



**GOVERNMENT OF KERALA
POLICE DEPARTMENT**

Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2722566
Fax: 0471- 2722566
e-mail: aig2phq.pol@kerala.gov.in
www.keralapolice.gov.in

H6/75631/2018/PHQ

Dated: 12/09/2018

**e-Government Procurement (e-GP)
NOTICE INVITING TENDER**

The State Police Chief, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the **SUPPLY, INSTALLATION, TESTING, TRAINING AND COMMISSIONING OF CCTV SURVEILLANCE SECURITY CAMERAS IN POLICE STATIONS AND REMOTE MONITORING IN DISTRICTS POLICE HEADQUARTERS**. The bidders should comply with the following general conditions in addition to the additional conditions of the instant tender.

General

1. The Bidder should be a reputed Original Equipment Manufacturers (OEM) or authorized dealer of OEM, who is having an Authorization Certificate from the OEM to participate in the tender floated by Kerala Police. Certificate from the OEM for sales and service, to be produced.
2. One bidder can not represent two suppliers/OEMs or quotes on their behalf in a particular tender.
3. If the OEM is directly bidding, tender from the authorised representative will not be considered for evaluation.
4. The OEM/Bidder should have a well equipped service centre functioning in India (preferable in Kerala) to cater to immediately after sales requirement;

copy of Service Centre details must be enclosed along with Tender document. (Preferably bidder should have a Service Centre in Kerala/South India).

5. A reputed vendor can participate in the tender provided the vending outfit is functioning in the market for at least 10 years.
6. The Bidder should have valid GST registration. Copy of GST registration certificate should be enclosed along with the tender.
7. The bidder should have valid PAN/Taxation Index Number. Copy of PAN/Taxation Index Number allocation letter should be enclosed along with the tender.
8. The Bidder must fulfil the following minimum qualification criteria to prove the techno-commercial competence and submit the documents in support thereof:
 - a). Valid Authorization letter from the OEM to attend this particular Tender.
 - b). Certificate of Registration/Incorporation Certificate of the Bidder.
 - c). Last 3 year's financial status of the Bidder's/P&L and Balance Sheet/audit report of last 3 years.
 - d). The bidder (authorized dealer/distributor) should have the dealership/distributionship for at least 3 (three) continuous consecutive years with the OEM.
 - e). The Bidder has to submit a Warrantee Certificate along with invoices.
 - f). In case of a propriety item, a certificate by the OEM to be attached.

1	Tender No. & Date	KPET/55/2018/ PHQ Dated 12/09/2018
2	Item	SUPPLY , INSTALLATION, TESTING, TRAINING AND COMMISSIONING OF CCTV SURVEILLANCE SECURITY CAMERAS IN POLICE STATIONS AND REMOTE MONITORING IN DISTRICTS POLICE HEADQUARTERS

3	Quantity	<p>i. CCTV SURVEILLANCE SECURITY CAMERAS IN POLICE STATIONS</p> <p>ii. REMOTE MONITORING IN DISTRICTS POLICE HEADQUARTERS</p>
4	Estimated Amount	Rs. 145 Lakhs (State Plan Scheme)
5	Tender Fees	Rs. 25,100 + Tax = Rs. 28,112/- (Rupees. Twenty eight thousand one hundred and twelve only)
6	Earnest Money Deposit	Rs. 1,45,000/- (Rupees. One Lakh forty five thousand only)
7	Specifications	Attached in tender document
8	Date and time of publication of e-Tender	13/09/2018, 10:00 AM
9	Date of submission of e-Tender	13/09/2018, 10:00 AM To 04/10/2018 , 12:00 NOON
10	Last date and time for online submission of e-tender	04/10/2018, 12:00 NOON
11	Date and time of opening of e-Tender	06/10/2018, 3:00 PM
12	Place of opening	Police Headquarters, Thiruvananthapuram
13	Date, Time and Place of Technical Evaluation	10/10/2018, 10.30 AM, Police Headquarters, Thiruvananthapuram
14	Bid Validity (Total Number of Days up to which the rates are to be firm)	180 days

15	Warranty & AMC	Three years warranty. Charges for AMC/ATS for a period of five years after warranty period should be quoted in the financial Bid.
16	Address of Tender Inviting Authority	State Police Chief, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2722566 Fax: 0471-2722566 e-mail: aig2phq.pol@kerala@gov.in Website: www.keralapolice.gov.in

9. Mode of submission of bids: - Online. All Bid documents shall be submitted only in online procedure through the e-GP website www.etenders.kerala.gov.in in their designated online covers. Details of covers are given separately. No other mode of submission shall be accepted and such tenders will be rejected outright.

