CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/11/CCTV-Kadapra/2026-27/T902 Date: 17.11.2026

TENDER NOTICE

SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATIONALIZATION AND MAINTENANCE OF IP-BASED CCTV SURVEILLANCE SYSTEM AT KADAPRA GRAMA PANCHAYATH, PATHANAMTHITTA DISTRICT.

Sealed tenders are invited for **Supply, Installation, Testing, Commissioning, Operationalization_And_Maintenance_Of_Ip-Based CCTV Surveillance System at Kadapra Grama Panchayath, Pathanamthitta.** The envelopes containing the tender should bear the superscription *"Tender for the* **Supply, Installation, Testing, Commissioning, Operationalization And Maintenance Of Ip-Based CCTV Surveillance System At Kadapra Grama Panchayath, Pathanamthitta** *" 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 **25.11.2026, 03.00 PM.** Late tenders will not be accepted. The tenders will be opened at **03.30 PM on the same day 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 and the conditions governing the supply can be downloaded from our website www.cdit.org

Thiruvananthapuram SD/-

17.11.2026 REGISTRAR

CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/10/CCTV-Kadapra /2026-27/T902 Date: 17.11.2026

TENDER TERMS

SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATIONALIZATION AND MAINTENANCE OF IP-BASED CCTV SURVEILLANCE SYSTEM AT KADAPRA GRAMA PANCHAYATH, PATHANAMTHITTA DISTRICT.

1. GENERAL TERMS AND CONDITIONS

a) This Tender is invited for the **Supply, Installation, Testing, Commissioning, Operationalization And Maintenance Of Ip-Based CCTV Surveillance System At Kadapra Grama Panchayath, Pathanamthitta** one of the projects undertaken by C-DIT.

b) C-DIT reserves the right to cancel any or all tenders without assigning any reason whatsoever.

c) The intending tenderer can visit the office location during office hours before submitting the tender.

2. ELIGIBILITY CRITERIA OF BIDDER

a) Bidder should be a registered company or registered business firm as per Indian Law, doing similar business.

b) The bidder should have a registered office in Kerala (Documentary Evidence should be attached) and a well-equipped authorized service Centre.

c) Bidders should have valid GST registration.

d) Bidders should have PAN allotted to him by IT Department.

e) Bidder shall not be blacklisted by any of the department/organizations of the Govt. of India/State Govt/PSUs. (The **bidder shall submit a self-declaration on the bidder's letterhead.**)

f) To qualify for award of the work, the intending tenderer must have an experience in successfully completed at least three orders of similar nature having contract value not less than 1 lakh each during last 2 years. **(Documents should be attached)**

3. SCOPE OF WORK

To identify integrators/contractors for the supply, installation, testing, commissioning, operationalization and maintenance of IP-based CCTV Surveillance System at Kadapra Grama Panchayath, Pathanamthitta District.

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.
2. The successful bidder shall provide a warranty of 3 years for all active/passive items supplied .The warranty shall cover manufacturing defects, performance issues, and replacement of faulty components at no additional cost.
3. The bidder shall also provide a warranty of workmanship for all CCTV installation and commissioning work for a period of 3 years.
4. During the warranty period, the bidder shall ensure timely maintenance and support services, including preventive and corrective maintenance. If any item or service is found defective during the warranty period, the bidder shall repair or replace it without any additional charges.
5. The successful bidder shall install CCTV surveillance systems as per the specifications prescribed in the tender document and should install the cameras in the Kuttoor Grama Panchayath.
6. The bidder should submit the MAF - Manufacturer's Authorization Form for cameras .
7. The offered CCTV cameras must be**: STQC approved by Standardisation Testing and Quality Certification (MeitY, Govt. of India)**and approved by Govt. of India.
8. Technical and other details of the items offered along with make &model and complete specification should also be mentioned in the tender**.**

9. The tenders shall invariably be accompanied by manufacturers catalogues and leaflets giving full technical specifications.
10. Bidder should not quote discontinued Brands or Models or for which OEM support is not available.
11. The successful bidder shall supply all equipment/ materials required to execute the work in the respective site as per the Bill of Material quoted.
12. All the Cameras have to be cabled by UTP CAT-6 Cable in the Buildings and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.
13. The bidder shall set up a Monitoring facility at the Grama Panchayath office, Kadapra Grama Panchyath.
14. The bidder shall do all civil and electrical works for setting up of the CCTV solution.
15. 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.
16. 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).
17. The CCTV system installation includes the installation of indoor and outdoor cameras for proper surveillance coverage at each location.
18. 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.
19. 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.
20. The bidder shall ensure three 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.
21. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.
22. The bidder shall handover all software products license keys/ passwords/ softwares/ installation files including user manual and all necessary documentation to C-DIT.

