders & online payment authorization networks.

5. The Payment for Earnest Money Deposit (EMD) of Rs.10,000/- can be made by eligible bidders online directly through online system.

6. The interested bidders must remit the funds at least T+1 working day (Transaction + One Day) in advance before the expiry date & time of the respective events. And make payment via RTGS/NEFT to the beneficiary account number specified under the online generated challan.

Key Dates

Sr. No.	HAFED Stage	Party Stage	Start Date and Time	Expiry Date and Time
1	Release of Tender	-	08.11.2019 17:01 Hrs.	25.11.2019 17:00 Hrs
2	-	Downloading of Tender Document/ Online Bid Preparation and Submission of online Bid	08.11.2019 17:01 Hrs.	25.11.2019 17:00 Hrs
3		Submission of Document fee, e-Service fee (1000+1000) and EMD (10,000)	25.11.2019 17:00 Hrs	
4	Opening of Technical Bid	-	26.11.2019 11:30 Hrs.	
5	Opening of Financial Bid	-	The exact date & time for opening of the financial bids would be communicated separately	

Important Note:

1) The bidders have to complete 'Application/Bid Preparation & Submission' stage on scheduled time as mentioned above. If any bidder failed to complete his/her aforesaid stage in the stipulated online time schedule for this stage, his/her Application/bid status will be considered as 'Applications/bids not submitted'.

2) Bidder must confirm & check his/her Application/bid status after completion of his/her all activities for e-bidding.

3) Bidder can rework on his/her bids even after completion of 'Application/Bid Preparation & submission stage' (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Applicant/Bidder Stage.

INSTRUCTIONS TO BIDDER ON ELECTRONIC TENDERING SYSTEM

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

1.   **Registration of bidders on e-Procurement Portal:**
All the bidders intending to participate in the tenders process online are required to get registered on the centralized e-Procurement Portal i.e. **https://etenders.hry.nic.in** Please visit the website for more details.

2.   **Obtaining a Digital Certificate:**
2.1   The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

2.2   A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – **https://etenders.hry.nic.in**

2.3   The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from.

2.4   The bidder must ensure that he/she comply by the online available important guidelines at the portal **https://etenders.hry.nic.in** for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.

2.5   Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).

2.6 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

2.7 In case of any change in the authorization, it shall be the responsibility of management/ partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person/ user on behalf of the firm/ company. The procedure for application of a digital certificate however will remain the same for the new user.

2.8 The same procedure holds true for the authorized users in a private/ Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

3. Pre-requisites for online bidding:
In order to operate on the electronic tender management system, a user's machine is required to be set up. A help file on system setup/Pre-requisite can be obtained from NIC or downloaded from the home page of the website - **https://etenders.hry.nic.in** The link for downloading required java applet & DC setup are also available on the Home page of the e-tendering Portal.

4. Online Viewing of Detailed Notice Inviting Tenders:
The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal e-Procurement system on the Home Page at https://etenders.hry.nic.in

5. Download of Tender Documents:
The tender documents can be downloaded free of cost from the e-Procurement portal https://etenders.hry.nic.in

6. Key Dates:
The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time

locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

7. **Online Payment of Tender Document Fee, Processing fee & EMD fees & Bid Preparation & Submission (Technical & Commercial/Price Bid):**

7.1 **Online Payment of Tender Document Fee + Processing fee:** The online payment for Tender document fee, Processing Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and Processing Fee shall be made by bidders/Vendors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD shall be made online directly through RTGS / NEFT & OTC.

The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

7.2 **PREPARATION & SUBMISSION OF online APPLICATIONS/BIDS:**

(i) Detailed Tender documents may be downloaded from e-Procurement website **https://etenders.hry.nic.in** and tender mandatorily be submitted online following the instruction appearing on the screen.

(ii) Scan copy of Document to be submitted / uploaded for Technical bid under online Technical Envelope. The required documents (refer to DNIT) shall be prepared and scanned in different file formats (in PDF/JPEG/MS WORD format such that file size is not exceed more than 10 MB) and uploaded during the on-line submission of Technical Envelope.

(iii) **FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually)**

8. **ASSISTANCE TO THE BIDDERS**

For queries on Tenders Haryana Portal, Kindly Contact
Note: Bidders are requested to kindly mention the URL of the ortal and Tender ID in the subject shiel emailing any issue along with the contact detail. For any issue/clarification relating to the Tender (s) published kindly contact the repective tender Inviting Authority.

Tel:-0120-4200462,0120-4001002
Mobile:88262-46593
Email:-support.etender@nic.in
For any techincal related queries please call at 24x7 Help Desk number
0120-4001002,0120-4200462,0120-4001005,120-6277787

For support related to Haryana Tenders in addition to help desk you may also contact on email ID eproc.nichry@yahoo.com, Tel:0172-2700275

Timing:

> Technical support assistance will be available over telephone Monday to Friday (9:00am to 5:30pm) (Helpdesk Support in team shall not be contracted for online bidding on behalf of the contractors).

