Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27 Phone: 0471-2380910, 12

Ref. No. C-DIT/03/EGID/ELA-CCTV/23-24/T487

Date 13.03.2024

#### **TENDER TERMS**

#### IMPLEMENTATION OF IP BASED CCTV SURVEILLANCE SYSTEM

Sealed tenders are invited for the "Supply, Installation, Testing, Commissioning, Operationalizing and Maintenance of IP based CCTV surveillance security cameras at Grama Panchayath Office, Elappully, Palakkad". The envelopes containing the tender should bear the superscription "Tender for Supply, Installation and Maintenance of IP based CCTV surveillance security cameras at Grama Panchayath Office, Elappully, Palakkad" and should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallam, Thiruvanathapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand. Last date for receipt of tenders is 22.03.2024, 3.00 PM. Late tenders will not be accepted. The tenders will be opened at 3.30 PM on 22.03.2024 in C-DIT office in the presence of the tenderers or their authorized representatives who may be present at that time. Details of the requirements

Thiruvananthapuram 13.03.2024

Sd/-

REGISTRAR

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27 Phone: 0471-2380910, 912

Ref. No. C-DIT/03/EGID/ELA-CCTV/23-24/T487

Date 13.03.2024

#### TENDER FOR THE IMPLEMENTATION OF IP BASED CCTV SURVEILLANCE SYSTEM

#### 1. GENERAL TERMS AND CONDITIONS

- a) This Tender is invited for the" Supply, Installation, Testing, Commissioning, Operationalizing and Maintenance of IP based CCTV surveillance security cameras at Grama Panchayath Office, Elappully, Palakkad and providing centralized monitoring facility."" as per the tender specification.
- b) C-DIT reserves the right to cancel any or all tenders without assigning any reason whatsoever.

#### 2. SCOPE OF WORK

Supply, Installation, Testing, Commissioning, Operationalizing and Maintenance of IP based CCTV surveillance System at Grama Panchayath Office, Elappully, Palakkad and to setup a centralized monitoring facility at the Office for C-DIT adhering to the product specifications mentioned in the tender.

#### **REQUIREMENT**

#### **BILL OF MATERIALS (Active)**

| SI No | Item  | Quantity |
|-------|---|----------|
| 1     | 2MP IP Bullet Camera                          | 8        |
| 2     | 2MP IP Dome Camera                            | 4        |
| 3     | 2MP IP Dome Camera with built-in microphone   | 2        |
| 4     | 2MP IP Bullet Camera with built-in microphone | 1        |
| 5     | 16 Channel NVR with 2 SATA Support            | 1        |
| 6     | 10 TB SURVEILLANCE HARD DISC                  | 1        |

| 7 | 16 Port POE Switch +2 uplink port             | 1 |
|---|---|---|
| 8 | 32" Full HD Professional Display (Monitor/TV) | 1 |
| 9 | 1kVA UPS 12V 100Ah Battery                    | 1 |

## BILL OF MATERIALS (Passive)

| SI No | Item   | Quantity |
|-------|--|----------|
| 1     | Cat6 UTP Cable via PVC conduit LSZH, ISI medium ivory and UL slandered. Cabling with Trenching or overhead/Wall include pipe with sufficient accessories | 800 mtr  |
| 2     | 4 U Wall Mount Rack with PDU and other accessories.  | 1        |
| 3     | Electrical Wiring accessories-   | Lot      |

## 1. <u>SPECIFICATIONS</u>

## 1.0 Dome Camera (2MP IP Dome)

| SL<br>No | PARAMETER                 | SPECIFICATION                                      |
|----------|---------------------------|--|
| 1        | Lens Type                 | 3.6mm or better                                    |
| 2        | Image Sensor:             | 1/2.8"Progressive Scan CMOS or better              |
| 3        | IR Distance               | Up to 30 m or better                               |
| 4        | Video Compression         | H.265+/H265/H264/                                  |
| 5        | ONVIF Profile             | ONVIF profiles and Profile G compliant             |
| 6        | Certification             | UL, BIS  |
| 7`       | Warranty                  | 2 Years OEM warranty                               |
| 8        | Make/ Model<br>preference | CP Plus, Dahua, Hikvision, Honeywell or equivalent |