5. Proposed Locations and Solutions

The following locations were identified with the approval of the Kadapra Grama panchayath for the installation of CCTV Cameras.

1.MCF

- Two 4MP Fixed IP cameras should be installed to view the MCF premises.
- One 4 Port PoE switch should be installed to distribute the internet connection.

2.CCTV cameras should be installed at public places as suggested by the Panchayath.

The Monitoring centre should be setup at Grama Panchayath Office ,Kadapra.

6. SPECIFICATIONS

List of Active Components is attached as ANNEXURE-I, Passive Components attached as ANNEXURE-II , Technical specification of activities components attached as Annexure III and, Technical specification of passive components attached as ANNEXURE-IV.

Annexure I

List of Active Components

Sl No	Item requirement	Quantity
1	4 MP IP Fixed Camera	2 nos
2	4 MP IP Varifocal Camera	6 nos
3	4 PORT POE Switch	4 nos
4	32 Channel AI NVR	1 no
5	8 TB Surveillance HDD	1 no
6	32 inch HD Professional LED TV	1 no
7	128 GB Memory Card	8 nos

Annexure II

List of Passive Components

Sl No	Item requirement	Quantity
1	CAT6 UTP Cable with Conduits	450 Mtr
2	3 inch C Class GI Pipe with 5 meter length	3 nos
3	Outdoor Rack (PVC) POE box	4 Nos
4	Wireless Mouse	1 no
5	Other Electrical accessories	50 mtr

Annexure III

TECHNICAL SPECIFICATIONS OF ACTIVE COMPONENTS

1. 4MP IP Fixed Dome/Bullet camera .

1.	Image Sensor	1/2.9" or higher 4MP PS CMOS Image Sensor
2.	Lens	3.6mm fixed Lens
3.	IR	IR Range of 50 Mtr or better
4.	WDR	120dB
5.	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher
6.	Interoperability standard	ONVIF
7.	Starlight Technology	Enabled
8.	Micro SD card	Yes
9.	Protection Grade	IP67
10.	Certification	STQC, BIS, CE , FCC
11.	OEM Warranty	3Year onsite.

2. 4MP IP Varifocal camera

1	Image Sensor	1/2.7” or higher 2MP PS CMOS Image Sensor
2	Lens	2.7 -13.5 mm motorized
3	IR	60m or better
4	WDR	120dB
5	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher
6	Interoperability standard	ONVIF
7	Starlight Technology	Enabled
8	Micro SD card	512 GB or higher
9	Protection Grade	IP67
10	Certification	STQC , BIS, CE , FCC
11	OEM Warranty	3 Year

3. 4-PORT POE Switch

1.	Port	6
2.	PoE Ports	4, 1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port Transmission distance:0~100m
3.	Uplink Ports	2, 1000Mbps; RJ45 ports; Transmission Distance:
4.	PoE Standard	IEEE802.3af, IEEE802.3at
5.	Transmission Distance	0-100m/100 Mbps
6.	Switch Capacity	12 Gbps Full duplex
7.	Warranty	3Year onsite
8.	Preferred Brand	CP Plus/Netgear/Cisco

4. 32 channel AI NVR

1	IP Camera Input	32 channels
2	Video Output	2 HDMI/ 2 VGA simultaneous video output
3	Compression	H.265; H.265+; H.264+; H.264; MJPEG or higher

5	ANPR by Camera (Number of Channels support)	All Channels (8 Targets/s)
6	Hard Disk	Support 4 SATA HDDs up to 16TB Each
7	AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus
8	Resolution	32 MP, 24 MP, 16 MP, 12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 2MP, 720p, 960p, D1, CIF, QCIF
9	Network Bandwidth	AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing
10	Motor Vehicle Attributes	License plate, Plate colour, Vehicle body, Vehicle model, Vehicle logo, Calling, Seatbelt, Vehicle Interior, Vehicle registration location
11	Non-motor Vehicle Attributes	Vehicle model, Vehicle colour, Number of persons, Helmet
12	License Plate Database Capacity	1.Create up to 20,000 plate numbers. 2. Blocklist and allow list
13	Certification	BIS, CE, FCC, STQC Compatible
14	Interoperability standard	Onvif
15	OEM Warranty	3 Year onsite OEM

5. Surveillance HDD 8TB

1.	Form Factor	3.5inch
2.	Capacity	8TB
3.	Recording Technology	CMR
4.	Cache (MB)	64/256 /128-256 or higher
5.	Spindle Speed (RPM)	~5400-7200 or higher
6.	Interface	SATA 6Gb/s
7.	OEM Warranty	3 Year onsite
8.	Preferred brand	WD purple/Seagate Skyhawk