Note: Contact e-Procurement helpdesk on or before prior to 4 hours of the scheduled closing date and time of respecive e-tendering event. Also, for queries related to e-payment of EMD kinldy contact the helpdesk at least two days prior to closing date and time of the respective event.

> Intended bidders mandatorily requried to register their quries if there is any

pertaining to the online bidding and the single e-Procurment portal at email address:- https://etenders.hry.nic.in

NOTE:-

Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal https://etenders.hry.nic.in

(Online Payment Guidelines)

Guideline for Online Payments at e-Procurement Portal of Government of Haryana.

> Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing) & Password. Bidder shall proceed to select the event/Tenders he is interested in. On the respective Department's page in the e-Procurement portal, the Bidder would have following options to make payment for tender document fee + Processing fee & EMD:

A. Debit Card
B. Net Banking
C. RTGS/NEFT or Over The Counter (OTC)

Operative Procedures for Bidder Payments

A)   Debit Card

The procedure for paying through Debit Card will be as follows:

(i)   Bidder selects Debit Card option in e-Procurement portal.

(ii)   The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.

(iii) Bidder clicks on "Continue" button.

(iv) The e-Procurement portal takes the bidder to Debit Card payment gateway screen.

(v)   Bidder enters card credentials and confirms payment

(vi)   The gateway verifies the credentials and confirms with "successful" or "failure" message, which is confirmed back to e-Procurement portal.

(vii)   The page is automatically routed back to e-Procurement portal

(viii) The status of the payment is displayed as "successful" in e-Procurement portal.

(ix)   In case of successful payment, a success message along with unique transaction ID is passed on to e-Procurement system. The e-tendering portal shall store the unique transaction number in its database along with the date and timestamp.

(x)   The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

B)   Net Banking
The procedure for paying through Net Banking will be as follows:

(i)   Bidder selects Net Banking option in e-Procurement portal.

(ii)   The e-Procurement portal displays the amount to be paid by bidder.

(iii)   Bidder clicks on "Continue" button

(iv)   The e-Procurement portal takes the bidder to Net Banking payment gateway screen displaying list of Banks

(v)   Bidder chooses his / her Bank

(vi)   The Net Banking gateway redirects Bidder to the Net Banking page of the selected Bank

(vii)   Bidder enters his account credentials and confirms payment

(viii) The Bank verifies the credentials and confirms with "successful" or "failure" message to the Net Banking gateway which is confirmed back to e-Procurement portal.

(ix)   The page is automatically routed back to e-Procurement portal

(x)   The status of the payment is displayed as "successful" in e-Procurement portal.

(xi)   In case of successful payment, a success message along with unique transaction ID is passed on to e-Procurement system. The e-Procurement portal shall store the unique transaction number in its database alongwith the date and timestamp.

(xii)   The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

C)   RTGS/ NEFT

This solution shall also allow the bidder to make the EMD payment via RTGS/NEFT this shall add to the convenience of those bidders who are not conversant to use net banking option to make the transaction.

Using this module, bidder would be able to pay from their existing bank account through RTGS/NEFT. This would offer a wide reach for more than thousands bank branches and would enable the bidder to make the payment from almost any bank branch across India.

1.   To choose the payment of EMD, the bidder clicks on RTGS/NEFT payment option.

2.   Upon doing so, the e-Procurement portal will redirect the bidder to a page where it will generate a Challan.

3. This Challan shall include the beneficiary (virtual) account number and other details like beneficiary IFSC code each.

RTGS / NEFT Payment Procedure

The bidder shall be required to take a print of the challan and make the RTGS/ NEFT on the basis of the virtual account number period on the challan. This provision will ensure that number confidential details regarding the bidder or tender are disclosed to the bank while remitting the RTGS/NEFT.

The bidder would remit the fund at least one day in advance to the last day and make the payment via RTGS/NEFT to the beneficiary account number as mention in the challan. SBI Bank shall receive this amount and credit the payment gateway service provider intermediary Department/ PSUs Escrow Security Deposit account post validating the first part of the beneficiary account number, i.e., the client code only, In case of validation of client code is not successful, the bank shall return the fund and not credit the Techprocess intermediary Department/PSUs Escrow Security Deposit A/c.

D) Over the Counter (OTC)

This solution shall allow the bidder having account with SBI bank, to make the payment from any CMS enables Branch of SBI Bank in India. Bidders can make the payment via cash (if amount is <=[]49,999), Demand Draft or SBI Bank Cheque.