10. Cover details: - No. of covers - 2. i) Technical Bid ii) Financial Bid. The AMC/ATS after warranty period also to be quoted in the Financial Bid. In the case of Foreign Equipments, the rate must be quoted in Indian Rupees. The documents to be uploaded under each online covers are specified in the website.

11. Downloading of e-Tender documents: - The tender document can be downloaded from the e-GP website www.etenders.kerala.gov.in from the date and time of publication of e-tender onwards to last date and time for online submission of e-tender. Downloading of tender documents will not be possible after the date specified above.

12. Submission of e-Tender documents: - The digitally signed tender document and other specified documents shall be submitted online through the e-GP website www.etenders.kerala.gov.in well in advance before the last date and time mentioned above. No submission shall be allowed after the last date mentioned above.

13. Payment of Tender Fees: - A non-refundable tender fee shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of payment shall be accepted. **THE TENDERS OF BIDDERS WHO DO NOT REMIT FEES THROUGH ONLINE WILL BE REJECTED OUTRIGHT.**

14. Payment of Earnest Money Deposit (EMD): - The EMD shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of remittance shall be accepted.

15. Exemption from payment of EMD: - Bidders who are registered with Store Purchase Department, Kerala or National Small Scale Industries Corporation Ltd., New Delhi (for the items tendered) are exempted from submission of EMD. Those

bidders claiming exemption shall submit valid registration certificate from the SPD, Kerala or NSSIC, New Delhi.

Tenders of bidders who do not remit EMD online or do not upload documental proof (digitally signed) for exemption of EMD will be rejected outright.

16. Withdrawal and re-submission of e-Tender: - The Bidders are at liberty to withdraw the submitted tender/documents and to submit fresh tender/documents till the last date and time of submission of the e-Tender after which withdrawal/re-submission will not be allowed.

17. Opening of e-Tenders: - The bids shall be opened online through the e-GP website www.etenders.kerala.gov.in at the Police Headquarters, Vazhuthacaud, Thiruvananthapuram on the date and time mentioned above in the presence of the Bidders/ authorized representatives who wish to attend at the above address. If the tender opening date happens to be a holiday or non-working day due to any valid reason, the tender opening process will be done on the next working day at the same time and place specified. Any change in the opening date/time/venue due to other reasons shall be informed by way of Corrigendum published in the e-GP website. The Technical Bids will be evaluated by a Technical Evaluation Committee and those that do not conform to the specifications or to the satisfaction of the Committee will be rejected. The financial bids of the Technically qualified Tenderers only will be considered for opening. The date of opening of financial Bids will be intimated to the concerned technically qualified tenderers, over phone/Fax/e-mail. This will be with in 7 to 10 days of evaluation of technical bid.

18. Technical Evaluation: - All tenderers who quote for the supply of above equipment are required to be ready for live demonstration to be held in the Conference Hall of the **Police Headquarters, TVPM on 10.10.2018 at 10.30 AM (or any other venue which will be intimated in due course). In the event of firms not able to show live demonstration, they need to convince the Technical Evaluation Committee about such inability and resort to documentary/power point presentation with original product brochures/CDs/scale models/ videos/ slide shows etc. to the utmost satisfaction of the Technical Evaluation Committee. The Technical Evaluation Committee will be consisting of the following officials.**