6. 32-inch HD Professional LED TV

1.	Item	Professional LED TV
2.	Size	32"
3.	Resolution Standard	HD Ready (720p)
4.	Inputs	HDMI x 2, RF Input x 1, USB x 1, RJ45 x 1
5.	HDR Compatability	HDR.HDR10 Pro/HDR HLG
6.	HDMI Cord	1nos of 5-meter/10-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D, 1080p, (Preferred brand: Honeywell/Belkin/Aurum Cables)
7.	No. of USB	1
8.	No. of speakers	2
9.	WiFi	available
10.	Mounting accessories	With sufficient wall mounting accessories suitable for site installation
11.	Working hours	16 ×7 or higher
12.	BEE star rating	2 star or higher
13.	Warranty	3 years onsite OEM
14.	Preferred brand	Samsung/LG/Sony/Panasonic

7. Memory Card(128 GB)

1.	Capacity	128 GB
2.	Card type	Micro SDXC
3.	Read speed	70 MB/s to 100 MB/s
4.	Write speed	Minimum 30MB/s
5.	Warranty	3 years

6.	Approved brand	CP Plus/Samsung/SanDisk

Annexure IV

TECHNICAL SPECIFICATIONS OF PASSIVE COMPONENTS

Sl No	Items	Specification
1.	CAT6 UTP Cable	Category : 6 UTP Solid cable LSZH Conductor : 23 AWG (Solid) Conductor Meta : Bare Copper Insulation Material : HD-PE Pairs :2 Insulated conductors twisted together Sheath : LSZH Cable Diameter : 6.1 mm nominal Certification: UL,ETL **Make:Honeywell,3C3,Panduit, Simon,Systimax**
2.	PVC Conduits	PVC outer jacket for a CAT6 UTP/STP cable can have an outer diameter of 6.2 mm (ivory/white) ,ISI mark **Make : Espee, Balco ,Precision, Trigger**
3.	Pipe Fittings	As per PWD standard
4.	3 inch C Class GI Pipe with 5 meter length	Pole size 75mm GI pipe C class ,ISI standard ,6 m height fixed in RCC 1:1.5:3 mix 45 cm*45cm*100cm depth, Mount bracket for camera fixing. **Make: Tata, Apollo, JSW, Jindal**
5.	Outdoor Rack (PVC) POE box	Water ,shock and dust proof, sufficient lock and PDU suitable for all accessories ,storage in pole for switch, modem , media converter and UPS
6.	Wireless Mouse	Wireless Technology. Advanced 2.4GHz Operating Distance -32 ft (10 m) **Make: Logitech, Dell, Acer**
7.	Electrical Wiring including Conduits, Wires as PWD Standard	Using 1.5 sqmm 3 core ISI FRLS cable **Make: RR Kabel, Havells, Finolex, Polycab**

OTHER TERMS AND CONDITIONS

1. The bidders will be responsible for effecting supply and installation to the entire satisfaction of the undersigned or his authorized representatives.

2. The undersigned does not bind himself to accept the lowest tender and 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.

3. **BOQ should be submitted in your Letter Head.**

4. **Bidder shall submit Compliance sheet attached along with this tender.**

5. No advance payment will be made against supplies.

6. **The rate quoted by the bidder shall be inclusive of all charges**. Rates quoted by the bidder shall be valid for a period of six months from the date of opening of the tender.

7. **The rate should be quoted for the unit shown in the list including GST and tenders which do not indicate this essential information will not be considered.**

8. **The bidders shall submit the rate in "FORM A" in a sealed envelope.**

9. The rate quoted for the materials/services shall be firm and no enhancement will be allowed under any circumstances.

10. C-DIT reserve the right to cancel any or all tenders without assigning any reasons whatsoever.

11. **Performance Bank Guarantee** (PBG)/Security Deposit: The Bidder, in the event of an order, should furnish a bank Guarantee from an Indian Nationalized Bank at no extra cost in a Performa prescribed by C-DIT for an amount equivalent to 5% (Five percent) of the value of the contract. The PBG shall be valid for period of 36 months from the date of commissioning of the work.

12. **PAYMENT TERMS:** 100% payment against successful Supply, installation & commissioning of the Equipment against submission of invoice and Performance Bank Guarantee.

13. **AFTER SALES SERVICE**

- Service support personnel should be available at any time on demand. The bidder has to rectify the fault within 24 hours of service calls.