The procedure for paying through OTC mode is as follows:

(i) Bidder selects over the counter remittance option in e-Procurement portal.

(ii) The e-Procurement portal displays the amount to be paid. The bidder chooses the bank account number for refund of the amount.

(iii) Bidder clicks on "Continue" Button.

(iv) The e-Procurement portal displays the details of payment. The Bidders click on "Print_Challan" and print the OTC Challan.

(v) Bidder submits the OTC Challan at the counter of any designated bank of SBI Bank with Cash/Demand Draft/SBI Bank Cheque (Payment in Cash is allowed upto Rs. 49,999/-).

(vi) SBI bank verifies the URL (format to be discussed and decided) and amount with e-Procurement portal prior to accepting the payment.

(vii) On successful verification from e-Procurement portal, SBI bank accepts the payment. In case of failure, SBI bank shall return back the OTC challan and payment to the bidder.

(viii) SBI bank commits the payment transaction (in case of successful verification from e-Procurement portal) and sends the Bank Transaction number (I-Sure Reference Number) online against the URN and Amount.

(ix)   SBI bank will generate receipt for the payment transaction and issues the same to the bidder.

(x)   The e-Procurement system update the bank transaction number against the URN and Amount based on the details sent by SBI bank online prior to generation of the receipt.

(xi)   The status of the payment will be displayed as "verification successful" in e-Procurement Portal, when the bidder clicks on the verification option in the portal.

(xii)   Bidder would be required to upload the scan copy of receipt as received from SBI Bank as part of proof in next tender portal before submitting the tender.

TERMS AND CONDITIONS

This is a two-bid tender to be submitted through e-tender, which can be online downloaded either from the Hafed's website: http://.hafed.gov.in or from https://etenders.hry.nic.in portal.

1.   The technical as well as financial bid is to be submitted online on the web portal https://etenders.hry.nic.in. However, the firms have the option to submit the supporting documents as required to be supported along with the technical bid either through the online mode along with the technical bids.

2.   Bidders will have to procure/should have a legally valid digital signature certificate as per the Information Technology Act 2000, using which they can sign their online bids. Documents for the technical bid and the financial bid shall be submitted separately as per details given below.

3.   Technical bid

The proforma of technical bid is enclosed at **Annexure-1**.

The following documents are required to be submitted by the bidders with this Technical Bid:

I.   Self attested copies of the valid registration certificates of the firm/ company.
II. OEM/ OEM Authorized bidder certificate for this e-tender.
III. The interested bidder must have its presence (offices/ service centre) in the Tricity (Chandigarh, Panchkula & Mohali).
IV. The interested bidder should have experience of successfully executing similar projects for at least 2-3 organizations preferably in Govt. departments/ PSUs.
V.   Bidder should not have been black listed by any State/ Central Government departments/ agencies or any other Public Sector undertaking as on the release date. (Self-undertaking on the letter head of the bidder duly signed and stamped by the Gazetted officer).
VI. Self attested photocopy of PAN No. of the tendering company
VII. Self attested photocopy of the GST Registration Number.

4. **FINANCIAL BID:** The rates are to be quoted in financial bids cover online. The proforma for the financial bid is enclosed at **Annexure-2**. Financial bid of only technically qualified bidders will be opened.

5. **GENERAL TERMS & CONDITIONS:**

i. The detailed technical specifications along with the tendered quantity of each product are enclosed at **Annexure A**.

ii. **EMD:** The earnest money of the unsuccessful tenderers will be refunded after the finalization of the tender. However, Hafed shall pay no interest on the earnest money. Tenders not accompanied with earnest money shall not be allowed to bid the e-tender. The EMD of successful tenderers will be adjusted in security deposit.

iii. **Rates**: The rates offered should be F.O.R. destination i.e. HAFED Corporate Office, Sector-5, Panchkula, Haryana, and exclusive of taxes.

iv. **Delivery & Execution Period:** The delivery of the products and the execution of the project will have to be done within 60 days from the date of placement of the supply order by Hafed.

v **Warranty:** All the items will carry three years comprehensive onsite warranty.

vi **Payment terms:** 60% payment will be released on delivery of the items, 30% payment will be released after successful installation/ operationalization of the project. The 10% payment will be released on submission of Bank Guarantee by the supplier @ 10% of the total project cost valid upto 3 years from the installation/ operationalization of the project. In case the supplier will not submit the Bank Guarantee then balance 10% amount of the total project cost will be adjusted as security and will be released after successful completion of 3 years.

vii. **Penalty:** If the supplier fails to deliver any item within the prescribed period, the delayed consignment will be subject to Penalty @ 2% of the value of undelivered material shall be imposed on account of delay per week or part thereof subject to maximum of two weeks on the supplies as per the confirmed order. If supplier fails to supply the ordered material to Hafed Corporate office, Sector-5, Panchkula even during the grace period of two weeks (with penalty) then Hafed reserves its right to cancel the supply order/ contract and will be at liberty to arrange the material from any other sources at the risk and cost of the supplier.