# 2.0 Dome Camera (2MP IP Dome - Built-in Mic)

| SL<br>No | PARAMETER                 | SPECIFICATION                                      |
|----------|---------------------------|--|
| 1        | Lens Type                 | 3.6mm or better                                    |
| 2        | Image Sensor:             | 1/2.8"Progressive Scan CMOS or better              |
| 3        | IR Distance               | Up to 30 m or better                               |
| 4        | Video Compression         | H.265+/H265/H264/                                  |
| 5        | Audio Support             | Built-in Mic                                       |
| 5        | ONVIF Profile             | ONVIF profiles and Profile G compliant             |
| 6        | Certification             | CE,UL, FCC,BIS                                     |
| 7`       | Warranty                  | 2 Years OEM warranty                               |
| 8        | Make/ Model<br>preference | CP Plus, Dahua, Hikvision, Honeywell or equivalent |

# 3.0 Bullet Camera (2MP IP Bullet)

| SL No | PARAMETER              | SPECIFICATION                                      |
|-------|------------------------|--|
| 1     | Lens Type              | 3.6mm or better                                    |
| 2     | Image Sensor:          | 1/2.8"Progressive Scan CMOS or better              |
| 3     | IR Distance            | Up to 30m or better                                |
| 4     | Video Compression      | H.265+/H265/H264/                                  |
| 5     | ONVIF Profile          | ONVIF profiles and Profile G compliant             |
| 6     | Ingress Protection     | IP67 rated for Weather resistant performance.      |
| 8     | Certification          | UL/BIS   |
| 9     | Warranty               | 2 Years OEM warranty                               |
| 10    | Make/ Model preference | CP Plus, Dahua, Hikvision, Honeywell or equivalent |

## 4.0 Bullet Camera (2MP IP Bullet- - Built-in Mic)

| SL<br>No | PARAMETER                 | SPECIFICATION                                      |
|----------|---------------------------|--|
| 1        | Lens Type                 | 3.6mm or better                                    |
| 2        | Image Sensor:             | 1/2.8"Progressive Scan CMOS or better              |
| 3        | IR Distance               | Up to 30 m or better                               |
| 4        | Video Compression         | H.265+/H265/H264/                                  |
| 5        | Audio Support             | Built-in Mic                                       |
| 5        | ONVIF Profile             | ONVIF profiles and Profile G compliant             |
| 6        | Certification             | UL/BIS   |
| 7`       | Warranty                  | 2 Years OEM warranty                               |
| 8        | Make/ Model<br>preference | CP Plus, Dahua, Hikvision, Honeywell or equivalent |

# 5.0 Network Video Recorder (16 Channel)

| SL No | PARAMETER                      | SPECIFICATION                       |
|-------|--------------------------------|-------------------------------------|
| 1     | No of Channels                 | 16 channel IP                       |
| 2     | Input Bandwidth                | 160 Mbps                            |
| 3     | Supported Video<br>Compression | H.264/H.264+/H.265/ H.265+or better |
| 4     | Storage Support                | 2 SATA Port up to 10Tb /HDD         |
| 5     | Certification                  | BIS Certificate                     |
| 6     | Warranty                       | 2 Years OEM warranty                |
| 7     | Make/Model<br>prefered         | CPPlus, Dahua, Hikvision, Honeywell |

## 6.0 PoE Switch (16 Port)

| SL<br>No | PARAMETER               | SPECIFICATION   |
|----------|-------------------------|---|
| 1        | Physical Specifications | 10/100/1000 PoE   |
| 2        | Certifications          | BIS,CE, FCC   |
| 3        | Warranty and Support    | 2 Years OEM warranty  |
| 4        | Make/ Model             | CPPlus, Dahua, Hikvision, Honeywell D-Link,<br>Netgear, Cisco or equivalent |

## 7.0 LED Display

| SL No | PARAMETER            | SPECIFICATION   |
|-------|----------------------|---|
| 1     | Size (inch/cm)       | 32" Full HD (24*7)  |
| 2     | Connector type       | min.2 HDMI  |
| 3     | Mounting accessories | With sufficient wall mounting accessories   |
| 4     | Make/Model           | LG, Panasonic, Sony, Samsung or equivalent  |
| 5     | HDMI Cable           | <ol> <li>High Speed 10.2Gbps</li> <li>HDMI Cable - CL3 Rated</li> <li>Supports 4K 30Hz, Ultra HD, 3D, 1080p,<br/>Ethernet and Audio Return (Latest<br/>Standard)</li> <li>5 Meters</li> </ol> |