- | | |
|--|---------------------------------------|
| i. Inspector General of Police, Intelligence | - Chairman
(Ph. No. 0471- 2554452) |
| ii. Superintendent of Police, Security | - Member
(Ph. No. 0471-2316897) |
| iii. Superintendent of Police, Internal Security | - Member
(Ph. No.0471-2553377) |
| iv. Superintendent of Police, ICT | - Member
(Ph. No. 0471-2445965) |

- v. Superintendent of Police, Telecommunication- Member
(Ph. No. 0471-2446347)
- Vii. Commandant, SISF - Member
(Ph. No. 0471-2435080)
- viii. DC Security, SBCID - Member
(Ph. No. 0471-2314123)

(The Chairman of the Committee can co-opt any other technical member of his choice to the Committee for proper evaluation of the tendered item. Any clarification/doubts regarding the specification or related matters pertaining to the items tendered may be freely got cleared through the officers included in the above committee by contacting them in the numbers shown against their names above. The contact in Police headquarters will be Senior Superintendent, H& Mod. Section, Ph. No. 0471-2722768-1265).

19. All Bidders who participates in e-tender should produce hard copies of all relevant documents related to e tender at the time of technical evaluation, without fail.

20. Note to Bidders:

- i) Bidders have to procure legally valid Digital Certificate (Class III) as per Information Technology Act, 2000 for digitally signing their electronic bids. Bidders can procure the same from any of the license certifying authority of India. For more details, please visit the e-GP website www.etenders.kerala.gov.in.
- ii) Bidders are advised to note the Tender_Id and Tender No. & Date for future reference.
- iii) All uploaded documents should contain the signature and the office seal of the bidder/ authorized persons and should be digitally signed while uploading. Documents uploaded without digitally signing shall entitle rejection of the tender.
- iv) In the case of Foreign Equipments, the rate should be quoted in Indian Rupees. Preference will be given to those who are ready to supply the item without opening Letter of Credit. Ordinarily, no advance payment will be made for procuring the above item. In case advance payment has to be made, a clear case has to be made out by the Tenderee. However this will be only on extraordinary circumstances.

- v) For obtaining Digital Signature Certificate and help on e-tendering process, contact Kerala State IT Mission, e-Government Procurement PMU & Helpdesk, Basement floor of Pension Treasury Building, Uppalam Road, Statue, Thiruvananthapuram; Ph: 0471-2577088, 2577188; Toll free no: 18002337315; e-mail:etendershelp@kerala.gov.in; Website: www.etenders.kerala.gov.in on all government working days from 9:30 am to 5:30 pm.
- vi) The State Police chief is empowered to reject any tender without assigning any reason.
- vii) For any clarifications regarding the terms and conditions in this tender notice or the tender document, please contact Additional Asst. Inspector General of Police, , OR Senior Superintendent H Branch, Police Headquarters, Vazhuthacaud, Thiruvananthapuram – 10 on all Government working days from 10:30 am to 5:00 pm. Ph:0471-2721547 Fax: 0471-2726945
- viii) **Bidders who are using Internet Banking are requested to make online payment 72 hours in advance.**

NOTE: - BIDDERS ARE ADVISED TO GO THROUGH THE CONDITIONS IN THE NOTICE INVITING TENDER AND THE TENDER DOCUMENT CAREFULLY AND COMPLY THEM TO AVOID OUTRIGHT REJECTION OF THEIR TENDER.

For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

Sd/-
For DIRECTOR GENERAL OF POLICE &
STATE POLICE CHIEF, KERALA

(A) BOQ for Police Stations

(Supply, Installation, Testing and Commissioning of all items)

Sl.No	ITEM	QTY
1	4 Channel HD Network Video Recorder	1
2	2MP Full HD Network IR Bullet Camera	1
3	2MP Full HD Network IR Dome Camera-30Mtr	1
4	5 Port Fast Ethernet Switch with 4 POE	1
5	18.5 INCH LED Monitor	1
6	1KV UPS (1000VA)	1
7	Hard Disk 4TB	1
8	RJ 45 Modular Plug	4
9	Cabling	40m
10	3 Pole Extension Box	1
11	CCTV DVR NVR CABINET BOX- 2U	1

