

TENDER DOCUMENT
FOR
SUPPLY, INSTALLATION AND COMMISSIONING
OF CCTV SYSTEM IN TOBACCO BOARD
AUCTION PLATFORMS OF KARNATAKA



TOBACCO BOARD

(Ministry of Commerce & Industry, Govt. of India)
AN ISO 9001:2015 CERTIFIED ORGANISATION
1/9, 3rd Cross, CSI Compound,
4th Floor, Unity Building Annexe,
Mission Road, Bengaluru – 560 027
Ph: 080-22236599/22233304, Fax: 080-22225075,
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Tender Document Cost: 1180/- (inclusive of GST @ 18%) (One Thousand One Hundred Eighty Only)

Email:- bangaloreoffice@tobaccoboard.co.in
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1) Introduction

Directorate of Auctions, Tobacco Board, Bengaluru invites sealed techno-financial bids from reputed companies for the supply, installation and commissioning of CCTV system for surveillance of the identified places in Tobacco Board, Auction Platforms of Karnataka.

Scope of Work

- 1.1) The Tenderer is required to supply, install and commission the CCTV System at all Tobacco Board Auction platforms in Karnataka (the address of each location is furnished as detailed below) as per the specifications and conditions specified in the different parts of this Tender document.
- 1.2) Name & Address of the Auction Platforms proposed to be installed with New CCTV surveillance system along with accessories and video recording of NVR Box should be installed in office of Auction Superintendent in the below mentioned locations. The recording shall be available for 24x7 for all operations.

S. No.	Name & Address of the Auction Platform (location)	No., of New Cameras
1	Office of the Auction Superintendent, Tobacco Board, APF.No.3, Hunsur-II, Kattemalvadi, Hunsur (T), Mysuru (D). Ph. . 08222-297019, M.No. 9448495515, email:apf3@tobaccoboard.co.in	14
2	Office of the Auction Superintendent, Tobacco Board, APF.No.64, Hunsur-III, Kattemalvadi, Hunsur (T), Mysuru (D). Ph. 08222-297308, M.No. 9448495658, email:apf64@tobaccoboard.co.in	12
3	Office of the Auction Superintendent, Tobacco Board, Platform No.62, Near Javanikuppe Gate, CHILKUNDA Village & Post-571105, Mysore Dist. Ph. 08222-241044, M.No.9448495512, email:apf62@tobaccoboard.co.in	16
Total		42

i) Name & Address of the Auction Platforms proposed to shift & install old cameras.

S. No.	Existing Cameras to be dismantled	Name & Address of the Auction Platform Proposed to be installed with dismantled CCTV cameras	No., of Cameras to be installed
1	8 No's of 5 MP Bullet cameras 4 each installed presently APF.No.3 & 64 Hunsur shall be dismantled and shifted to H.D.Kote.	Office of the Auction Superintendent, Tobacco Board, Platform No.1, H.D.Kote-571114, Mysore Dist, Ph.08228-255361, M.No.9448495505, email:apf1@tobaccoboard.co.in	8 Cameras only
2	4 No's of 5 MP Bullet cameras installed at APF.No.62 Chilkunda shall be dismantled and shifted to Shivamogga	Tobacco Board, Abbalagere Village, Savalanga Road, Shivamogga.	4 Cameras along with DVR and accessories
Total			12

ii) Name & Address of the Auction Platforms proposed to be installed with **additional cameras** to the existing NVR **16 Channel**.

S. No.	Name & Address of the Auction Platform	No., of Additional Cameras
1	Office of the Auction Superintendent, Tobacco Board, APF.No.2, Hunsur-I, Kattemalvadi, Hunsur (T), Mysuru (D). Ph. 08222-252231, M.No.9448495506, email:apf2@tobaccoboard.co.in	7
2	Office of the Auction Superintendent, Tobacco Board, APF.No.4, H.H.Bagilu (P), Periyapatna-II, Periyapatna (T), Mysuru (D) Ph.08223-274149, M.No. 9448495508, email:apf4@tobaccoboard.co.in	7