## 8.0 Surveillance HDD

| SL No | PARAMETER        | SPECIFICATION                |
|-------|------------------|------------------------------|
| 1     | Capacity         | 10TB Surveillance HDD        |
| 2     | Warranty (Years) | 2 years                      |
| 3     | Make/Model       | WD Purple, Seagate , Skyhawk |

## **TECHNICAL SPECIFICATION FOR PASSIVE COMPONENTS**

#### 1.0 CAT 6 UTP Cable

| SL No | PARAMETER               | SPECIFICATION                                 |
|-------|-------------------------|---|
| 1     | Category                | CAT 6 UTP solid cable                         |
| 2     | Conductor               | 23 AWG (solid)                                |
| 3     | Conductor material      | Bare copper                                   |
| 4     | Insulation material     | HD-PE   |
| 5     | Certificates            | UL certified, IEEE standard, BIS (preferable) |
| 6     | Make/Model<br>preferred | Molex, Comm Scope, AMP or equivalent          |

## 2.0 Power Cable (1.5 sq mm)

| CINIA | PARAMETER          | SPECIFICATION                           |
|-------|--------------------|---|
| SLNo  |                    |   |
| 1     | No: of Core        | 3 core                                  |
| 2     | Size of conductor  | 1.5 sq mm                               |
| 3     | Conductor Material | Copper                                  |
| 4     | Туре               | FRLHS with ISI                          |
| 5     | Make/Model         | Finolex, Havells, Polycab or equivalent |

### 3.0 4U Wall Mountable Rack

| SL No | PARAMETER                | SPECIFICATION                            |  |
|-------|--------------------------|--|--|
| 1     | PDU                      | Power distribution unit with accessories |  |
| 2     | Make/ Model<br>preferred | CPPlus, Netrack, Unicorn or equivalent   |  |

#### 3. ELIGIBILITY CRITERIA OF TENDERER

- a) The bidder must be an OEM authorized dealer / reseller/supplier of the quoted items with prior experience in supply installation and operationalising of the same or similar equipment with an experience of having successfully completed at least three (03) similar installations (CCTV project), costing each not less than an aggregate amount Rs 5 Lakhs.
- b) The bidder should submit MAF Manufacturer's Authorization Form for the Cameras, NVR, Switches, Monitor/TV, and UPS.
- c) The bidder must have a registered office and well-equipped Service Centre (preferably at Eranakulam, Thrissur, Palakkad, Kozhikode) functioning in Kerala and should have been in business for the last 3 years.
- d) The Bidder should have a minimum annual turnover of 25 lakhs (Twenty Five Lakhs) for the last 3 years.
- e) Bidder should be a registered company or registered business firm as per Indian Law, doing similar business.
- f) The bidder must have a currently valid GST registration certificate and PAN number.
- g) An undertaking to the effect that the bidder has not been blacklisted by any of the department/organizations of the Govt. of India/State Govt /PSUs

#### 4. SPECIAL CONDITIONS FOR THIS WORK

- 1. It is mandatory for the bidder to deploy qualified professionals to install, commission & maintain the equipment, as defined under scope of work.
- The successful bidder shall install CCTV surveillance systems as per the specifications prescribed
  in the tender document and should install the cameras in the Specified locations at the campus
  of Grama Panchayath Office, Elappully, Palakkad providing monitoring facility at their office,
- 3. The successful bidder shall supply all equipment/ materials required to execute the work in respective sites as per the Bill of Material quoted.
- 4. The bidder shall ensure the CCTV camera will cover the various sections in the Grama panchayath offices and its premises.
- 5. The locations provided are indicative and may change. The bidder has to finalize the location of the cameras in consultation with the C-DIT officials before installation.
- 6. All the Cameras have to be cabled by UTP CAT-6 Cable and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.