(A) Technical Specification

1, 4 Channel HD Network video Recorder

- UP to 4 ch@1080p Real-time Live-view & Playback
- H.264 Plus/h.264/MJPEG dual codec decoding
- Up to 6Mp resolution preview & playback
- Max 80 Mbps incoming bandwidth
- Support 1 SATA HDD s up to 6TB , 2 USB2.0
- HDMI/VGA simultaneous video output
- Support Multi-brand network cameras
- ONVIF Version 2.4 conformance
- Mobile Software: Icmob,GCMOB
- CMS Software: KVMS, KVMS Pro

2, 2MP Full HD Network IR BULLET Camera

- 1 / 2.7" 2MP PS CMOS Image Sensor
- 2.5/30 fps@2MP
- H.264 Plus and H. 264 dual- stream encoding
- DWDR, Day/Night (ICR) , 3DNR, AWB, AGC, BLC
- 2.8MM Fixed lens (3.6mm optional)
- IR Range of 30 Mtrs, IP 67, PoE
- Mobile Software : Icmob, gcmob
- CMS Software: KVMS Pro, Voptimus pro
- Approved makes: AXIS/HONEY WELL/BOSCH/PANASONIC/HIKVISION/CPPLUS OR EQUIVALENT

3, 2MP Full HD Network IR Dome Camera-30mtr

- 1 /2.9" 2 MP CMOS image sensor
- Max 25 fps@2mp
- H.265/H.265 Video Compression
- DWDR, Day/Night (ICR),AWB, AGC,BLC
- 3.6MM lens (6mm optional)
- IR Range of 30 Mtrs, IP66
- Mobile Software : cMOB- 20
- CMS Software : RVMS Pro

- Approved makes: AXIS/HONEY WELL/BOSCH/PANASONIC/HIKVISION/CPPLUS OR EQUIVALENT

4, 5 Port Fast Ethernet Switch with 4 POE

FEATURES

- 4*10/100Base-TX Ethernet ports (PoE ports) and 1*10/100Base-TXup-link port
- Support IEEE802.3 af/at standards, Max. 30 W output of single port
- 1-4 downlink ports can only communicate with uplink ports, extend transmission distance up to 250m (10Mbps)
- Power supply -Power Adaptor
- Network Standard -Support IEEE 802.3/802.3U/IEEE802.3Z/IEEE802.3X
- Packet Forwarding Rate - 0.74Mpps
- Exchange Capacity -1.0Gbps
- MAC Address List -2K
- PoE power Budget -60W
- Power Source -DC 48V-54v
- Storage Temperature - -40 c -85c

5, 18.5inch LED MONITOR

- Diagonal Viewing Size : 47.01 cm, 18.5 inches (18.5-inch wide viewable image size)
- Aspect Ratio : Widescreen (16.9)
- Panel Type Surface : TN (Twisted Nematic), anti glare with hard coat 3H
- Optimal RTResolution : 1366*768at 60 Hz
- Viewable Image Dimension (H*W) : 409.8mm*230.4mm, 16.13''*9.07''
- Contrast Ratio : 600to1 (typical)
- Backlight Technology : LED
- Brightness: 200cd/m² (typical)
- Response time : 5ms

6, 1KV UPS (1000VA)

- Off-Mode battery charge with high voltage protection
- Backup time 15 to 20 min at battery full charge condition
- Capacity : 1000 VA /600w, in bullet ZPD technology

7.HARD DISK 4TB

- Formatted capacity 4 Tb
- Form factor 3.5 inch
- Advanced format(AF) yes
- RoHS compliant yes

PERFORMANCE

- Data transfer rate (MAX)
 - Buffer to host 6gb/s
 - Host to/ from drive(sustained) 150MB/s
- Cache(MB) 64
- Rotational speed(RPM) intlliPower

Reliability/Data integrity

- Load/unload cycles 300,000
- Non-recoverable read errors per bits read <1 in 10¹⁴
- Limited warranty(years) 3

POWER MANAGEMENT

- Average power requirements(W)
 - Read/write 4.80
 - Idle 4.33
 - Standby and sleep 0.52

