

Tender document for Supply, Installation, Testing & Commissioning of IP based CCTV Surveillance System

in

CAPEX Head Quarters and its 10 Factories

Tender Ref. No : Capex/E-tender/Systems/CCTV/17-18/02 dt 23.10.17

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CAPEX

Kerala State Cashew Workers Apex Industrial Co-operative Society Ltd., No. IND (ST) 12
P.B. No.262, Industrial Development Plot, H&C Compound, Mundakkal West,
Kollam, Kerala 691 001.

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A. INTRODUCTION

CAPEX - Kerala State Cashew Workers Apex Industrial Co-operative Society Ltd., No.IND (ST) 12, Kollam was registered in the year 1984 with an objective to work as an Apex Society to take care of the operations of the 10 primary co-operative societies under Government of Kerala.

It is an apex society is to procure raw nuts, distribute the same to the primaries and get it processed by the primaries and market the processed kernels. All these are done to provide continuous employment and job security to the workers who were thrown out of their job at the time of taking over. It is established in 1984, Kollam was the Headquarters of CAPEX. The employee's strength of the 10 factories is about 4500. The details of factories are as follows:-

1. **Chengamanad CWICS NO:SOUTHERN IND(Q)346**, Chengamanad P.O, Kottarakara, Kollam, Tel # 0091-474-2402583
2. **Eravipuram CWICS NO:S.IND(Q)350**, Eravipuram P.O, Kollam-691 011, Tel # 091-474-2728670
3. **Chathannoor CWICS**, Karamcode P.O, Chathannoor, Kollam, Tel #0091-474-2593283
4. **Perinad CWICS**, Chemmakkadu. P.O, Perinad,Kollam, Tel # 0091-474-2553664
5. **Killikollor CWICS**, Kallumthathazham. P.O, Kollam, Tel # 0091-474-2711227
6. **Perumpuzha CWICS**, Perumpuzha. P.O, Kundara, Kollam, Tel # 0091-474-2522281
7. **Chathinamkulam CWICS**, Chandanathope. P.O, Kollam, Tel # 0091-474-2710884
8. **Eruva CWICS**, Eruva P.O, Kayamkulam, Alappuzha, Tel # 0091-479-2445291
9. **Pathiyoor CWICS**, Eruva P.O, Kayamkulam -690 564, Alappuzha, Tel #0091-479-2435613

10. **Navaikulam CWICS**, 28th Mile, Parakunnu. P.O, Navaikulam , Thiruvananthapuram,
Tel # 0091-470-2692055

CAPEX - Kerala State Cashew Workers Apex Industrial Co-operative Society Ltd., intends to **Supply, Installation, Testing & Commissioning of IP based CCTV Surveillance System at its Head Quarters and above mentioned 10 factories**

B. SCOPE OF WORK

(1) Supply, Installation, Testing & Commissioning of IP based CCTV Surveillance System as per schedule of items given in BOQ and its required accessories for Security Surveillance at CAPEX Head Quarters and its 10 Factories. This includes:-

- Supply of all components at CAPEX Head Quarters, Kollam, Kerala as per the BoQ.
- Installation and Commissioning of all supplied components in respective locations. The bidder shall inspect the site prior to bidding with the permission of the Managing Director, CAPEX.
- Complete configuration and integration of all the components and set up a Central Monitoring Facility (CMF) at their head quarters, in addition to the local monitoring facility at respective factory offices.
- Cameras shall sense the objects even in low illumination. These cameras are to be connected to the Network Video Recorder (NVR). The NVR unit should direct recording of all the cameras in real time. The resolution of the picture should be high. The operator should have the facility to choose any given camera for viewing on the monitor. Each image recording should be recorded with the camera number, title, time, date and recording speed visible on the screen at all times.
- Any structure, permanent or temporary, dismantled or damaged during the execution of the work shall be replaced or restored to its previous condition by the bidder at his own cost.