viii **Software updates:** The supplier will guarantee the provision of all the software updates during the entire contract period of three years.

ix **Operational responsibility:** The overall responsibility for smooth operations of all the hardware/ software, data backup, data retrieval etc. will lie with the supplier for which he will deploy one technical support person in Hafed during the entire contract period of three years which may be extended on mutual consent basis.

x **Arbitration:** In case of arising any dispute between Hafed and the suppliers, it will be referred for arbitration to the Registrar, Cooperative Societies Haryana, whose decision shall be binding and final on both the parties.

PERFORMA OF TECHNICAL BID

1. Self attested copies of the valid registration certificates of the firm/ company.

2. OEM/ OEM Authorized bidder certificate for this e-tender.

3. The interested bidder must have its presence (offices/ service centre) in the Tricity (Chandigarh, Panchkula & Mohali).

4. The interested bidder should have experience of successfully executing similar projects for at least 2-3 organizations preferably in Govt. departments/ PSUs.

5. Bidder should not have been black listed by any State/ Central Government departments/ agencies or any other Public Sector undertaking as on the release date. (Self-undertaking on the letter head of the bidder duly signed and stamped by the Gazetted officer).

6. Self attested photocopy of PAN No. of the tendering company

7. Self attested photocopy of the GST Registration Number.

Note: In case the bidder proposes any other Brand/ Make sufficiency to the technical specifications and the scope of the tender they should submit a complying statement on all parameters and comparison statement which ensure an equal or higher quality than the specified brands/ makes. Such Brand/ Make can be accepted by HAFED only if it is fully satisfied with such claim of the bidder on the basis of the documentary evidence to be submitted by the bidder for this purpose.

PERFORMA OF FINANCIAL BID

S.No.	Items	Specifications	Qty	Rate per item (in Rs.) exclusive of taxes
1.	Supply, installation, testing & commissioning of Dome Cameras (Honeywell/ Pelco/ Axis)	2-MP Full HD, IP Camera (specification at Annex-A)	31	
2.	Supply, installation, testing & commissioning of Bullet Camera (Honeywell/ Pelco/ Axis)	2-MP Full HD, IP Camera (specification at Annex-B)	8	
3.	Supply, installation, testing & commissioning of PTZ Camera (Honeywell/ Pelco/ Axis)	2-MP Full HD, IP Outdoor Camera (specification at Annex-C)	3	
4.	Supply, installation, testing & commissioning of Network Video Recorder (NVR) (Honeywell/ Pelco/ Axis)	32-CH NVR for upto 32 IP Cameras (specification at Annex-D)	2	
5.	Supply, installation, testing & commissioning of Hard Disk (WD Purple, Seagate)	8-TB Hard Disk	8	
6.	Supply, installation, testing & commissioning of POE Switch (Cisco, D-Link, Netgear)	8-Port Gigabit POE Plus Switch (specification at Annex-E)	3	
7.	Supply, installation, testing & commissioning of POE Switch (Cisco, D-Link, Netgear)	16-Port Gigabit POE Plus Switch (specification at Annex-F)	3	
8.	Supply, installation, testing & commissioning of LED TV (Sony, Samsung, LG)	65" LED TV with LFD technology (specification at Annex-G)	1	
9.	Supply, installation, testing & commissioning of 5 KVA Online UPS (APC, Luminous)	5 KVA Online UPS (specification at Annex-H)	1	
10.	Supply, installation, testing & commissioning of CAT 6 cable (Cisco, D-Link, Schneider)	CAT 6 cable (Tentative quantity 2000 Mtr) (specification at Annex-I)	1 Mtr	
11.	Supply, installation, testing & commissioning of 2 Core	Power cable (Tentative quantity	1 Mtr	

		Power cable (Finolex, Havells , RR-Kabel)	2000 Mtr		
12.	Supply, installation, testing & commissioning of Conduit/ PVC Piping (Astral, Finolex, Supreme, Prince)	PVC Pipes/ Batten (Tentative quantity 500 Mtr)	1 Mtr		
13.	Supply, installation, testing & commissioning of 8U Rack	Metal Rack for NVR	1		
14.	Operations/ upkeep of all the hardware/ software, data backup, data retrieval etc one Technical support Person required for 36 months	Monthly charges	1		

- All Taxes will be extra as applicable.
- The tentative quantity of the items at sr.no. 10 to 12 in the above table has been mentioned only for the purpose of financial evaluation of the bids and quantity may vary at the time of actual installation.
- For any statutory charges like EPF, ESI etc. of the technical support person, the responsibility will lie with the service provider.