- 7. In case of connecting multiple buildings, It is the responsibility of the bidder to make trenches as per the specification for placing the cables and thereafter to fill them properly.
- 8. The bidder shall set up a Monitoring facility at the office **Grama Panchayath Office**, **Elappully**, **Palakkad**. The bidder shall do all civil and electrical works for setting up the of CCTV solution.
- 9. The Successful bidder shall be responsible for making the surveillance system in full functional condition after the Installation.
- 10. The Successful bidder should provide training to the concerned officials regarding the working principles of the surveillance system installed.
- 11. Bidder shall invariably be accompanied by <u>manufacturer's catalogues and leaflets giving full specifications</u>. Technical particulars and other details of the items offered, 'brand make' and complete specification should be mentioned in the tender. In the absence of full details and technical specification the tenders for the items will be rejected
- 12. The bidder is responsible to perform the highest quality of workmanship, including ensuring aesthetics while executing this project. The bidder should ensure that the cables and equipment are placed with proper routing of cables keeping the aesthetics of the site environment intact.
- 13. The Camera Video feeds have to be transmitted 24X7 and able to view in the Monitor provided by the bidder and also (through Mobile/ Tab if required).
- 14. The CCTV system installation includes the installation of indoor and outdoor cameras for proper surveillance coverage at each location. The camera locations are mentioned in this document, however, the locations at the time of installation may change based on the site requirement.
- 15. The technical specifications mentioned in this document are the minimum suggestive specifications. The vendor not meeting these minimum suggestive technical specifications are liable to be rejected.
- 16. Bidder should survey and evaluate the site conditions, if necessary, before submitting offers and are responsible to supply and install the surveillance system including all necessary cabling, conduits, wiring and other related accessories.
- 17. The bidder shall ensure two years comprehensive warranty as per this document to all equipment, parts supplied including all works associated with the project from the date of successful User Acceptance Test.
- 18. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.
- 19. The bidder should handover all software products license keys/ softwares/ installation files including user manual and all necessary documentation to C-DIT.

- 20. No advance payment will be made against supply and Installations. Tenders demanding advance payment and clearance through banks will not be accepted.
- 21. The undersigned reserve himself the rights of accepting the whole or any part of the tender and the bidder shall be bound to supply the accepted item at the rates quoted. C-DIT reserve the right to split the quantity of items to be supplied among one or more bidders, at the sole discretion
- 22. The rate quoted by the bidder shall be inclusive of tax, transportation charges and installation charges at site. Rates quoted by the bidder shall be valid for a period of six months from the date of opening of the tender.
- 23. There is a separate price bid form attached along with this tender. The supplier shall submit the price offers in their own paper.
- 24. The rate quoted for material shall be firm and no enhancement will be allowed under any circumstances
- 25. The bidder shall fill in the compliance statement attached along with the tender as an additional document.
- 26. EMD: The bidder shall submit EMD of Rs. 3,000/- (Rupees Three Thousand only) along with the tender in the form of Demand draft drawn in favour of The Registrar, C-DIT, payable at Thiruvananthapuram.
- 27. The Supplier shall provide on-site comprehensive OEM warranty of **two years** for the products from the date of supply.
- 28. If the bidder furnishes wrong and/or misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.
- 29. After Sales Service: The bidder should have after sales service centre at Ernakulam, Thrissur, Palakkad or Kozhikode. Complaints should be attended properly, maximum within 24 hrs. The service should be provided directly by bidder's trained personal.
- 30. All items offered shall conform in all respects to the relevant Indian standard Specification with up-to-date amendments wherever applicable.
- 31. C-DIT reserve the right to cancel any or all tenders without assigning any reasons whatsoever.
- 32. <u>PAYMENT TERMS:</u> 100% payment after successful supply & installation of the Equipment and against submission of invoice.
- 33. Authority: The authority for the acceptance of the tenders rests exclusively with the C-DIT. C-DIT does not undertake to accept the lowest or any particular tender or to assign any reason whatsoever for the rejection of any tender.

34. Agreement: The Successful bidder within 7 days of getting confirmed work order has to enter an agreement with C-DIT in Rs.200 worth non judicial stamp paper, to ensure warranty and after sales

support during the warranty period.

35. The bidders, those who claim Bid Security/EMD Exemptions should furnish the Bid Security

Declaration form on a stamp paper worth ₹ 200/-, in the format attached as 'Annexure I', and

should upload along with the tender. The original/hard copy shall be sent by registered post

addressed to The Registrar, C-DIT, Chithranjali Hills, Thiruvallam, Thiruvananthapuram- 695027.

