



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)
Chithranjali Hills, Thiruvallom, Thiruvananthapuram-27
Phone: 0471-2380910, 912

Ref. No. C-DIT/04/SSD-CCTV/2025-26/T610

Dated 15.04.2025

TENDER NOTICE

INSTALLATION, TESTING, COMMISSIONING AND MAINTANANCE OF CCTV SURVEILLANCE SECURITY SYSTEM AT SIX GRAMA PANCHAYTHS & STATE WARE HOUSING CORPORATON, NORTH PARAVOOR

Sealed tenders are invited for the **Installation, testing, commissioning and maintenance of CCTV Surveillance Security System at Six Grama Panchayth locations and State Warehousing Corporation, North Paravoor. This includes supply of cables, accessories and racks for the proposed installation and excludes supply of cameras and NVR.** The envelopes containing the tender should bear the superscription *“Tender for the Installation, testing, commissioning and maintenance of CCTV Surveillance Security System “and* should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallam, Thiruvananthapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand. Last date for receipt of tenders is **22.04.2025, 03.00 PM**. Late tenders will not be accepted. The tenders will be opened at **03.10 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

15.04.2025

SD/-

REGISTRAR



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

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No. C-DIT/04/SSD-CCTV/2025-26/T610

Date: 15.04.2025

TENDER TERMS

INSTALLATION, TESTING, COMMISSIONING AND MAINTANANCE OF CCTV SURVEILLANCE SECURITY SYSTEM AT SIX GRAMA PANCHAYTHS & STATE WARE HOUSING CORPORATON, NORTH PARAVOOR

GENERAL TERMS AND CONDITIONS

- a) This Tender is invited for the **Installation, testing, commissioning and maintenance of CCTV Surveillance Security System at Six Grama Panchayath locations and State Ware Housing Corporation, North Paravoor** for the projects undertaken by C-DIT.
- b) C-DIT reserves the right to cancel any or all tenders without assigning any reason whatsoever

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 authorised service centre (Preferably at Kozhikode).
- 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.
- 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 2 lakh each during last 2 years. **(Documents should be attached)**

SCOPE OF WORK

To identify integrators/contractors to undertake work for the “Supply, installation, testing, commissioning and maintenance of CCTV Surveillance Security System **at Six Various Grama Panchayath Locations and Sate Ware Housing Corporation, North Paravoor.**

SPECIAL CONDITIONS FOR THIS WORK

1. C-DIT will provide all required active components for these projects. The selected agency shall supply all the other required components (Passive components) for the installation of CCTV Surveillance System and to make it functional.
2. The agency shall provide all necessary support to the technical personnel deployed by C-DIT at each District for monitoring during project implementation process and, each project shall be done only under the direct supervision of C-DIT.
3. The selected agencies shall execute an agreement with C-DIT.
4. The action plan for the implementation of CCTV project shall be intimated to C-DIT by the agency in advance, so that C-DIT Supervisors can be deployed for the monitoring and supervision of the solution.
5. The Selected agency shall provide all Electrical/Network cabling works and other associated labour works for Implementing the Closed-Circuit TV Surveillance Solution, the projects undertaken by C-DIT across Kerala.
6. The selected agencies shall be responsible for completing the entire scope of work, starting from inception to commissioning of the project.
7. The selected agency shall supply all necessary items/materials required for the successful implementation of the project, with good quality standards, and it is the responsibility of the selected agencies to make the project functional.
8. Agency should provide training to the concerned officials regarding the working principles of the surveillance system installed.
9. Technical and other details of the items offered indicating 'Make and Model ' and complete specification should be mentioned in the tender.

10. All items offered shall confirm in all respects to the relevant Indian standard Specification with up-to-date amendments wherever applicable.
11. The bidder shall guarantee that all equipment supplied by the bidder shall be free from any defects due to defective materials and bad workmanship and that the equipment shall operate satisfactorily and that the performance and efficiencies of the equipment shall not be less than the guaranteed values.