Note: In case the bidder proposes any other Brand/ Make to sufficiency to the technical specifications and the scope of the tender, they should submit a complying statement on all parameters and comparison statement which ensure an equal or higher quality than the specified brands/ makes. Such Brand/ Make can be accepted by HAFED only if it is fully satisfied with such claim of the bidder on the basis of the documentary evidence to be submitted by the bidder for this purpose.

2 MP IP Dome Camera

CAMERA TYPE	
Type of Camera Housing	DOME CAMERA
IP Camera	Yes
IMAGE SENSOR	
Image Sensor Type	CMOS
Image Sensor Size	1 inch
Camera Image Sensing capacity (Picture Mode)	2MP
Resolution	Full HD (1920 x 1080 Pixel)
Day/Night Capable	Yes
IR illumination Range(mtr)	30
OPTICS	
Lens Type	Fixed
Focal Length(mm)	3.6
Iris Control	Yes
Focus Mode	Auto,Zooming,One Push,Manual
VIDEO	
Frame Rate (fps)	30
Video Compression	H.264
Video Streaming	Triple compressed stream
External Microphone Support	Yes
ALARM	
Alarm Support	No
SECURITY	
Multi Level User ID/Password	Yes
IP Address Filtering	Yes

Encrypted Data Transmission	HTTPS (SSL/TSL)

PERFORMANCE

Minimum Illumination for Capturing Color Image	0.1 lux
Electronic Shutter Speed(sec)	1/3 to 1/10000
WDR (Wide Dynamic Range)	DWDR
SNR (Signal to Noise Ratio)	40-50
Auto Exposure	Auto Level Control,Electronic Level Control

FEATURES

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	Yes
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	5
Group Touring	5
Privacy Zones	4

NETWORK AND INTERFACE

Supported Protocols	UDP,DHCP,TCP/IP,NTP,RTSP,DDNS,SMTP,FTP,HTTPS

IP Support	Static,Dynamic
Signal Processing	Digital Signal Process
IPv6 ready	Yes
Wireless	No
Simultaneous Connections	5

STORAGE

On Board SD Card Support	No
SD Card Memory(GB)	NA

HOUSING

Installation Type	Indoor
Material of the Housing construction	Plastic
Protection	IP 66
Vandal Resistant Housing	Yes
If Yes, IK rating	IK 10
Mounting bracket	Ceiling Mounted
Weight	369 gram
Dimensions (mm x mm x mm)	87 X 108

POWER SUPPLY

Power Input	12 V DC
Power Consumption	2 Watt
Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	NA

OPERATING CONDITIONS

Operating Temperature Range	-20 to +50 deg C
Relative Humidity Non Condensing (%)	90

WARRANTY / SERVICES

Warranty	3 year
Time for Replacement of Defective Product During Warranty Period	72 hour
Supply of Compatible drivers and software included	Yes
BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
Availability of Type Test Report from Central Govt /NABL/ILAC accredited lab to prove conformity to specification	Yes
Test Report Number and Date	MT/2018/01 24/07/18
Name and Address of Test Lab	HONEYWELL
Certification	CE

2 MP IP Bullet Camera

CAMERA TYPE	
Type of Camera Housing	BULLET CAMERA
IP Camera	Yes
IMAGE SENSOR	
Image Sensor Type	CMOS
Image Sensor Size	1 inch
Camera Image Sensing capacity (Picture Mode)	2MP
Resolution	Full HD (1920 x 1080 Pixel)
Day/Night Capable	Yes
IR illumination Range(mtr)	30
OPTICS	
Lens Type	Fixed
Focal Length(mm)	3.6
Iris Control	Yes
Focus Mode	Auto
VIDEO	
Frame Rate (fps)	25
Video Compression	H.265+
Video Streaming	Dual compressed stream
ALARM	
Alarm Support	No
SECURITY	
Multi Level User ID/Password	Yes
IP Address Filtering	Yes
Encrypted Data Transmission	HTTPS (SSL/TSL)

PERFORMANCE

Minimum Illumination for Capturing Color Image	0.1 lux
Electronic Shutter Speed(sec)	1/3 to 1/10000
WDR (Wide Dynamic Range)	DWDR
SNR (Signal to Noise Ratio)	40-50
Auto Exposure	Auto Level Control

FEATURES

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	Yes
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	0
Group Touring	0
Privacy Zones	4