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S. No.	Name & Address of the Auction Platform	No., of Additional Cameras
3	Office of the Auction Superintendent, Tobacco Board, APF.No.5, H.H.Bagilu (P), Periyapatna-II, Periyapatna (T), Mysuru (D), Ph.08223-274149, M.No. 9448495509, email:apf5@tobaccoboard.co.in	6
4	Office of the Auction Superintendent, Tobacco Board, APF.No.6, H.H.Bagilu (P), Periyapatna-III, Periyapatna (T), Mysuru (D), Ph.08223-274951, M.No. 9448495510, email:apf6@tobaccoboard.co.in	6
5	Office of the Auction Superintendent, Tobacco Board, APF.No.7, Ramanathpura-I, Arkalagudu (T), Hassan (D). Ph.08175-225536, M.No. 9448495513, email:apf7@tobaccoboard.co.in	6
6	Office of the Auction Superintendent, Tobacco Board, APF.No.63, Ramanathpura-II, Arkalagudu (T), Hassan (D). Ph.08175-289024, M.No. 9448495514, email:apf63@tobaccoboard.co.in	6
Total		38

- 1.3) The Tenderers are advised / requested to visit the above mentioned sites/locations for survey (photographs of proposed installation of CCTV are available with the concerned Auction Superintendents) before quoting bid in the tender.
- 1.4) To carry out cabling in Auction Hall and Godown to connect all CCTV cameras to NVR box in office of Auction Superintendent Room. The cables shall be well protected from Rodents with proper casing. Wherever, underground cabling is required, proper conduit shall be provided to protect the audio/video/power cables.
- 1.5) To setup up NVR box to access the video of all CCTV cameras over Internet. Without Static IP, the NVR boxes shall be configured using DDNS free to access the CCTV cameras from anywhere through Internet.
- 1.6) All camera recordings shall have Camera ID & Location/ Area of recording as well as date/time stamp. Camera ID, location/area of recording & date/time shall be programmed by the service provider with user ID and password.
- 1.7) The successful Tenderer shall give comprehensive hands on Training after installation to the officers of Tobacco Board Auction platforms on operations, preventive maintenance, recording and retrieval of the CCTV recordings etc.
- 1.8) Workmanship and material used should be of the ISI quality standards.
- 1.9) The successful Tenderer shall carry out the work strictly as per specifications mentioned in various sections of this tender document to the satisfaction of the indenting department.
- 1.10) Bids shall be considered only in those cases where the Tenderer has quoted for the entire scope of the work.
- 1.11) Approximate / Estimated cost of the tender/bid value (excluding of GST) will be : **Rs.20.0 Lakhs.**
- 1.12) Detailed Specifications of the Cameras, NVR, PoE switches to be supplied and installed is mentioned in Annexure- IV(1-5).

2) Eligibility Criteria for Tenderers:

Minimum Eligibility Criteria

- 2.1) The company must submit the certificate of incorporation as a part of technical bid.
- 2.2) The bidding company must be a profit making company with a minimum consolidated turnover of Rs.37.5 lacs in the last three financial years i.e 2019-20, 2020-21 & 2021-22 which will be certified by Chartered Accountant.
- 2.3) Should have satisfactorily completed the similar works (Similar works means supply, installation, testing, commissioning and programming, integration of CCTV system IP cameras and networking work with allied electrical works.) in State or Central Govt., Departments or its Autonomous bodies or Public Sector undertaking as mentioned below during the last three years ending 31.03.2022 and ongoing works as on date.
 - i) Three similar works each costing not less than Rs.10.00 Lacs each, or (40% of Estimation Cost)
 - ii) Two similar works each costing not less than Rs. 15.00 Lacs each, or (60% of Estimation Cost).
 - iii) One similar work costing not less than Rs.20.00 Lacs (80% of Estimation Cost).

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- 2.4) The Tenderer should have valid OEM (Original Equipment Manufacturer) authorization from the principal manufacturer/distributor specific to this case in the name Tobacco Board. General Authorization shall not be entertained and only the price bid of the firms with valid authorization to this effect in the format enclosed as Annexure-III in original should be submitted along with the technical bid detailed above shall be opened.
- 2.5) **The proposed CCTV Cameras to be installed/shifted must be compatible with existing (16 Channel Honeywell NVR/5 MP 8 Channel Honeywell DVR) HDMS software already installed in all Tobacco Board Offices for remote viewing at Auction Platforms, Regional Managers Office Mysuru/Periyapatna, Directorate of Auctions, Bengaluru and Head Office, Guntur Or the Tenderer shall provide alternative separate software for viewing all the CCTV footages in single window through computer system and mobile app.**
- 2.6) The Tenderer must not be debarred or blacklisted by any State or Central Govt. Department to do business with State or Centre Department or its Autonomous bodies or Public Sector undertakings. The Tenderer must enclose undertaking to this effect in the format enclosed as Annexure-II should be submitted along with the technical bid
- 2.7) Warranty on products and Maintenance should be of 3 Years.
- 2.8) Complaints should be attended within 24 hours after service call/breakdown call.