8.RJ 45 modular plug

- RJ 45 modular plug supports 4 twisted pairs ,meet wiring scheme
- Housing:polycarbonate,94V-2,transperent colour
- Contact terminal: phosphor bronze
- Finished :50 micro-inch gold plating, over 50 micro-inch Nickel plated on contact area
- Operating temperature-40°C to 80°C
- Cable to plug tensile strength-7.7kgs
- Terminates 24-26 AWG stranded wires, wiring skin T568A/T568

9, CABLING

➤ Cable: CAT 6 UTP Cable

Conductor : 23 AWG Solid bare Copper(4 pair)

Insulation : High Density Polyethylene

Pairs :2 Insulated conductors twisted together

Sheath :FR-PVC Insulation thickens .2 mm nominal

Cable Diameter :6.1 mm nominal

Cable wt per Box : 13.6 Kgs nominal

➤ PVC conduit

20 mm ivory ISI medium PVC pipe

4X4 PVC box for Camera

10, 3 pole Extension Box

- Built in 3 line surge protection with LED light
- Device secure warranty
- Maximum spike current :6500 amps and features a 210 joule energy rating
- Automatic overload protection with reliable single break safety switch
- Delivers power through a 2-metre, heavy duty cables

11, CCTV DVR NVR CABINET BOX -2U

- (2U) ,Made From High Quality & 6 way Processed Power Coating for Long Lasting and corrosion and Rust Proof. Pleasant viewing & space saving.
- Fan Mounting provision & come with 3 Power socket with cable. (wall mount with reversible Brackets)
- Top and Bottom cable entry provides optimal flexibility for cable management. Compatible with 19" International standards.
- Suitable for all type of DVR Box & Double DVR / Network Switch/Server Rack with Lock& key.
- Dimension (W*D*H) 400*400*150MM. Useful at Home, office, Bank, ATM , Shops& Hotel Room etc. Prompt& Easy installation.

(B) BOQ for District Police Head Quarters.

(Supply, Installation, Testing and Commissioning of all items)

SL No	ITEM	QTY
1	COMPUTER PC -i5 SERIES	1
2	SWITCH 1000MBPS 8 PORT	1
3	UPS 1 KVA	1
4	LED 43 INCH FULL HD LED TV	1
5	COMPUTER TABLE	1

(B) Technical Specification

1. COMPUTER PC -i5 SERIES

PROCESSOR : INTEL CORE I5 6400 PROCESSOR

CLOCK SPEED : 2.7 GHZ (UPTO 3.30 GHZ TURBO FREQUENCY)

CACHE : 6MB

NUMBER OF PROCESSORS : 4/4 THREAD

CHIPSET SOCKET : 1151

RAM DDR4 : 8GB

HDD : 1TB

DVD DRIVE OPTICAL DOUBLE LAYER 8X SPEED

LAN : GIGABIT ETHERNET

GRAPHICS CARD : NVIDIA GEOFORCE GTX745 4GB

HDMI : 1 HDMI 1 GPU

USB PORTS : FRONT 2 NOS (3.0) REAR USB PORT - 4 NOS (2.0, 1XUSB3.0)

RJ45 : 1 PORT

DVI : 1 DVI 1 GPU

CARD READER : 5 IN 1 SD CARD READER

AUDIO PORTS : 2 NOS(FRONT) BACK (3 NOS)

COM1 / COM2 PARALLEL PORT - 1 NOS

M.2 .SLOT FOR SSD 1 NOS

M.2..SLOT FOR WLAN 1 NOS

KEYBOARD - USD 110 KEYS

MOUSE - USB BLACK STANDARD

POWER SUPPLY 300W AC POWER SUPPLY, EUP 82

OS : WINDOWS 2010 PROFESSIONAL

Computer Makes: HP/Dell/Acer/Lenova OR EQUIVALENT

2. SWITCH 1000MBPS 8 PORT

- GIGABIT CONNECTIVITY: 8 GIGABIT LAN PORTS FOR HIGH-SPEED WIRED CONNECTIONS
- OPTIMIZES POWER USAGE FOR A PORT FOR THE LENGTH OF CABLE CONNECTED TO IT
- ENERGY EFFICIENT AND ECO-FRIENDLY
- SWITCHING CAPACITY: 16 GBPS SWITCHING FABRIC
- DATA TRANSFER RATES: UPTO 2GBPS
- CABLE DIAGNOSTICS FUNCTION NOTIFIES USERS OF CABLE CONDITIONS THROUGH PORT LEDS
- REDUCES POWER TO A PORT WHEN THERE IS NO TRAFFIC