- Any extra electrical points or data points required in connection with the installation and configuration of the said solution shall be provided by the bidder at his own cost.
- Housing for outdoors cameras/lens shall be environmental, weather proof, IP66 rated vandal proof complete with sun shield.
- **The required UPS power points for the rack shall be provided by CAPEX.**

(2) Testing and Commissioning

- After installation and configuration of each and every subsystem, integrating various systems and providing various services, tests shall be conducted for system performance as a whole.
- Commissioning shall mean end-to-end commissioning of the complete CCTV Security Surveillance with testing of live applications. Test parameters, commitments etc shall be submitted along with implementation plan, which shall be approved by CAPEX.
- Upon Testing and Commissioning, the system shall be offered to CAPEX for inspection.
- The successful bidder, along with CAPEX shall prepare an inspection schedule with details of each activity.

(3) Documentation

- Providing original manuals of all hardware items supplied.
- Implementation plan, to be approved by CAPEX before initializing the installation and configuration activity.
- Test parameters, commitments etc. for Acceptance Testing (AT) to be enclosed along with implementation plan.
- Operators manual for shutdown or start up of the active resources.
- Acceptance test reports, performance test reports of all components.
- Any other Relevant Documentation.

(4) Training of CAPEX Team

- Training on the design, functioning, operational aspects and maintenance of the complete system.
- One day Training program without any additional charge.
- Training material for the above (one copy each per participant) to be provided free of cost.

C. Technical Specifications

Bill of Materials

SI #	Item	Quantity
1	3MP IP IR Bullet Camera	72 Nos
2	16 Channel POE NVR	1 No
3	8 Channel POE NVR	10 Nos
4	2 TB Surveillance HDD	10 Nos
5	4 TB Surveillance HDD	1 No
6	22" LED Monitor	10 Nos
7	32" LED Monitor	1 No
8	42" LED Monitor	3 Nos
9	1 KVA UPS	10 Nos
10	2 KVA UPS	1 No
11	SMPS 12V 10A	12 Nos
12	POE Converter	72 Nos
13	12U Wall Mount RACK with glass door and cooler fans	1 No
14	6 U Wall Mount RACK with glass door and cooler fans	10 Nos

15	Supply of UTP 4 pair CAT 6 LAN Cable	LOT
16	25mm PVC conduit of ISI mark with angle way , saddle , fisher, screw, cable tie, Insulation tape and allied accessories for installation (Material + Labour Cost)	LOT
17	Work Station with Intel Xeon E3-1225 v5 (Quad Core) 3.3GHz, 8 MB,2133 MHz processor, 1x 8GB DDR-4 memory, 2 GB Graphics Card, 1x1 TB SATA 7200 RPM 3.5" NHS SATA HDD , MULTI BURNER, RAID 0,1,5 in built (RAID 121i) or higher.	1 No
18	Installation, Testing & Commissioning Charges including all labor charges required for the successful completion of the project	Total Labour Cost

Specification

1. CAMERA

SL #	Functional Description	Specification
1	Image Sensor	1/3", 3.6mm, 3 MP, IP IR, Progressive scan CMOS with 2304x1296 effective pixels.
2	Minimum Illumination	0.045 Lux (Colour); 0 Lux (IR On)
3	S/N Ratio	More than 50dB
4	IR Distance	30 meters minimum
5	Day/Night	Auto(ICR)/Colour/BW
6	NVR Connectivity	POE
7	Backlight Compensation	BLC/HLC/DWDR
8	Privacy Masking	Up to 4 areas minimum
9	Noise Reduction	Yes

10	Protocol	IPv4/v6, HTTP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS
11	Compatibility	ONIF Profile S, CGI
12	Inbuilt Recording Capability	Yes, Minimum 128 GB
13	Certification	FCC, Part15 B, Class B, IP 66

2. NETWORK VIDEO RECORDER (NVR)

SL #	Functional Description	Specification
1	Processor	Dual-core embedded processor with embedded LINUX
2	Video Inputs	8/16Channels
3	Interface	1 HDMI, 1 VGA
4	Resolution	Upto 5 Megapixel
5	Alarm	Motion Detection, Video loss, Camera blank & Privacy masking
6	Backup	USB device, Network
7	Internal storage	2 SATA ports, up to 12 TB
8	Connection	POE, 2 USB ports, RS232 & RS 485
9	Certifications	CE, FCC, UL

D. Terms and Conditions

a. Eligibility Criteria

Only those firms which in their individual capacity satisfy the following criteria need to quote for this tender.