- The Telephone Number and address of the designated persons should be

submitted for reporting faults during the warranty period

14. **Agreement:** The Successful bidder has to enter an agreement with C-DIT in Rs.200 worth non judicial stamp paper immediately on getting confirmed work order.

15. **Authority:** The authority for the acceptance of the tenders rests exclusively with the C-DIT. The 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.

16. 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.

17. Any dispute / differences between the parties arising out of and in connection with the contract shall be settled amicably by mutual negotiations. Unresolved disputes/ differences, if any, shall be settled by Arbitration and the arbitration proceedings shall be conducted at Thiruvananthapuram (India) in English language, under the Indian Arbitration and Conciliation (Amendment) Act, 2015. Unsettled disputes will be referred to courts and courts in Thiruvananthapuram/ Kerala will have exclusive jurisdiction over the same.

18. **<u>In case of doubt:</u>**

    If the bidder has any doubt on technical specifications or on terms & conditions stipulated above, please contact **Sri Vinod N, HOD (SSD), in Mobile No: 9895788233**

    The last date for submission of tender 25.11.2026, 03.00 PM. The tender will be opened on the same day at 03.30 PM

Sd/

REGISTRAR, C-DIT

Dated **26.10.2026**

CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chithranjali Hills, Thiruvallom, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. . C-DIT/11/CCTV-Kadapra/2026-27/T902 Date: 17.11.2026

FORM – A COMMERCIAL BID

(BOQ should be submitted in your Letter Head)

Quote No. **Date:**

Sl No	ITEM	QUANTITY REQUIRED	UNIT RATE (Incl. GST)	AMOUNT (Incl. GST)
1	Supply and installation of 4 MP IP Fixed Camera (As per Tender Specifications)	2 Nos		
2	Supply and installation of 4 MP IP Varifocal Camera (As per Tender Specifications)	6 Nos		
3	Supply and installation of 4 Port PoE switch (As per Tender Specifications)	4 Nos		
4	Supply and installation of 32 Channel AI NVR (As per Tender Specifications)	1 No		
5	Supply and installation of Surveillance HDD (8TB) (As per Tender Specifications)	1 No		
6	Supply and installation 32 inch HD Professional LED TV (As per Tender Specifications)	1 No		
7	Supply and installation 128 GB Memory Card (As per Tender Specifications)	8 Nos		
8	Supply and installation of UTP Cable with Conduits (As per Tender Specifications)	450 Mtr		
9	Supply and installation of 3 inch C Class GI Pipe with 5 meter length (As per Tender Specifications)	3 Nos		
10	Supply and installation of Outdoor Rack (PVC) POE box (As per Tender Specifications)	4 Nos		
11	Supply and installation of Wireless	1 No		
12	Supply and installation of other Electrical accessories	50 mtr		
	TOTAL			

Bidder Name:

Address:

e-mail id: **Signature**

Date **Office Seal**

No. C-DIT/11/CCTV-Kadapra/2026-27/T902 Date: 17.11.2026

COMPLIANCE SHEET

ACTIVE COMPONENTS

1. **4MP IP Fixed Dome/Bullet camera .**

Make:		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Image Sensor	1/2.9" or higher 4MP PS CMOS Image Sensor		
2	Lens	3.6mm fixed Lens		
3	IR	IR Range of 30 Mtr or better		
4	WDR	120dB		
5	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher		
6	Interoperability standard	ONVIF		
7	Starlight Technology	Enabled		
8	Micro SD card	Yes		
9	Protection Grade	IP67		
10	Certification	STQC, BIS, CE , FCC		
11	OEM Warranty	3Year onsite.		

2. **4MP IP Varifocal camera**

Make		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Image Sensor	1/2.7” or higher 2MP PS CMOS Image Sensor		
2	Lens	2.7 -13.5 mm motorized		
3	IR	60m or better		
4	WDR	120dB		
5	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher		
6	Interoperability standard	ONVIF		
7	Starlight Technology	Enabled		
8	Micro SD card	512 GB or higher		
9	Protection Grade	IP67		
10	Certification	STQC , BIS, CE , FCC		
11	OEM Warranty	3 Year		

3. 4-PORT POE Switch

Make:		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Port	6		
2	PoE Ports	4, 1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port Transmission distance:0~100m		
3	Uplink Ports	2, 1000Mbps; RJ45 ports;		

4	PoE Standard	IEEE802.3af, IEEE802.3at		
5	Transmission Distance	0-100m/100 Mbps		
6	Switch Capacity	12 Gbps Full duplex		
7	Warranty	3Year onsite		
8	Preferred Brand	CP Plus/Netgear/Cisco		