The bids which are not accompanied with the Bid Security Declaration form, shall be considered

in complete and rejected summarily without any further intimation.

36. The last date for submission of tender 22.03.2024 at 3.00 PM

The tender opening date 22.03.2024 at 3.30 PM

37. At any time prior to the deadline for submission of tenders, the C-DIT may, for any reason deemed

fit by it, modify/amend the tender documents by issuing suitable amendment(s)/ corrigendum's

to it. Corrigendum to this tender shall be published in the site www.cdit.org. Prospective bidders

are advised to regularly visit the website: www.cdit.org to keep track of corrigendum, if any.

38. In case of doubt:

If the bidder has any doubt on technical specifications or on terms & conditions stipulated above,

please contact Shri. Vinod. N, HoD (Surveillance Solution Dept) in Mobile 9895788233.

Sd/

REGISTRAR, C-DIT

Dated 13.03.2024

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27 Phone: 0471-2380910, 912

Ref. No. C-DIT/03/EGID/ELA-CCTV/23-24/T487

Date 13.03.2024

## **COMPLIANCE STATEMENT**

Compliance Statement of Technical specification required for the below Equipment. Technical compliance of every component should be marked and in case of any deviation, it shall be entered in the "Remarks" column. The bidder must furnish the make and model of the product quoted without fail.

#### 1.0 Dome Camera (2MP IP Dome)

| SL<br>No | PARAMETER              | SPECIFICATION   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|------------------------|---|------------------------|-----------------------|
| 1        | Lens Type              | 3.6mm or better                                       |                        |                       |
| 2        | Image Sensor:          | 1/2.8"Progressive Scan CMOS or better                 |                        |                       |
| 3        | IR Distance            | Up to 30 m or better                                  |                        |                       |
| 4        | Video Compression      | H.265+/H265/H264/                                     |                        |                       |
| 5        | ONVIF Profile          | ONVIF profiles and Profile G compliant                |                        |                       |
| 6        | Certification          | CE,UL, FCC,BIS  |                        |                       |
| 7`       | Warranty               | 2 Years OEM warranty                                  |                        |                       |
| 8        | Make/ Model preference | CP Plus, Dahua, Hikvision,<br>Honeywell or equivalent |                        |                       |

## 2.0 Dome Camera (2MP IP Dome-Built-in Mic)

| SL<br>No | PARAMETER              | SPECIFICATION   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|------------------------|---|------------------------|-----------------------|
| 1        | Lens Type              | 3.6mm or better                                       |                        |                       |
| 2        | Image Sensor:          | 1/2.8"Progressive Scan CMOS or better                 |                        |                       |
| 3        | IR Distance            | Up to 30 m or better                                  |                        |                       |
| 4        | Video Compression      | H.265+/H265/H264/                                     |                        |                       |
| 5        | Audio Support          | Built-in Mic  |                        |                       |
| 5        | ONVIF Profile          | ONVIF profiles and Profile G compliant                |                        |                       |
| 6        | Certification          | CE,UL, FCC,BIS  |                        |                       |
| 7`       | Warranty               | 2 Years OEM warranty                                  |                        |                       |
| 8        | Make/ Model preference | CP Plus, Dahua, Hikvision,<br>Honeywell or equivalent |                        |                       |

## 3.0 Bullet Camera (2MP IP Bullet)

| SL<br>No | PARAMETER                 | SPECIFICATION   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|---------------------------|---|------------------------|-----------------------|
| 1        | Lens Type                 | 3.6mm or better                                       |                        |                       |
| 2        | Image Sensor:             | 1/2.8"Progressive Scan<br>CMOS or better              |                        |                       |
| 3        | IR Distance               | Up to 30m or better                                   |                        |                       |
| 4        | Video Compression         | H.265+/H265/H264/                                     |                        |                       |
| 5        | ONVIF Profile             | ONVIF profiles and Profile G compliant                |                        |                       |
| 6        | Ingress Protection        | IP67 rated for Weather resistant performance.         |                        |                       |
| 8        | Certification             | BIS   |                        |                       |
| 9        | Warranty                  | 2 Years OEM warranty                                  |                        |                       |
| 10       | Make/ Model<br>preference | CP Plus, Dahua, Hikvision,<br>Honeywell or equivalent |                        |                       |