- i. The bidder should be an OEM or OEMs accredited vendor who are competent to provide ample technical support anywhere in Southern Part of Kerala. The bidder should submit **Manufactures' Authorization Form (MAF)** from the OEM along with the tender.
- ii. The bidder should have adequate experience in the field of **Supply, Installation, Testing & Commissioning of CCTV Surveillance System** of minimum 20 Lakhs in single project or 10 Lakhs each in two projects for any government organizations in Kerala. (Copies of Purchase Orders (PO) and Completion Certificates (CC) should be attached for verification.)
- iii. An undertaking to the effect that the bidder/OEM has not been blacklisted by any of the department/organizations of the Govt. of India/State Govt/PSUs; Self declaration for the same should be attached along with the agreement.
- iv. The bidder should have functional office set up inside the state of Kerala.
- v. The bidder should have a valid PAN/GST registration; Copy of same should be attached along with the tender.

b. General Conditions

- i. This tender is invited for the **“Supply, Installation, Testing & Commissioning of CCTV Surveillance System”** as per the specification in BoQ given by CAPEX.
- ii. CAPEX reserves the right to cancel any or all tenders without assigning any reason whatsoever.
- iii. CAPEX reserves the right to split the quantity of the items to be supplied among one or more bidders, at its sole discretion.
- iv. The offers shall be submitted in two cover system ie., Technical Bid and Price Bid. Technical bid documents to be submitted in pdf format and financial bid in excel available in the site (BOQ). The bidder should enter

all applicable columns in the BOQ 1 viz., basic price, tax, and other duties if any.

- v. First cover is the Technical Bid and shall contain (1) Technical details viz., the bidder should upload the technical specification sheet asked by Capex, duly signed (available online) and (2) Profile of bidder with work experience in bidder's letter head. The second cover is price bid; the bidder should quote his price only in the BOQ. Bidder should not quote price in first cover.
- vi. On taxable items of supply, GST shall be shown separately and taxes will be paid at the ruling rates applicable.
- vii. The bidders are responsible for effecting supply to the entire satisfaction of the undersigned or his authorized representatives. In case any defect in the item supplied and installed is noticed, such item will be rejected at the risk and cost of the bidder.
- viii. 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 tenderer shall be bound to supply the accepted item at the rates quoted.
- ix. The bidder shall submit the price offers in the BOQ , digitally signed, upload in the specified cover
- x. The bidder has to pay an Earnest Money Deposit (EMD) of Rs. 25,000/- (Rupees Twenty Five Thousand only) through online. The EMD should be remitted online along with the tender through e-tender portal. The EMD of the successful bidder shall be treated as a part of the security deposit. In the case of bidders whose bids are not considered for placing order, the Earnest Money Deposit will be refunded. All SSI Units having valid registration certificate with NSIC/MSME for 'CCTV System' may be exempted from submission of EMD, but they have to submit the requisite valid registration & exemption certificate issued by NSIC/MSME. If they

fail to submit the required certificates, the bids submitted by them will be summarily rejected.

- xi. The rate quoted by the bidder shall be inclusive of the charges like transportation, installation, insurance, freight, clearance and loading or unloading at sites of CAPEX. Rates quoted by the bidder shall be valid for a period of six months from the date of opening of the tender.
- xii. The rate quoted is final and no enhancement will be allowed under any circumstances. The enhancement of rate will cause the cancellation of the supply order and the security deposit will be forfeited.
- xiii. All items offered shall conform in all respects to the relevant Indian standard Specification with up to date amendments wherever applicable.
- xiv. CAPEX reserves the right to increase or decrease the quantity by or up to 25 percent of the order of goods and services originally specified in the Bid without any change in final unit price or other terms and condition. However, in case of PVC Conduit and Cables the payment shall be regulated as per actual measurement.
- xv. The delivery, installation and successful testing of the items must be completed within 45 (Forty Five) working days from the date of award of contract to the successful bidder.
- xvi. Delivery period shall be specifically indicated in the tender and strictly adhered to. The supply will be arranged and made within the stipulated delivery period on receipt of the firm order. Any delay in the delivery period after the supply order is placed may result in cancellation of the supply order. In case the successful bidder became unable to effect supply within the time limit prescribed by CAPEX, the supply order is likely to be cancelled and items will be arranged by CAPEX from elsewhere and the earnest money deposited along with security deposit collected from the successful bidder will be forfeited.