SPECIFICATIONS

| Sl No | Items | Specification |
|-------|------------------|---|
| 1. | CAT6 Cable- LSZH | Category : 6 UTP Solid cable LSZH Conductor : 23 AWG (Solid) Conductor Meta : Bare Copper Insulation Material: HDPE Pairs : 2 Insulated conductors twisted together Sheath : LSZH Cable Diameter : 6.1 mm nominal Make : D-Link, Molex ,Commscope |
| 2. | STP Cables | SFTP ,FA Network Standard Conductor Size - <u>AWG24 (0.20sq)</u> Length (m)- <u>100 or More</u> CAT6 / STP Overall Length (m) 304 Make: Honeywell, Molex, CommScope, Panduit |
| 3. | 6 Core OFC | Single mode fiber 2 FRP+YARN , diameter 5.8 mm , length 1000m 16 gauge stay and binding wire for overhead works. |
| 4. | PVC Conduits | PVC outer jacket for a CAT6 U/UTP solid twisted pair cable can have an outer diameter of 6.2 mm |
| 5. | HDPE Pipe | Density of 961 kg/m ³ .Tensile strength of 4,000 psi. |

| | | |
|-----|---|--|
| 6. | Pipe Fittings | As per PWD standard |
| 7. | 2 U Rack with PDU | Wall mount, 3.5" x 19" x 18", 20 kg, Lockable door, cable management, ventilation. Make:Netrack,GTX,Teltronix, Rackspace |
| 8. | 6 URack with PDU | Wall mount,7" x 19" x24", 30 kg, Lockable door, cable management, ventilation. Make: Netrack, GTX, Teltronix, Rackspace |
| 9. | Electrical Wiring including Conduits, Wires as PWD Standard | 1.5 sqmm 3 core cable |
| 10. | Wireless Mouse | Wireless Technology. Advanced 2.4GHz Operating Distance · 32 ft (10 m) Make: Logitech, Dell, Acer |
| 11. | Metal Lock Outdoor Waterproof CCTV Camera HOUSING for Bullet Camera, Material: Aluminum Alloy + ABS (6 INCH) Suitable for 3.6 MM Bullet Camera (*Without Bracket) | |
| 12. | 3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required) | Pole size 75mm GI pipe B Grade 6 m height fixed in RCC 1:1.5:3 mix 45 cm*45cm*100cm depth, Mount bracket for camera fixing. |
| 13. | Media Converter Giga (10/100/1000) | 1 pair built-in Single-mode Fiber Module 20 km (12.42 miles) with dual SC ports and extend Gigabit or Fast Ethernet Network up to 20 km .splicing and patch cord with box. Auto negotiation function allows UTP port to 10/100/1000M and Full&Half-Duplex mode supported |
| 14. | Outdoor Rack (PVC) POE box | Water and dust proof, sufficient lock and PDU suitable for all accessories, storage in pole for camera installation. |
| 15. | Outdoor Rack (Metal) (battery, switch, controller) | Water and dust proof powder coated body sufficient space for all accessories storage in pole for camera installation. |

| | | |
|-----|----------------|--|
| 16. | Camera PVC Box | Standard PVC box |
| 17. | IR Illuminator | 12V, 850nm 6 LEDs 130 Feet 45 Degree Wide Angle IR Illuminator for Night Vision, Waterproof. |

OTHER TERMS AND CONDITIONS

1. The bidders shall be responsible for effecting the 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. **The combined requirement for the three different offices is detailed in the Commercial bid Form-A. Bidder must quote all the items in the Commercial bid and execute the work as per the requirements in the respective locations (Family Health Centers) attached in Annexure-1.**
4. **Quotations should be submitted in your own Letter Head.**
5. **No advance payment will be made for supplies and the work.**
6. **The rate quoted by the bidder shall be inclusive of transportation charges, unloading charges and installation 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 rates 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. The enhancement of the rate will cause the cancelation of the supply order and the security deposit will be forfeited
10. C-DIT reserve the right to cancel any or all tenders without assigning any reasons whatsoever.