NETWORK AND INTERFACE

Supported Protocols	TCP/IP
IP Support	Dynamic

Signal Processing	Digital Signal Process
IPv6 ready	No
Wireless	No
Simultaneous Connections	5
STORAGE	
On Board SD Card Support	No
SD Card Memory(GB)	NA
HOUSING	
Installation Type	Outdoor
Material of the Housing construction	Alluminium
Protection	IP 66
Vandal Resistant Housing	No
If Yes, IK rating	NA
Mounting bracket	Wall Mounted
Weight	605 gram
Dimensions (mm x mm x mm)	87x219
POWER SUPPLY	
Power Input	12 V DC
Power Consumption	0 Watt
Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	NA
OPERATING CONDITIONS	
Operating Temperature Range	-20 to +50 deg C
Relative Humidity Non Condensing (%)	90
WARRANTY / SERVICES	
Warranty	3 year

Time for Replacement of Defective Product During Warranty Period	72 hour
Supply of Compatible drivers and software included	Yes
BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
Certification	CE

2 MP IP PTZ Camera

CAMERA TYPE	
Type of Camera Housing	DOME CAMERA
IP Camera	Yes
PTZ Camera	Yes
IMAGE SENSOR	
Image Sensor Type	CMOS
Image Sensor Size	0.34 inch
Camera Image Sensing capacity (Picture Mode)	2MP
Resolution	D1 (704 x 480 Pixel),HD (1280 x 720 Pixel),Full HD (1920 x 1080 Pixel)
Day/Night Capable	Yes
IR illumination Range(mtr)	50
OPTICS	
Lens Type	Motorized Varifocal
Focal Length(mm)	4.3 - 129
Iris Control	Yes
Focus Mode	Auto, Zooming
VIDEO	
Frame Rate (fps)	25,30,60
Video Compression	H.264,H.265,MJPEG
Video Streaming	Triple compressed stream
PAN / TILT / ZOOM	
Panning Range	0-360
Pan Speed (deg/sec)	240

Tilt Range below horizontal (deg)	0-90
Tilt Range above horizontal (deg)	0-5
Tilt Speed (deg/sec)	120
Optical Zoom	30X
Digital Zoom	16X
AUDIO	
Audio Support	Yes
Audio Compression	G.726,G.722.1,G.711,MP2L2,AAC
Audio Streaming	Full Duplex
Number of Audio Input Channel	1
Number of Audio Output Channel	1
External Microphone Support	Yes
ALARM	
Alarm Support	Yes
Number of Alarm Digital Input	2
Number of Alarm Relay Output	1
Pre/Post Alarm Buffer	Yes
SECURITY	
Multi Level User ID/Password	Yes
IP Address Filtering	Yes
Encrypted Data Transmission	HTTPS (SSL/TSL)
PERFORMANCE	
Minimum Illumination for Capturing Color Image	0.05 lux
Electronic Shutter Speed(sec)	1/3 to 1/10000
WDR (Wide Dynamic Range)	120 dB
SNR (Signal to Noise Ratio)	40-50

Auto Exposure	Auto Level Control,Electronic Level Control

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	Yes
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	100
Group Touring	8
Privacy Zones	24

NETWORK AND INTERFACE

Supported Protocols	UDP,SNMP,IGMP,DHCP,RTP,RSTP,HTTP,SMTP,FTP,HTTPS,DNS, DDNS,RTSP,RTCP,NTP,UPnP,QoS,TCP/IP
IP Support	Static
Signal Processing	Digital Signal Process
IPv6 ready	Yes

Wireless	No
Simultaneous Connections	20

STORAGE

On Board SD Card Support	Yes
SD Card Memory(GB)	128

HOUSING

Installation Type	Indoor, Outdoor
Material of the Housing construction	Alluminium
Protection	IP 66
Vandal Resistant Housing	No
If Yes, IK rating	NA
Mounting bracket	Wall Mounted
Weight	3500 gram
Dimensions (mm x mm x mm)	186.0 mm × 309.0 mm

POWER SUPPLY

Power Input	24 V DC, PoE
Power Consumption	23 Watt
Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	Yes

OPERATING CONDITIONS

Operating Temperature Range	-20 to +50 deg C
Relative Humidity Non Condensing (%)	90

WARRANTY / SERVICES

Warranty	3 year
Time for Replacement of Defective	72 hour

Product During Warranty Period	
Supply of Compatible drivers and software included	Yes
BIS Registration for safety general requirements as per IS 13252 (Part 1) : latest	Yes
Certification	FCC,CE,UL,CSA

Network Video Recorder (NVR) 32 Channel

TYPE	
Type of Recording Device	NVR
IP Camera Support	Yes
PTZ Camera control Support	Yes
Housing construction	Alluminium
Mounting	Rack Mounted
Rack Mount configuration	2U
Capability of Recorder to Work with Other Makes of CCTV Cameras (ONVIF support)	Yes
VIDEO	
Number of Video Input Channels	32
Number of Non-IP based Video input Channels for HVR	32
Number of IP based Video input Channels for HVR	NA
Number of Video Output Channels	32
Recording Resolution	Full HD (1920 x 1080)
Supported Compression Technique	H.265,H.264
Maximum Number of cameras to be viewed on a single display	32
Total number of simultaneous local views	4
Simultaneous Monitoring Connections for All Cameras (Users in Local Network for Client Connection)	16
Recording Speed for all channels (fps)	25