3) Bid Procedures :

3.1 Instructions to Tenderers :

The Tender document can be downloaded from Tobacco Board Website i.e. <https://tobaccoboard.com/tenders.php> or can be obtained from Directorate of Auctions, Tobacco Board, Bengaluru by paying requisite tender fee i.e. Rs.1180/- including GST through Demand draft/cash receipt. Tenders submitted without cost of tender form and EMD shall be rejected.

3.2 Submission of Bids :

Sealed Tender prepared in accordance with the procedures enumerated should be submitted to the Directorate of Auctions, Tobacco Board, Bengaluru on or before the last date i.e. up to 11.00 AM on 02.12.2022

3.4 Opening of Technical Bids :

At 11.30 AM on 02-12-2022 in Directorate of Auctions, Tobacco Board, 1/9, 3rd cross, CSI Compound, Unity Building Annexe, 4th Floor, Mission Road, Bengaluru-560027. The Tenderers or their authorized representatives may be present if they so desire.

3.5 Advice to the Tenderers :

Tenderers are advised to study this Tender document carefully before participating. It shall be deemed that submission of Bid by the Tenderer have been done after their careful study and examination of the Tender document with full understanding to its implications.

3.6 Earnest Money Deposit (EMD) :

All Tenderers are required to deposit earnest money of Rs.1,00,000/- (Rupees One Lakh Only) in the form of Demand Draft drawn in favour of Tobacco Board, Bengaluru" along with the bid.

In case if the Tenderer claims for waiver of EMD, then he shall provide documentary proof of being registered with the Central Purchase Organization, National Small Industries Corporation (NSIC/MSME) or the concerned Ministry or Department as per Rule 170 of GFR 2017, of Government of India as amended from time to time. The registration must remain valid till the Bid validity Period.

The bids received without required Earnest Money/documentary proof shall be rejected without further reference. No interest shall be payable by Tobacco Board on the Earnest Money deposited by Tenderer.

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3.7 Performance Security Deposit (PSD) : The successful Tenderer will have to deposit 3% of the final order value as the Performance security deposit by way of DD drawn in Nationalized Banks in favor of the Tobacco Board payable at Bengaluru within 7 days from the issue of Work Order. The performance security deposit will be refunded to the successful firm after completion of all contractual obligations of the Tenderer including warranty obligations. The firm shall not claim any interest on the PSD.

3.8 Period of Validity of Offer :

Offer should remain valid for 90 days after the date of opening of the Pre-Qualification cum Technical bid as prescribed by the Tobacco Board. If the validity of the offer is required to be extended, then the validity of EMD will also have to be extended. An offer valid for a shorter period may be rejected by Tobacco Board as non-responsive.

3.9 Procedure for Submission of Bid :

The Bids should be submitted in two parts i.e. Technical Bid and Financial Bid.

3.10 Technical Bid:- The Technical Bid should be put in a single sealed cover superscribing the wordings “Technical Bid” for CCTV system at Tobacco Board Auction Platforms in Karnataka. The EMD/Tender form fee must be enclosed with the technical bid. It should also contain Technical Bid Form along with requisite documents, i.e., Annexure-I Bill of Material, Annexure-II Tender Offer-cum-Undertaking form & Annexure-III Original/Prime Equipment Manufacturers Authorization Form, Annexure-IV Technical Specifications duly acknowledged data sheets for the major items mentioned in the technical specification and Tender documents/Terms and conditions duly signed with seal by the Tenderer in each page.

Please note that prices should not be indicated in the Technical Bid and if price found quoted, the bid will be summarily rejected.

3.11 Financial Bid:- Financial Bid should be put in a single sealed cover superscribing the wordings “Financial Bid” for CCTV system at Tobacco Board Auction Platforms in Karnataka.