3. UPS 1 KVA

- OUTPUT VOLTAGE: 230V AC \pm 10%, 50 HZ \pm 1%
- OUTPUT WAVEFORM: PSEUDO SINE WAVE
- INDICATIONS: VISUAL AND AUDIO
- WEIGHT (KG): 8.9
- BATTERY WARRANTY: 12 MONTHS
- IN BUILT ZPD TECHNOLOGY
- CAPACITY: 1000VA/600W
- APPLICATION: TWO COMPUTERS WITH 43 CM TFT MONITORS
- BATTERY DETAILS: 12V , 7AH - 2 NO'S
- CABINET DETAILS: ABS, BLACK
- PRODUCT WARRANTY: 24 MONTHS
- OFF-MODE BATTERY CHARGING WITH HIGH VOLTAGE PROTECTION
- BACKUP TIME : 15-20 MINUTES AT BATTERY FULL CHARGE CONDITION

4. LED 43 INCH FULL HD LED TV

RESOLUTION : 1080 FULL HD

DISPLAY TECHNOLOGY : LED

DISPLAY RESOL MAXIMUM : 1920X1080 PIXEL

SCREEN SIZE : 43INCH

CONNECTOR TYPE : USB (2 NOS)

HDMI : 2 PORTS

REMOTE - 1 NOS

STATIC WALL MOUNT : 1 NOS

5. COMPUTER TABLE

DIMENSIONS : L-47.5IN X W-23IN X H-29IN

WEIGHT : 35.3 KG

WARRANTY : 1 YEAR

PRIMARY MATERIAL : ENGINEERED WOOD

PACKAGE DETAILS : 1 BOX

KEY FEATURES

- ENGINEERED WOOD
- AMPLE STORAGE

Pre-Qualification Criteria for CCTV System

Sl No.	Parameter	Specification
1	Annual turnover of Bidder	The annual turnover of Bidder shall be minimum 3 Crs for each financial years and be a profitable company for all those years. Should audited balance sheet for those years
2	Bidder Company certifications	Bidder should have ISO 9001:2015, ISO 14001:2004 & BS OHSAS 18001 : 2007 (Documents to be attached)
3	Statutory details	Bidder shall submit the GST, PF registration, Trade License, Labour License, VAT Registration No. & IT return for last 3 Yrs indicating PAN No, under relevant Acts is mandatory (Documents to be attached)
4	Details of product	The bidder should be either manufacturer or an authorized Dealer. If the bidder is not manufacturer of products quoted, the bidder should submit Authorization letter from the Original Equipment Manufacturer (OEM) addressed to the customer for the offered NVR, Cameras, N/W Switch and Work stations. Bids without OEM Authorization letters will be rejected.
5	Similar Work Experiences of Bidder	Bidder should have executed a single IP CCTV system order having minimum 150 multiplication sites in establishments like Govt institutions, Police, Govt research labs/Airports /Oil terminals. Purchase order copies and completion certificate shall be enclosed as proof of successful completion of last 5 Years
		The bidder should have executed similar projects in India (Govt sector) having IP CCTV System of Values as follows during last 3 Years from the date of the tender. (1) One Project value worth of Rs. 1 Crore & above and (2) Three projects of each value of Rs. 75 Lakh
6	Sales and Service office	Bidder should have Own registered branch office for sales & service in Kerala State (Ownership certificate to be attached.)
7	Permanent Service engineer in Kerala State	Bidder should have Permanent Service engineer in Kerala State branch office (Documents to be attached)