# 4.0 Dome Camera (2MP IP Bullet- Built-in Mic)

| SL<br>No | PARAMETER              | SPECIFICATION   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|------------------------|---|------------------------|-----------------------|
| 1        | Lens Type              | 3.6mm or better                                       |                        |                       |
| 2        | Image Sensor:          | 1/2.8"Progressive Scan CMOS or better                 |                        |                       |
| 3        | IR Distance            | Up to 30 m or better                                  |                        |                       |
| 4        | Video Compression      | H.265+/H265/H264/                                     |                        |                       |
| 5        | Audio Support          | Built-in Mic  |                        |                       |
| 5        | ONVIF Profile          | ONVIF profiles and Profile G compliant                |                        |                       |
| 6        | Certification          | CE,UL, FCC,BIS  |                        |                       |
| 7`       | Warranty               | 2 Years OEM warranty                                  |                        |                       |
| 8        | Make/ Model preference | CP Plus, Dahua, Hikvision,<br>Honeywell or equivalent |                        |                       |

## 5.0 Network Video Recorder (16 Channel)

| SL<br>No | PARAMETER                      | SPECIFICATION                          | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|--------------------------------|--|------------------------|-----------------------|
| 1        | No of Channels                 | 16 channel IP                          |                        |                       |
| 2        | Input Bandwidth                | 160 Mbps                               |                        |                       |
| 3        | Supported Video<br>Compression | H.264/H.264+/H.265/<br>H.265+or better |                        |                       |
| 4        | Storage Support                | 2 SATA Port up to 10Tb<br>/HDD         |                        |                       |
| 5        | Certification                  | BIS Certificate                        |                        |                       |
| 6        | Warranty                       | 2 Years OEM warranty                   |                        |                       |
| 7        | Make/Model preferred           | CPPlus, Dahua, Hikvision,<br>Honeywell |                        |                       |

## 6.0 PoE Switch (16 Port + 2 Port uplink)

| SL<br>No | PARAMETER               | SPECIFICATION  | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|-------------------------|--|------------------------|-----------------------|
| 1        | Physical Specifications | 10/100/1000 PoE  |                        |                       |
| 2        | Certifications          | BIS,CE, FCC  |                        |                       |
| 3        | Warranty and Support    | 2 Years OEM warranty   |                        |                       |
| 4        | Make/ Model             | CPPlus, Dahua, Hikvision,<br>Honeywell D-Link, Netgear,<br>Cisco or equivalent |                        |                       |

## 7.0 Monitoring Display (Monitor/TV)

| SL<br>No | PARAMETER            | SPECIFICATION   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|----------------------|---|------------------------|-----------------------|
| 1        | Size (inch/cm)       | 32" Full HD (24*7)  |                        |                       |
| 2        | Connector type       | min.2 HDMI  |                        |                       |
| 3        | Mounting accessories | With sufficient wall mounting accessories   |                        |                       |
| 4        | Make/Model           | MI, LG, Panasonic, Sony ,<br>Samsung or equivalent  |                        |                       |
| 5        | HDMI Cable           | <ol> <li>High Speed 10.2Gbps</li> <li>HDMI Cable - CL3         Rated</li> <li>Supports 4K 30Hz,         Ultra HD, 3D, 1080p,         Ethernet and Audio         Return (Latest         Standard)</li> <li>5 Meters</li> </ol> |                        |                       |

### 8.0 Surveillance HDD

| SL No | PARAMETER            | SPECIFICATION                   | Compliance<br>Yes / No | Remarks/<br>Deviation |
|-------|----------------------|---------------------------------|------------------------|-----------------------|
| 1     | Capacity             | 10TB Surveillance HDD           |                        |                       |
| 2     | Warranty (Years)     | 2 years                         |                        |                       |
| 3     | Make/Model preferred | WD Purple, Seagate ,<br>Skyhawk |                        |                       |