Financial Bid should only indicate prices filled as per BOQ provided in the Tender Document.

The Technical Bid Cover and Financial Bid Cover prepared as above are to be kept in a single sealed cover superscribed with the wordings “Technical and Financial Bids” for CCTV system at Tobacco Board Auction Platforms in Karnataka.

Only authorized person should sign the tender/quotation. His name, designation and address should be given in capital letters.

No tender will be considered unless and until all the documents are properly signed and all corrections must also be signed by the tenderers.

3.12 Evaluation of Bids: An evaluation committee consisting of Officers from Tobacco Board will evaluate the bids of all the Tenderers, both technically and financially as per the following schedule/pattern.

- a) Only Technical Bid shall be opened on the day of opening of the bids at 11.30 P.M. on 02-12-2022 in the presence of Tenderers representatives who wish to attend at their cost. The Tenderers’ representatives who are present will be required to put their sign in attendance register.
- b) Conditional bids shall be summarily rejected.
- c) The Technical Bid document shall be evaluated as per the following:-
 1. The documentation furnished by the Tenderer will be examined to see whether the qualifications and specific requirements including technical mentioned in this document are fulfilled.
 2. The Tenderers shall make a presentation/ demonstration of the CCTV system, **if required**, to the evaluation committee.

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3. Tobacco Board may ask the Tenderers to arrange visits of evaluation committee to the departments / organizations where the Tenderer has already executed works as claimed in their bid.
4. The Evaluation committee reserves the right to reject any tender bid without assigning any specific reason to the Tenderers.

The Financial Bid of those Tenderers who satisfy the parameters laid out in the Technical Bid will only be opened. The place, date and time of the opening of the financial bid shall be notified separately.

The Tenderer is expected to examine all the instructions, forms, terms & conditions and specifications in the Tender document. Further to furnish all the information required in the Tender document or submission of a bid in every respect will be at Tenderers risk and may result in rejection of the bid.

4) Other Terms & Conditions :

- 4.1) 3 Years of OEM, onsite comprehensive warranty/ guarantee shall be applicable to the supplied goods.
- 4.2) **Payment schedule :** 90% of the work order value will be given after successful supply, installation and demonstration at all locations against submission of invoice in duplicate to Tobacco Board, Bengaluru along with delivery challan, installation report, certification from the concerned Auction Superintendent for cabling work (in meters), Fixing PVC/HDPE pipes (in meters) and underground work - soft soil digging and refilling (in meters) showing **sketch and diagram for actual** and balance 10% shall be given after **3 months** based on the satisfactory performance of CCTV surveillance.
- 4.3) Subletting will not be permitted.
- 4.4) Bids once submitted cannot be withdrawn/ altered or modified. The bids shall remain valid and open for acceptance for a period of 90 days from the date of opening of the Technical Bids or for a period as mutually agreed upon. The EMD of any Tenderer, who fails to abide by the above conditions, will be forfeited.
- 4.5) Tobacco Board reserves the rights to demand any supporting documents from the Tenderer in the interest the Board after the opening of Technical bid. In case Tenderer has failed to submit requisite documents, the price bid of those Tenderer will not be opened & rejected summarily.
- 4.6) **Delivery & Installation:** The successful firm should supply & install preferably within one month from the date of issue of work order.
- 4.7) **Penalty:** Penalty will be levied on the firm @ 0.5% of the value of balance work to be executed for each week of delay.
- 4.8) Tobacco Board reserves the right to reject any bid and to annul the bidding process and reject all bids at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected Tenderer(s) on the grounds of Tobacco Board's action.
- 4.9) It may also be noted that in case of the Tenderer backing out during the contract period without any explicit consent of the Tobacco Board, he will be liable to forfeiture of EMD amount.
- 4.10) Status Report: The successful firm shall submit weekly status report regarding supply/installation to Directorate of Auctions, Tobacco Board, Bengaluru, from commencement till installation.
- 4.11) Income Tax shall be deducted from the bills payable to the firm as per I.T. rules in force.
- 4.12) As per GST Act'2017 in force, TDS shall be deducted from the bills payable to the firm.
- 4.13) Before submitting the tender, all the conditions stipulated shall be fulfilled and no tenderer will be allowed to rectify mistakes, if any, after opening the tender by the Committee Members.
- 4.14) The requirement of material may either decrease or increase. The rates quoted and finalized would be applicable for the reduced/increased requirements.
- 4.15) For any clarification you may contact Assistant Manager (Works), Directorate of Auctions, Tobacco Board, Bengaluru during office hours on landline No 080-22236599.