4. 32 channel AI NVR

Make :		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	IP Camera Input	32 channels		
2	Video Output	2 HDMI/ 2 VGA simultaneous video output		
3	Compression	H.265; H.265+; H.264+; H.264; MJPEG or higher		
5	ANPR by Camera (Number of Channels support)	All Channels (8 Targets/s)		
6	Hard Disk	Support 4 SATA HDDs up to 16TB Each		
7	AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus		
8	Resolution	32 MP, 24 MP, 16 MP, 12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 2MP, 720p, 960p, D1, CIF, QCIF		

9	Network Bandwidth	AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing		
10	Motor Vehicle Attributes	License plate, Plate colour, Vehicle body, Vehicle model, Vehicle logo, Calling, Seatbelt, Vehicle Interior, Vehicle registration location		
11	Non-motor Vehicle Attributes	Vehicle model, Vehicle colour, Number of persons, Helmet		
12	License Plate Database Capacity	1.Create up to 20,000 plate numbers. 2. Blocklist and allow list		
13	Certification	BIS, CE, FCC, STQC Compatible		
14	Interoperability standard	Onvif		
15	OEM Warranty	3 Year onsite OEM		

5. Surveillance HDD 8TB

Make :		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Form Factor	3.5inch		
2	Capacity	8TB		
3	Recording Technology	CMR		

4	Cache (MB)	64/256 /128-256 or higher		
5	Spindle Speed (RPM)	~5400-7200 or higher		
6	Interface	SATA 6Gb/s		
7	OEM Warranty	3 Year onsite		
8	Preferred brand	WD purple/Seagate Skyhawk		

6. 32-inch HD Professional LED TV

Make:		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Item	Professional LED TV		
2	Size	32”		
3	Resolution Standard	HD Ready (720p)		
4	Inputs	HDMI x 2, RF Input x 1, USB		
5	HDR Compatability	HDR.HDR10 Pro/HDR HLG		
6	HDMI Cord	1 nos of 5-meter/10-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D, 1080p, (Preferred		
7	No. of USB	1		
8	No. of speakers	2		

9	WiFi	available		
	Mounting accessories	With sufficient wall mounting accessories suitable for site installation		
	Working hours	16 ×7 or higher		
	BEE star rating	2 star or higher		
	Warranty	3 years onsite OEM		
	Preferred brand	Samsung/LG/Sony/Panasonic		

7. <u>Memory Card(128 GB)</u>

Make:		**Model:**		
SlNo	Items	Specification	**Compliance (Yes/no)**	**Deviation If Any**
1	Capacity	128 GB		
2	Card type	Micro SDXC		
3	Read speed	70 MB/s to 100 MB/s		
4	Write speed	Minimum 30MB/s		
5	Warranty	3 years		
6	Approved brand	CP Plus/Samsung/SanDisk		

8. TECHNICAL SPECIFICATIONS OF PASSIVE COMPONENTS

Sl No	Items	Specification	Compliance (Yes/no)	Deviation If Any
1.	CAT6 UTP Cable	Category : 6 UTP Solid cable LSZH Conductor : 23 AWG (Solid) Conductor Meta : Bare Copper Insulation Material : HD-PE Pairs :2 Insulated conductors twisted together Sheath : LSZH Cable Diameter : 6.1 mm nominal Certification: UL,ETL **Make:Honeywell,3C3,Panduit, Simon,Systimax**		
2.	PVC Conduits	PVC outer jacket for a CAT6 UTP/STP cable can have an outer diameter of 6.2 mm (ivory/white) ,ISI mark **Make : Espee, Balco ,Precision, Trigger**		
3.	Pipe Fittings	As per PWD standard		
4.	3 inch C Class GI Pipe with 5 meter length	Pole size 75mm GI pipe C class ,ISI standard ,6 m height fixed in RCC 1:1.5:3 mix 45 cm*45cm*100cm depth, Mount bracket for camera fixing. **Make: Tata, Apollo, JSW, Jindal**		
5.	Outdoor Rack (PVC) POE box	Water ,shock and dust proof, sufficient lock and PDU suitable for all accessories ,storage in pole for switch, modem , media converter and UPS		
6.	Wireless Mouse	Wireless Technology. Advanced 2.4GHz Operating Distance -32 ft (10 m) **Make: Logitech, Dell, Acer**		

7.	Electrical Wiring including Conduits, Wires as PWD Standard	Using 1.5 sqmm 3 core ISI FRLS cable **Make: RR Kabel, Havells, Finolex, Polycab**		

Bidder Name:

Address:

e-mail id: **Signature**

Date **Office Seal**