### **PASSIVE COMPONENTS**

### 1.0 CAT 6 UTP Cable

| SL<br>No | PARAMETER            | SPECIFICATION                                    | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|----------------------|--|------------------------|-----------------------|
| 1        | Category             | CAT 6 UTP solid cable                            |                        |                       |
| 2        | Conductor            | 23 AWG (solid)                                   |                        |                       |
| 3        | Conductor material   | Bare copper                                      |                        |                       |
| 4        | Insulation material  | HD-PE  |                        |                       |
| 5        | Certificates         | UL certified, IEEE standard,<br>BIS (preferable) |                        |                       |
| 6        | Make/Model preferred | Molex, Comm Scope, AMP or equivalent             |                        |                       |

## 2.0 Power Cable (1.5 sq mm)

| SLN<br>o | PARAMETER            | SPECIFICATION                           | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|----------------------|---|------------------------|-----------------------|
| 1        | No: of Core          | 3 core                                  |                        |                       |
| 2        | Size of conductor    | 1.5 sq mm                               |                        |                       |
| 3        | Conductor Material   | Copper                                  |                        |                       |
| 4        | Туре                 | FRLHS with ISI                          |                        |                       |
| 5        | Make/Model preferred | Finolex, Havells, Polycab or equivalent |                        |                       |

### 3.0 4U Wall Mountable Rack

| SL<br>No | PARAMETER             | SPECIFICATION                            | Compliance<br>Yes / No | Remarks/<br>Deviation |
|----------|-----------------------|--|------------------------|-----------------------|
| 1        | PDU                   | Power distribution unit with accessories |                        |                       |
| 2        | Make/ Model preferred | CPPlus, Netrack, Unicorn or equivalent   |                        |                       |

Date Seal

Name and Signature of Bidder



Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27 Phone: 0471-2380910, 912

Ref. No. C-DIT/03/EGID/ELA-CCTV/23-24/T487

Date 13.03.2024

## **PRICE BID FORM**

The bidder shall submit their price offers in the prescribed form as given below. The rate should be quoted for the unit shown in the list and tenders which do not indicate this essential information will not be considered.

| SI<br>No | Items  | Make &<br>Model No. | Qty   | Unit price | Total<br>(Inclusive of<br>taxes) |
|----------|--|---------------------|-------|------------|----------------------------------|
| 1        | Supply and Installation of <b>2MP IP Dome –</b> 1/2.8" or Higher, Progressive CMOS Sensor, lens: 3.6mm, IR Range 30 mtr, IP 67, ONVIF Compliance. BIS/UL Certified                                     |                     | 4 Nos |            |                                  |
|          | Supply and Installation of <b>2MP IP Dome</b> - 1/2.8 " Progressive CMOS Sensor, lens : 2.8/3.6mm fixed lens, Support <b>Built -in-Mic</b> , IR Range 30 mtr, , ONVIF Compliance. UL/BIS certified     |                     | 1 Nos |            |                                  |
| 3        | Supply and Installation of <b>2MP IP Bullet –</b> 1/2.8" or Higher , Progressive CMOS Sensor, lens :3.6mm, IR Range 30 mtr, IP 67, ONVIF Compliance. BIS/UL Certified                                  |                     | 8Nos  |            |                                  |
|          | Supply and Installation of <b>2MP IP Bullet</b> - 1/2.8 " Progressive CMOS Sensor, lens : 2.8/3.6mm fixed lens, Support <b>Built -in-Mic</b> , IR Range 30 mtr, , ONVIF Compliance. UL/BIS certified   |                     | 1 No  |            |                                  |
|          | Supply and Installation of <b>16 Channel NVR</b> with 2 SATA HDD up to 8 TB or Higher each, Min. Incoming Band width 160 Mbps, H.265+,H.265, H.264+ or Higher, ONVIF Compliance. UL/ BIS Certification |                     | 1 No  |            |                                  |
| 5        | Supply and Installation of <b>16 Port POE</b> Switch + 2 port uplink 10/100/1000  UL/BIS Certification   |                     | 1 No  |            |                                  |