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- 4.16) **Guarantee / Warranty / Maintenance :** The entire 80 No's of CCTV System along with accessories supplied and installed should be under onsite warranty of **Three years** against all types of defects and deficiencies from the date of handing over/installation of the system to Tobacco Board, Auction Platforms. Any defects found in the product/sub-product within the warranty period of 3 years shall be rectified/ replaced by the vendor free of cost. During this period of warranty, servicing at quarterly interval or earlier without any additional cost besides attending to call back services in case of break down shall be carried out free-of-cost. This includes replacement of spare parts and any number of break down calls and quarterly service reports shall be submitted to Directorate of Auctions, Tobacco Board, Bengaluru.
- 4.17) The Director (Auctions), Tobacco Board, reserves the right to accept or to cancel all the tenders without assigning any reasons thereof.
- 4.18) **Arbitration:** In case of dispute, the matter shall be referred to the Executive Director, Tobacco Board, Guntur for appointing an arbitrator whose decision shall be final and binding on the firm.

Read and accepted on behalf of M/s_____

Signature of the Tenderer

Name :

Date :

Seal :

TOBACCO BOARD : BENGALURU**TECHNICAL BID**

Tender Form for Supply and Installation of CCTV Cameras in Auction Platforms of Karnataka

1	Name of the Firm:		
2	Registered Office Address:		
	Fax No.		
	Telephone No.		
	E-mail Address		
3	Service Centre Details if any	Location -1	Location-2
	Postal Address		
	Fax No.		
	Telephone No.		
	Email :		
4	Year of Establishment & Registration No.		
5	GST No.		
6	Permanent Account No.(PAN)		
7	Turnover Details (Proof to be enclosed) (certified by Chartered Accountant)	2019-20 - Rs. 2020-21 - Rs. 2021-22 - Rs.	
8	Name, Designation & address of the authorised person in respect of this tender		
9	Details of Tender document Cost,	Amount Rs.: Demand Draft No.: Name of the Bank :	
	Details of EMD, if not exempted (Enclose DD)	Amount Rs.: Demand Draft No.: Name of the Bank :	

Seal & Signature of the Tenderer

10	<p>Details of satisfactorily completed the similar works (Similar works means supply, installation, testing, commissioning and programming, integration of CCTV system IP cameras and networking work with allied electrical works.) <u>only in State or Central Govt., Departments or its Autonomous bodies or Public Sector undertaking</u> as mentioned below during the last three years ending 31.03.2022 and ongoing works as on date.</p> <p>i) Three similar works each costing not less than Rs.10.00 Lacs each, or (40% of Estimation Cost)</p> <p>ii) Two similar works each costing not less than Rs. 15.00 Lacs each, or (60% of Estimation Cost)</p> <p>iii) One similar work costing not less than Rs.20.00 Lacs (80% of Estimation Cost).</p>					
Sl. No.	Name of the Organization	No. of CCTV Cameras installed	Brand / Model of CCTV Cameras / NVR Boxes installed	Value of the Contract (Rs.)	Date of Work order (enclose copy)	Date of work completed and satisfactory certificate (enclose copy)
1						
2						
3						
11	<p>Details of major projects other than sl.no.10 where CCTV setup was installed and commissioned during last 3 years (Give details):</p>					
1						
2						
3						
4						
5						