11. If the bidder furnishes wrong and/or misguided data, statement(s) etc. about the 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.
12. **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 for an amount equivalent to 5% (Five percent) of the value of the contract. The PBG shall be valid for period of 24 months from the date of commissioning of the work.
13. **TENDER FEE & EMD:** The bidder shall submit an amount of ₹ 1000/- as Tender fee and ₹ 5,000 as EMD, along with the tender in the form of Demand draft drawn in favour of Registrar, C-DIT payable at Thiruvananthapuram.
14. **PAYMENT TERMS:** 100% payment against successful Supply, installation & commissioning of the Equipment against submission of invoice and Performance Bank Guarantee.
15. **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
16. **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.
17. **Authority:** The authority for the acceptance of the tender 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.
18. 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.

19. 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.

20. **In case of doubt:**

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 22.04.2025, 03.00 PM.

The tender will be opened on the same day at 03.10 PM

Sd/
REGISTRAR, C-DIT
Dated **15.04.2025**

ANNEXURE 1

Proposed Locations and Solutions

Project 1- Vadakkanchery Grama Panchayath, Palakkad District

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|-------|---|----------|
| 1 | 3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required) | 8 Nos |
| 2 | 6U Rack with PDU | 1 Nos |
| 3 | 4U Rack with PDU | 1 Nos |
| 4 | 2U Rack | 13 Nos |
| 5 | STP/UTP Cable | 800mtr |
| 6 | Conduits | 800 mtr |
| 7 | Other Electrical accessories | Lot |

Locations and Solutions

1. Panchayath office building

Locations

| Front side of panchayath office | |
|--|---|
| 5 MP Varifocal Camera | 2 |
| In front of the secretary room | |
| 4 MP IP Fixed Camera | 1 |
| 4 Port POE Switch | 1 |

2. Public Place

| Locations | Qty (Nos) |
|---|--------------|
| 1. At transformer -near Lakshmi bakery | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 2. Mangalam underpass | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 3. Mangalam palam | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 4. Roll -x-auditorium | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 5. Vadakkanchery -cherupusham | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 6. Mannam road | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 7. Sha tower front side | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |

| 8. Kammanthara | |
|---|---|
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 9. Divine hospital | |
| 5MP Varifocal Camera | 3 |
| 4 Port POE Switch | 1 |
| GI Pole | 2 |
| 2U Rack with PDU | 1 |
| 10. Kizhakkencherry- | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 11. waiting shed kizhakkencherry | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |
| 12. Kizhakkencherry | |
| 5MP Varifocal Camera | 2 |
| 4 Port POE Switch | 1 |
| GI Pole | 1 |
| 2U Rack with PDU | 1 |

Project 2- Kunnothuparamba Grama Panchayath, Kannur District

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|--------------|---|-----------------|
| 1 | 3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required) | 9 Nos |
| 2 | 6U Rack with PDU | 1 Nos |
| 3 | 2U Rack | 9 Nos |
| 4 | STP Cable | 200 mtr |
| 4 | Conduits | 200 mtr |
| 5 | Other Electrical accessories | Lot |

Proposed Locations

The following locations were identified with the approval of the Gramapanchayath for the installation of CCTV Camera

1. KC Junction (In front of Mustafa House)
2. Namathu Masjid (In front of Sajana Babu House)
3. PHC Road (Near Nilangal Hospital)
4. Old Puthur Bridge (KP Road)
5. Ottanipuzha (Near Jalanidhi Pumbing Station)
6. Thuvakkunnu (Near Prakash Bakery)
7. Thazhe Vettil Bridge
8. Padinrazham
9. Mavileri Vayanasala (near Saraswathy Vijayam School)

The Monitoring Centre will be setup at Office of the Gramapanchayath, Kunnothuparamba.

Proposed Solution

(i). KC Junction (In front of Mustafa House)

1. Two 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection.
3. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.

(ii). Namathu Masjid (In front of Sajana Babu House)

1. A 5 MP Varifocal IP Bullet camera should be installed to cover road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.

(iii). PHC Road (Near Nillangal Hospital)

1. A 5 MP Varifocal IP Bullet camera should be installed to cover road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.

(iv). Old Puthur Bridge

1. A 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection.
3. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.