| 6  | Supply and Installation of 10 TB<br>SURVEILLANCE HARD DISC<br>(Preferable Seagate, Skyhawk, WD Purple)  | 11  | No  |
|----|---|-----|-----|
| 7  | Supply and Installation of <b>32" LED TV</b> (Preferable LG, Samsung, Panasonic)  | 1 1 | No  |
| 8  | Supply and Installation of <b>4 U Rack</b> PDU and other accessories (Preferable Netrack,MRS,Rackspace,Unicorn)   |     | No  |
| 9  | Supply and Installation of Cat6 UTP Cable-23 AWG,LSZH UL Certified cable with Conduit (ISI, Ivory, Medium). Cabling with Trenching or overhead/Wall include pipe with sufficient accessories (Preferable Molex/Honeywell/CommScope) | 800 | mtr |
| 10 | Supply and Installation of I KVA UPS with 2 nos of 12 Volt in built Battery Support CCTV System   | 11  | No  |
| 11 | Wireless mouse  | 11  | No  |
| 12 | Power cable (Appr 10mtr)  | 11  | No  |
|    | TOTAL AMOUNT  |     |     |

| Bidder Name: |  |  |
|--------------|--|--|
| Address:     |  |  |
|              |  |  |
|              |  |  |
| Mobile No:   |  |  |
| e-mail ld:   |  |  |

Signature

Date Office Seal

#### <u>ANNEXURE – I</u>

#### **BID SECURING DECLERATION**

Documents relating to Bid Security

(To be submitted as part of Proposal, along with supporting documents like UDYAM Registration Certificate)

A Bid Securing Declaration in lieu of bid security in the following format; Bidders exempted from submission of bid security must submit this declaration

| Bidder's Firm Name                   |                         |               |  |  |
|--------------------------------------|-------------------------|---------------|--|--|
| (Address and contact details)        |                         |               |  |  |
| Bidder's Referenc                    | ee No                   | Date          |  |  |
| PAN No                               | GST No                  | Udyam Reg. No |  |  |
| То                                   |                         |               |  |  |
| The Registrar                        |                         |               |  |  |
|                                      | pment of Imaging Techno | ology(C-DIT)  |  |  |
| Chithranjali Hills                   |                         |               |  |  |
| Thiruvananthapuram- 695027           |                         |               |  |  |
| Tender Ref; No: _                    |                         |               |  |  |
| Tender Title: Proposal for providing |                         |               |  |  |
| Sin / Madam                          |                         |               |  |  |
| Sir/ Madam                           |                         |               |  |  |

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, the Proposal must be supported by a Bid Securing Declaration In lieu of Bid Security.

We unconditionally accept the conditions of this Bid Securing Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender of C-DIT for 2 years from the date of opening of this Proposal if we breach out obligation(s) under the Tender conditions if we:

- **2.** Withdraw/ amend/ impair/ derogate, in any respect, from our proposal, within the validity of proposal; or
- **3.** being notified within the validity of Proposal of the acceptance of our proposal by the C-DIT

- refused to or failed to produce the original documents for scrutiny or the required performance security within the stipulated time under the conditions of the Tender Document
- b) Fail or refuse to accept the Vendor Selection Letter
- c) Fail to effect the supply/ installations/ services or works as per the supply order/ purchase order/ work order with in the time scheduled and as per the specification therein in accordance with the RFB/ Bid/ Tender Notification and our proposal/ offer.

| We know that the Bid Securing | g Declaration shal | l expire if we are | e not selected a | s Vendor |
|-------------------------------|--------------------|--------------------|------------------|----------|
| for providing                 |                    |                    | (name of work    | ) upon:  |

- 1) receipt by us of your notification:
  - a) of Cancellation of the entire RFP process or Rejection of all Proposals or
  - b) of the name of the successful bidder.
- 2) Sixty days after the expiration of the Validity of Proposal or any subsequent extension to it.

We understand that in case of failure from our end in completing the supply/installation/ services or works to the satisfaction of C-DIT in accordance with the terms and conditions and rate and taxes agreed upon by us as per the tender and bid offer, C-DIT will be at the liability to get the supply/ installation / services/works completed by any other means at their sole discretion, and to recover the additional cost, expenses, including damages and interests thereon if any from the payments due to us by way of performance security, bid security or payments under any contract, or from the assets or properties belonging to us by way of revenue recovery or such measures at it deem fit.

|             | Signature of bidder                |
|-------------|------------------------------------|
|             | Designation                        |
|             | Name                               |
|             | Duly authorized to sign the Tender |
|             | Date                               |
| Office Seal | Place                              |

Note: The above declaration, duly signed and sealed by the authorized signatory of the entity on its letterhead, should be uploaded along with proposal.