Seal & Signature of the Tenderer

TOBACCO BOARD : BENGALURU

Financial Bid

S. No.	Item Description	Brand /Make	Approx Quantity required	Unit Price (Rs.)	Total (Rs.)	GST Amount (Rs.)	GST %	Grand Total
(a)	(b)	(c)	(d)	(e)	(dxe)= (f)	(g)		(f+g)= (h)
1	4MP IP Camera IR Dome		28 No's					
2	4MP IP Camera IR Bullet		52 No's					
3	16 Channel NVR		3 No's					
4	4TB Video Surveillance Hard Disk		3 No's					
5	250M 16 1000Mbps PoE Switch with 2 SFP Ports		3 No's					
6	8 1000Mbps PoE Switch with 2 SFP Ports		16 No's					
7	Smart Professional Display 32" LED Monitor		4 No's					
8	LIU Loaded LCLC Duplex; 1m LC Simplex Pigtail LC LC Patch Cord 3m		5 No's					
9	1KM SFP Modules along with suitable patch cords		6 No's					
10	Wall Mountable 2U Rack with power manager, cable manager, HD shelf		4 No's					
11	Wall Mountable 4U Rack with power manager, cable manager, HD shelf		3 No's					
12	Wall Mountable 6U Rack with power manager, cable manager, HD shelf		3 No's					
13	Supply and Laying of RG Cable for Analogue Cameras		Approx 1140 Meters	/Per Meter				
14	Supply and Laying of Cat6 Cable LSZH		Approx 4900 Meters	/Per Meter				
15	Supply and Laying 6 Core OFC cable.		Approx 510 Meters	/Per Meter				
16	Accessories : RJ45, Video Bullons, BNC, DC Pin, PVC Junction Boxes, Cat6 Patch cords, Cable Ties, Power adaptors and Miscellaneous		11 Locations	/Per Location				
17	Supply and Laying of 25"PVC Conduit with required T, Bends,		Approx 4785 Meters	/Per Meter				

S. No.	Item Description	Brand /Make	Approx Quantity required	Unit Price (Rs.)	Total (Rs.)	GST Amount (Rs.)	GST %	Grand Total
	Collor, Gatta & other accessories							
18	Supply and Laying of HDPE Pipe 25MM dia		Approx 540 Meters	/Per Meter				
19	1"PVC Flexible pipe		Approx 120 Meters	/Per Meter				
20	Fabricated Camera Mounts for outdoor cameras		Approx 54 No's					
21	Hard & Soft trenching and refilling		Approx 500 Meters	/Per Meter				
22	3 core .75 sq mm Power Cable, 3pin Sockets with accessories		11 locations					
23	Installation (including 32" LED Monitors), Commissioning, Programming & Net Working Charges		11 locations	Lump sum				
Total Amount(Rupees in words):								

Note:- 1.Rates quoted should be inclusive of transportation, handling charges etc.
2.Payment will be made based on actual running length (should not exceed the approx quantity given) for the **item No's.13, 14, 15, 17, 18, 19, 20 and 21** after completion of work and certification by concerned Auction Superintendents .

We agree and abide with the terms and conditions stipulated in the bid document.

Place:
Date :

Name:
Designation:

Signature of the Tenderer:
(Stamp/Seal of the Company)

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Bill of Material (BOM):

Annexure-I

S No	Item Description	Preferred brands and technical specifications
1	4MP IP Camera IR Dome	Specifications as per Annexure-IV(1) and preferred brand are Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech
2	4MP IP Camera IR Bullet	Specifications as per Annexure-IV(2) and preferred brands are Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech
3	16 Channel NVR	Specifications as per Annexure-IV(3) and preferred brands are Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech
4	4TB Video Surveillance Hard Disk	Seagate/WD
5	250M 16 1000Mbps PoE Switch with 2 SFP Ports	Specifications as per Annexure-IV(4) and preferred brands are Digisol/D-Link/TP Link/HP/Cisco
6	8 1000Mbps PoE Switch with 2 SFP Ports	Specifications as per Annexure-IV(5) and preferred brands are Digisol/D-Link/TP Link/HP/Cisco
7	Smart Professional Display 32" LED Monitor	LG/Samsung/VU/Panasonic
8	LIU Loaded LCLC Duplex; 1m LC Simplex Pigtail LC LC Patch Cord 3m	-
9	1KM SFP Modules along with suitable patch cords	-
10	Wall Mountable 2U Rack with power manager, cable manager, HD shelf	Netfox/ValRack
11	Wall Mountable 4U Rack with power manager, cable manager, HD shelf	Netfox/ValRack
12	Wall Mountable 6U Rack with power manager, cable manager, HD shelf	Netfox/ValRack
13	Supply and Laying of RG Cable for Analogue Cameras	Dlink/Digisol/Digilink
14	Supply and Laying of Cat6 Cable LSZH (As per actuals in mtrs)	Dlink/Digisol/Digilink
15	Supply and Laying 6 Core OFC cable.	D-Link/Digisol/Finolex
16	Accessories : RJ45, Video Bullons, BNC, DC Pin, PVC Junction Boxes, Cat6 Patch cords, Cable Ties, Power adaptors and Miscellaneous	-
17	Supply and Laying of 25"PVC Conduit with required T, Bends, Collor, Gatta & other accessories	Supreme/Ashirvad/Astral/Finolex
18	Supply and Laying of HDPE Pipe 25MM dia	Supreme/Ashirvad/Astral/Finolex
19	1"PVC Flexible pipe	-
20	Fabricated Camera Mounts for outdoor cameras	-
21	Hard & Soft trenching and refilling	-
22	3 core .75 sqmm Power Cable, 3pin Sockets with accessories	-
23	Installation, Commissioning, Programming & Networking.	-