(v). Ottanipuzha (Near Jalanidhi Pumbing Station)

1. Two 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with static IP.

(vi). Thuvakkunnu (Near Prakash Bakery)

1. A 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole
2. One four port PoE switch should be installed to distribute the internet connection
3. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with
4. static IP.

(vii). Thazhe Vettil Bridge

1. Two 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with static IP.

(viii). Padinrazham

1. Two 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with static IP.

(ix). Mavileri Vayanasala (near Saraswathy Vijayam School)

1. A 5 MP Varifocal IP Bullet camera should be installed to cover Road in a newly installed GI Pole.
2. One four port PoE switch should be installed to distribute the internet connection
3. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with static IP.

(x). MONITORING CENTRE

An NVR with Surveillance HDD - in a 6U rack shall be inside the panchayath office
32" HD LED Television shall be installed at Monitoring Centre.

Project 3- Kannur District Panchayath Projects

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|-------|---|----------|
| 1 | 3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required) | 21 Nos |
| 2 | 6U Rack with PDU | 4 Nos |
| 3 | 2U Rack | 10 Nos |
| 4 | Media Converter | 11 Nos |
| 5 | UTP cable | 750 mtr |

| | | |
|---|------------------------------|----------|
| 6 | STP Cable | 1600 mtr |
| 7 | Conduits | 2355 mtr |
| 8 | OFC Cable | 4200 mtr |
| 9 | Other Electrical accessories | Lot |

Locations

- 1 State Seed Farm, Vengad P.O, Kannur
- 2 Government Goat Farm Kommeri, Nedumpoil,P.O, Kannur
- 3 Government Goat Farm Kommeri – Beejadhana Kendram -Kannur
- 4 District Agricultural Farm Karimbam, Kannur
- 5 State Agriculture Farm Palayad, Kannur

Project 4- Venkitangu Grama Panchayath, Thrissur

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|-------|------------------------------|----------|
| 1 | 4U Rack with PDU | 2 Nos |
| 2 | UTP cable | 250 mtr |
| 3 | Conduits | 250 mtr |
| 4 | Other Electrical accessories | Lot |

1. Proposed Locations & Solutions

The following locations were identified with the approval of the Gramapanchayath for the installation of CCTV Camera

MCF

1. A 5 MP Varifocal IP Bullet camera should be installed to cover the front view of the MCF
2. Three 4 MP Fixed IP Camera should be installed in the MCF Building.
3. One four port PoE switch should be installed to distribute the internet connection
4. Grama panchayat will provide Internet connectivity of minimum 60 Mbps bandwidth with static IP.

MONITORING CENTRE

An NVR with Surveillance HDD – in a 2 U rack will be inside the panchayath office
One 24” LED Television will be installed at Monitoring Centre and other TV will be installed at Police Station.

Project 5- Kuravilangadu Grama Panchayath, Kottayam

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|-------|------------------------------|----------|
| 1 | 2U Rack with PDU | 3 |
| 2 | STP Cable | 275 mtr |
| 3 | Conduits | 275 mtr |
| 4 | Other Electrical accessories | Lot |

Proposed Locations

The following locations were identified with the approval of the Gramapanchayath for the installation of CCTV Camera

- MCF
- Kuravilangadu Bus Stand

Proposed Solution

- **(i). MCF**
 1. Two 4MP Fixed IP Camera will install both side of the MCF.
 2. A 5MP Varifocal Camera will install to cover the front area of the MCF.
 3. One four port PoE switch will be installed to distribute the internet connection
 4. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.
- **(ii). Kuravilangadu Bus Stand**
 1. Two 4MP Fixed IP Camera will install both side of the Bus Stand.

2. A 5MP Varifocal Camera will install to cover the front area of the Bus Stand
3. One four port PoE switch will be installed to distribute the internet connection
4. An Internet connectivity of minimum 60 Mbps bandwidth with static IP will be provided by the panchayat.

- **(iii). MONITORING CENTRE**

An NVR with Surveillance HDD - in a 2U rack will be inside the panchayat office

32" LED Television will be installed at Monitoring Centre.