Minimum Through put (Mbps)	384
Display Image Rate	Real time per channel

AUDIO

Audio Support	Yes
Audio Input	4
Audio Output	1
Audio Compression	G.726,G.711,G.722.1,A-Law,U-Law,MP2L2,AAC
Minimum Number of Simultaneous Channels for Two-way Audio Support	1

SECURITY

Type of Encryption	HTTPS (SSL/TSL)
Multi Level User ID / Password	Yes

ALARM

Alarm Support	Yes
Alarm Input	4
Alarm Output	1
Pre / Post Alarm Buffer	Yes
Pre-Alarm Recording	15 second
Post-Alarm Recording	15 second
Video Content Analytics (VCA)	Motion Detection, Intrusion Detection, Tampering

NETWORK PROTOCOLS / INTERFACE / OPERATING SYSTEM

Operating System Supported	Windows, MAC, Linux
Supported Network Protocols	UDP,SNMP,IGMP,DHCP,RTP,RSTP,HTTP,HTTPS,DNS,DDNS,RTSP,RTCP,NTP,UPnP,SMTP,FTP,ICMP,QoS,TCP/IP
Supported	Ethernet, RS 232,RS-422,RS-485,USB

Interface	
Physical Layer of Ethernet	10/100/1000 Base TX
Number of Ethernet Ports	1
Number of HDMI Ports	2
Number of VGA Ports	1
Number of CVBS Ports	0
Number of USB Ports	4
Number of Serial Ports	0
Number of PoE Ports	0
Supported SIM Slot	NA
Number of SIM Slots	0

FEATURES

Video Loop Support	Yes
Video Recorder supports recording on NAS Directly	Yes
Remote Administration (Remote Configuration And Status Using Web Based Tool)	Yes
System Update (Remote System Update Over Network Using Web Client)	Yes
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
Drivers / Compatible Software (Wherever Applicable) Part Of Supply	Yes
Recording schedule support	Yes
Bandwidth Control	Yes
Camera Notification	Spot (POP up Window) on Event,SMS,E-mail
Network transmission Speed	Real time display @ D1 resolution
Other features, if any	na
PLAYBACK / VIEW / MANAGEMENT	
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,Video Window,Electronic Map on two separate monitors
Total Management	Group add,Delete,Group management
Camera	Add,Edit,Delete,Use Master account,Use Specific account
STORAGE	
Internal Hard Drive Interface	SATA III
Number of Hard Disks (inclusive in the scope of supply)	4
Storage Capacity of each Hard Disk (TB)	4
Total Storage Capacity(TB)	16
Internal Storage Expandable upto (TB)	32

Number of Hard Disks supported	4
Redundancy Option	NA
POWER SUPPLY	
Power Input	230 ± 10%, 50Hz
Power Consumption	102 Watt
Suitable Adapter to be Supplied to Make the Equipment Work on 230 V ± 10 %, 50 Hz	Yes
Redundant Power Supply	No
OPERATING CONDITIONS	
Minimum Operating Temperature	0 degree Celsius
Maximum Operating Temperature	40 degree Celsius
Relative Humidity Non Condensing at 40 deg C	80 percent
WARRANTY / SERVICES	
Warranty	3 year
Time for Replacement of Defective Product During Warranty Period	48 hour
ENVIRONMENTAL / CERTIFICATION	
Availability of facility and infrastructure for verification of all the parameters, features and capability with the Seller	Yes
Conformity to Dry Heat test at Specified Maximum Operating Temperature for 16 hours as per IS :9000 latest	Yes
Conformity to Damp heat at 40 degree C - 95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest	Yes
Conformity to Cold test at Specified Minimum Operating Temperature for 4 hours as per IS: 9000 latest	Yes

BIS Registration for safety general requirements as per IS: 13252 (Part 1): latest	Yes
Certification	FCC

POE 8 Port Switch

Specification

Type of Switch	UnManaged
Technology	PoE
Number of 1G Copper Ports	8
Number of 10G Copper Ports	1
No. of 1 G SFP Port (Uplink)	2
No. of 10 G SFP+ Port (Uplink)	0
Multi-Gigabit Support	Yes
Redundant Power supply (from day one)	Available
Console Port	Not Available
Switching Capacity -Non Blocking (Gbps)	20
Throughput (MPPS)	14
Operating System	available
Dedicated Stacking Port/Slot (from day one)	Not available
Stacking Bandwidth (Gbps)	20
Operating Temperature Range (Degree C)	-10
Operating Humidity (RH)(%)	+50
IPv6 Ready from day one and dully certified	Yes
PoE Power Budget (Watt)	60
on Site OEM Warranty	3