Note : Location wise requirement details are annexed as Annexure-A

DECLARATION

I have gone through the terms and conditions issued by the Tobacco Board and agree to abide by all terms and conditions. The above information furnished by me is true to the best of my knowledge. If the information is found false at any stage, Performance Security deposited by me may be forfeited.

Place:
Date:

SIGNATURE OF THE TENDERER WITH SEAL

Tender Offer-cum-Undertaking Form

Tender Reference No.....

Date:.....

From,
M/s.....

To,
Tobacco Board,
Government of India, Min. of Commerce and Industry,
Directorate of Auctions, 1/9 III Cross, CSI Compound, 4th floor,
Unity Building Annexe, Mission Road, Bengaluru – 560027.

Sir,

Sub: Sealed tender offer for supply & Installation of CCTV cameras – reg.

Having examined the tender documents including all Annexures the receipt of which is hereby duly acknowledged. We the undersigned offer our tender for supply and installation of CCTV cameras as required by the Tobacco Board, Directorate of Auctions, Bengaluru in conformity with all the said tender documents.

We undertake, if our tender offer is accepted, to commence supply within _____ days from the date of receipt of your order awarding work.

We declare that we have not been black listed by any Govt. Department.

If our tender offer is accepted, we will deposit additional amount as prescribed by Tobacco Board on contract value as Performance Security Deposit (PSD) for due performance of the contract.

We agree to keep our offer valid for a period of three months and shall remain binding upon us.

Until a formal contract is prepared and executed, this tender offer, together with your written acceptance thereof and your notification of award shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any offer you may receive and also to reject any offer without assigning any reason whatsoever.

Date:

Authorized Signatory

Designation and Seal

PRIME/ORIGINAL EQUIPMENT MANUFACTURER AUTHORIZATION FORM

Ref No :

Dated :

To,
The Director (Auctions),
Directorate of Auctions,
Tobacco Board, 4th Floor, Unity Building Annexe,
Mission Road,
BENGALURU – 560027.

Ref: Tender No.....dated_____due on_____

Dear Sir,

We_____the Manufacturers of _____ having
manufacturing unit at _____ (Address of the
factory) do hereby authorize M/s. _____ (Name and Address of dealer) to submit a
bid, and subsequently negotiate and sign the contract with you against the above tender.

We hereby extend our full guarantee, warranty, maintenance support and also in meeting warranty obligations by providing necessary spares in time for the goods & services offered by the above dealer against this tender.

Yours faithfully

Signature & Seal
(Name of the manufacturer)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having a power of attorney to bind the manufacturer. The Tenderer in its bid should include it.