- xvii. **Corrupt or Fraudulent Practices:** Bidders should observe the highest standard of ethics during the procurement and execution of such contracts. “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of public official in the procurement process or in contract execution, and “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial by non-competitive levels and to deprive the Purchaser the benefits of free and open competition. CAPEX will reject a proposal if it is found that the Bidder recommended for award has engaged in corrupt or fraudulent practice(s) while competing for the contract in question.
- xviii. 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 Kollam (India) in English language, under the Indian Arbitration and Conciliation Act, 1996. Unsettled disputes will be referred to courts and courts in Kollam/ Kerala will have exclusive jurisdiction over the same.
- xix. **Performance Bank Guarantee (PBG)/Security Deposit:-** The bidder, in the event of an order, should furnish security deposit by DD or by bank Guarantee from an Indian Nationalized Bank at no extra cost in a Performa prescribed by CAPEX for an amount equivalent to 10% (Ten percent) of the value of the contract. The PBG shall be valid for period of 3 Years from the date of installation of the equipment.
- xx. **Tender Submission:** The tender shall be submitted as e tenders through-web portal: www.etenders.kerala.gov.in. Since this is an e-tender, only those bidders who have the enrolment in the above portal with their

own digital signature certificate (DSC) can participate in the tender.

Tender documents and other details can be obtained from the portal.

xxi. **Agreement:** The Successful bidder within 7 days of getting confirmed purchase order has to enter an agreement with CAPEX in Rs.200 worth non judicial stamp paper, to ensure warranty and after sales support during the warranty period.

xxii. **Authority:** The authority for the acceptance of the tenders rests exclusively with the CAPEX. The CAPEX does not undertake to accept the lowest or any particular tender or to assign any reason whatsoever for the rejection of any tender.

xxiii. **Payment Terms:** The following terms of payment shall be applicable for the contract

- 100% payment against successful installation and commissioning of the solution at the sites.

Warranty

- The bidder shall provide OEM warranty for all items supplied including the work executed for setting up of the solution from the date of supply and installation.
- 3 year onsite comprehensive warranty should be provided by the OEM for all the hardware specified in BOQ
- The OEM should provide a concrete undertaking along with the bidder to ensure the availability of onsite support, spares and other consumables throughout the warranty period of three years irrespective of product change or depreciation of the product. In case of the vendor /supplier disappearing or vanishing from the market for any reason, The OEM should have to provide immediate alternate service support for the project till the warranty period.

xxiv. **After Sales Service**

- Service support personnel should be available at the southern Districts of Kerala. Complaints should be attended properly, maximum within 24 hrs. If the complaints should not be attended properly, downtime penalty of Rs. 100 per day will be payable.
 - The faulty system or components should be replaced/ repaired within 7 days of fault reporting. The servicing should be carried out at the site of installation. If the faulty system or components are not repaired/ replaced within the 7 days period, downtime penalty of Rs. 1000/- will be applied.
 - The Telephone Number and address of the designated persons should be submitted for reporting faults during the warranty period.
- xxv.** At any time prior to the deadline for submission of tenders, the CAPEX 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.etenders.kerala.gov.in. Prospective bidders are advised to regularly visit the website: www.etenders.kerala.gov.in to keep track of corrigendum, if any.

- **The Last date for submission of bids** : 5.00 PM on 10. 11. 2017
- **The online bid-opening** : 11.00 AM on 15. 11. 2017

E. In case of doubt:

If the bidder has any doubt on technical specifications or on terms & conditions stipulated above, please contact **Mr. Sreeram @ 9961734597** or Email : **cashewcapex@rediffmail.com**

*If the bidder requires any technical assistance or requires any technical advice while processing the e-tender, please contact: **Kerala State IT Mission, Uppalam Road, Statue, Thiruvananthapuram, Phone Number: 0471- 2577188, 088, 388.***

Managing Director

CAPEX

23.10.2017