POE 16 Port Switch

Specification	
Type of Switch	UnManaged
Technology	PoE+
Number of 1G Copper Ports	16
Number of 10G Copper Ports	1
No. of 1 G SFP Port (Uplink)	0
No. of 10 G SFP+ Port (Uplink)	1
Multi-Gigabit Support	Yes
Redundant Power supply (from day one)	Available
Console Port	Not Available
Switching Capacity -Non Blocking (Gbps)	100
Throughput (MPPS)	100
Operating System	available
Dedicated Stacking Port/Slot (from day one)	Not available
Stacking Bandwidth (Gbps)	0
Operating Temperature Range (Degree C)	55
Operating Humidity (RH)(%)	90
IPv6 Ready from day one and dully certified	Yes
PoE Power Budget (Watt)	4.25
on Site OEM Warranty	3

65" LED TV

Specifications	
Type	LED Backlit LCD
Screen Size (Inches)	65
Resolution (Pixels)	(3840x2160) UHD
Category	Smart
Operating System in case of Smart TV	Web OS
Static contrast Ratio	1000 : 1
Typical Brightness	400 - 500
Screen Mirroring	Yes
Mount Type	Both table and wall mount
Inbuilt Speakers	Yes
If Yes, Wattage of Speakers	10W x 2
Sub Woofers	No
Power Consumption (Watts)	195
Ports & Connectivity	
Number of HDMI Ports	3
Number of USB Ports	2
Number of VGA Ports	0
Number of Ethernet Ports	1
Built-in Wi-fi	Yes
Wi-fi Direct	Yes
Input	
Composite Input	Yes
Component Input	Yes

RF Input	Yes
Accessories	
Built-in set-top Box	No
Details of accessories (included in the scope of supply)	Remote Control, Connecting Cable, Batteries
Certification	
BIS Registration as per CRS of Meity	Yes
BIS Registration Number	R-75000086
Energy Star Rating in line with the Government of Indiia Notification number S O 1896(E) and S O 1897(E)	NA
Generic	
Minimum Operating Temperature (Degree C)	0
Maximum Operating Temperature (Degree C)	40
Minimum Operating Humidity (%RH)	10
Maximum Operating Humidity (%RH)	80
Dimensions (Length x Breadth x Depth) (mm x mm x mm)	1463 X 914 X 269
Weight (Kg)	21.6
Warranty	
Warranty(Years)	3

5 KVA Online UPS

Output
Output power capacity : 4.5kWatts / 5.0kVA
Max Configurable Power (Watts) : 4.5kWatts / 5.0kVA
Nominal Output Voltage: 230V
Output Voltage Note : Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load : 94.0 %
Output Voltage Distortion: Less than 5%
Other Output Voltages: 220, 240
Topology: Double Conversion Online
Waveform type: Sine wave
Output Connections: (1) Hard Wire 3-wire (H N + G) (Battery Backup)
Bypass: Built-in Static Bypass
Input
Nominal Input Voltage: 230V
Input frequency: 40 - 70 Hz (auto sensing)
Input Connections: Hard Wire 3-wire
Input voltage range for main operations : 160 - 285V
Efficiency at Full Load: 94.0 %
Batteries & Runtime
Battery type: No internal battery - uses external battery system,
Communications & Management
Control panel: Multi-function LCD status and control console
Emergency Power Off (EPO): Yes,
Surge Protection and Filtering
Surge energy rating: 480Joules
Filtering: Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
Environmental
Operating Temperature: 0 - 40 °C
Operating Relative Humidity: 0 - 95 %
Operating Elevation: 0-900meters
Storage Temperature: -10 - 40 °C
Storage Relative Humidity: 0 - 95 %
Storage Elevation: 0-3000meters
Audible noise at 1 meter from surface of unit: 55.0dBA
Conformance
Standard warranty: 3 years repair or replace

Annexure - I

CAT – 6 Cable

CONSTRUCTIONAL	
Telephone Pair cable used for Telecom data transmission, Intercome, EPBAX, FAX, Closed circuit security System.	Yes
Conductor Materail	Copper
Insulation	PVC
Shelding	No
Minimum Diameter over insulation (mm)	1.04
Overall diameter of cable (mm)	6
CERTIFICATIONS	
Product Conforming to TEC Specification	Yes
Distinct Color Coding system	As per TEC Specification
Availability of complete and satisfactory type test Report from Central govt/ NABL/ ILAC accredited laboratory as per Govering Specification	Yes
Test certificate number	102706991CRT-002
Test report date	26/10/2016
Name of lab where test conducted	ETL - Intertek