Project 6- Koovappady Grama Panchayath, Ernakulam

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|--------------|---|-----------------|
| 1 | 3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required) | 2 |
| 2 | 6U Rack with PDU | 1 |
| 3 | 2U Rack with PDU | 2 |
| 4 | STP Cable | 200 |
| 5 | Conduits | 200 |
| 6 | Other Electrical accessories | Lot |

Proposed Locations

Public places identified with the approval of the Gramapanchayath.

Project 7- State Ware House -North Paravoor,Ernakulam District

Hardware Requirements- Passive Components

| Sl.no | Item Requirement | Quantity |
|--------------|------------------------------|-----------------|
| 1 | 6U Rack with PDU | 1 |
| 2 | STP Cable | 1200 mtr |
| 3 | Conduits | 1200 mtr |
| 4 | Other Electrical accessories | Lot |

Proposed Locations

The following locations were identified with the approval of the Kerala State Warehousing Corporation for the installation of CCTV Camera

Kerala State Warehousing Corporation, North Paravoor.

Proposed Solution

(i). Warehousing Building

1. Installation of One 5MP Varifocal IP bullet cameras to cover the area of near beverages co-operation.
2. Installation of one 4MP fixed IP bullet camera to cover the warehouse opposite building and premises.
3. Installation of Two 5Mp fixed IP bullet camera to cover the area inside the two ware house godowns.
4. Installation of Two 5MP Fixed IP bullet camera to cover the main gate and Office building premises in newly installed GI Pole.

One Eight port PoE switch will be installed to distribute the internet connection.

ii). MONITORING CENTRE

1. An NVR with Surveillance HDD - in a 6U rack will be inside the Warehousing Office Room North Paravoor.
2. Kerala State Warehousing Corporation will provide the Internet connection with static IP at North Paravoor Office for the execution of the project.
3. Kerala State Warehousing Corporation will provide Display unit at North Paravoor Office.

FORM - A
COMMERCIAL BID

(Rate should be submitted in your Letter Head)

Quote No.

Date:

| SI No | ITEM | QUANTITY REQUIRED | UNIT RATE (Incl. GST) | AMOUNT (Incl. GST) |
|-------|--|----------------------|--------------------------|-----------------------|
| 1 | Supply and installation of CAT 6 UTP Cables with Conduits including cost of UTP Cables, Conduits and all required accessories with overlay (As per tender Specification) | 1000 Mtr | | |
| 2 | Supply and installation of CAT 6 STP Cables with Conduits including cost of STP Cables, Conduits (HDPE pipe) and all required accessories with overlay (As per tender Specification) | 4100 Mtr | | |
| 3 | Supply and installation of OFC Cables with Conduits including cost of OFC, stay wire, all required accessories with overlay (As per tender Specification) | 4200 Mtr | | |
| 4 | Installation of CCTV Camera and configuration of NVR in buildings including Cost of Camera Back box, Crimping charges etc. (indoor works) (As per tender Specification) | 92 No | | |
| 5 | Supply and Installation of 2 U Rack with PDU and installation with sufficient accessories (As per tender Specification) | 37 No | | |
| 6 | Supply and Installation of 4 U Rack with PDU and installation with sufficient accessories (As per tender Specification) | 1 No | | |
| 7 | Supply and Installation of 6U Rack with PDU and installation with sufficient accessories (As per tender Specification) | 6 No | | |
| 8 | Supply of Wireless Mouse (As per tender Specification) | 7 No | | |
| 9 | Supply and Installation of 3" C Class GI Pipe with 5-meter length with suitable cabin for the installation of power distribution boxes (if required) (As per Diagram attached) (As per tender Specification) | 45 Nos | | |

| | | | | |
|----|--|---------|--|--|
| 10 | Supply and Fixing of Outdoor Rack (PVC) POE box (As per tender Specification) | 45 No | | |
| 11 | splicing Media Converter Giga 10/100/1000 (As per tender Specification) | 11 No | | |
| 12 | Supply and Installation other Electrical Accessories as per PWD standard (As per tender Specification) | 620 Mtr | | |
| | TOTAL | | | |

Bidder Name:

Address:

e-mail id:

Date

Signature

Office Seal