TOBACCO BOARD : BENGALURU

Annexure -IV

1.Make / Model (Specify)_____ 4 MP Day & Night Fixed Dome Network POE camera				
S No	Specification		Compliance (YES/NO)	Deviations (if any)
1	Image Sensor	1/2.7" CMOS		
2	Number Of Pixels (H × V)	2560(H) × 1440(V)		
3	Minimum Illumination	0.04 lux @ F2.2, AGC ON 0 lux with IR ON		
4	S/N Ratio	> 50 dB		
5	Electronic Shutter Speed	1/25s ~ 1/ 100,000s		
6	IR Distance	Distance up to 20 – 30 m		
7	Day/Night	Auto/Day/Night/Timing		
8	Backlight Compensation	BLC, HLC		
9	White Balance	Auto/Indoor/Outdoor/Manual		
10	Wide Dynamic Range	Digital WDR		
11	Noise Reduction	3D DNR		
12	Privacy Masking	Off / On (4 Areas)		
13	Motion Detection	Support		
14	Region Of Interest	Support (3)		
15	Lens	2.8 mm, Fixed		
16	Angle Of View	Horizontal: 110°		
17	Audio	One way, Inbuilt Microphone		
18	Video Compression	H.265 / H.264		
19	Resolution	4MP(2560×1440), 3MP(2304×1296), 1080P(1920×1080), 720P(1280×720), D1(704×576), CIF(352×288), 480×240		
20	Frame Rate	Main stream: 4MP/3MP/1080P(1~25fps) Sub stream: 720P(1~12fps)/D1(1~25fps)/CIF (1~25fps) Third stream: D1/CIF/480x240 (1~25fps)		
21	Security	User account and password protection, HTTPS, IP Filter, TLS1.2, AES-128/256		
22	Micro SD	Micro SD/SDHC/SDXC card slot (128GB)		
23	Power Supply	DC12V, PoE (IEEE 802.3af) (Class 3)		
24	Ethernet	10/100 Base-T Ethernet (RJ-45)		
25	Supported Web Browsers	Internet Explorer 11.0+		
26	Supported OS	Microsoft Windows 7/10		
27	Interoperability	ONVIF Profile S, G		
28	Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP, IGMP, SMTP, DHCP, NTP, DNS, DDNS, QoS, 802.1X, UDP, ICMP, ARP, TLS		
29	Ingress Protection	IP67		
30	Certification	CE, FCC, RoHS		
31	Preferred Brands	Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech		

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2.Make / Model (Specify) _____ 4 MP Day & Night Fixed Bullet Network POE camera				
S No	Specification		Compliance (YES/NO)	Deviations (if any)
1	Image Sensor	1/2.7" CMOS		
2	Number Of Pixels (H × V)	2560(H) × 1440(V)		
3	Minimum Illumination	0.04 lux @ F2.2, AGC ON 0 lux with IR ON		
4	S/N Ratio	> 50 dB		
5	Electronic Shutter Speed	1/25s ~ 1/ 100,000s		
6	IR Distance	Distance up to 20 – 30 m		
7	Day/Night	Auto/Day/Night/Timing		
8	Backlight Compensation	BLC, HLC		
9	White Balance	Auto/Indoor/Outdoor/Manual		
10	Wide Dynamic Range	Digital WDR		
11	Noise Reduction	3D DNR		
12	Privacy Masking	Off / On (4 Areas)		
13	Motion Detection	Support		
14	Region Of Interest	Support (3)		
15	Lens	2.8 mm, Fixed		
16	Angle Of View	Horizontal: 89°		
17	Audio	One way, Inbuilt Microphone		
18	Video Compression	H.265 / H.264		
19	Resolution	4MP(2560×1440), 3MP(2304×1296), 1080P(1920×1080), 720P(1280×720), D1(704×576), CIF(352×288), 480×240		
20	Frame Rate	Main stream: 4MP/3MP/1080P(1~25fps) Sub stream: 720P(1~12fps)/D1(1~25fps)/CIF (1~25fps) Third stream: D1/CIF/480x240 (1~25fps)		
21	Security	User account and password protection, HTTPS, IP Filter, TLS1.2, AES-128/256		
22	Micro SD	Micro SD/SDHC/SDXC card slot (128GB)		
23	Power Supply	DC12V, PoE (IEEE 802.3af) (Class 3)		
24	Ethernet	10/100 Base-T Ethernet (RJ-45)		
25	Supported Web Browsers	Internet Explorer 11.0+		
26	Supported OS	Microsoft Windows 7/10		
27	Interoperability	ONVIF Profile S, G		
28	Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP, IGMP, SMTP, DHCP, NTP, DNS, DDNS, QoS, 802.1X, UDP, ICMP, ARP, TLS		
29	Ingress Protection	IP67		
30	Certification	CE, FCC, RoHS		
31	Preferred Brands	Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech		

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3.Make / Model (Specify) _____ Network Video recorder 16 channel				
S No	Specification		Compliance (YES/NO)	Deviations (if any)
1	MAIN PROCESSOR	Quad-core embedded processor		
2	OPERATING SYSTEM	Embedded LINUX		
3	INPUTS	16 Channels IP Channels		
4	AUDIO INPUT/OUTPUT	1 Channel Input/1 Channel Output, RCA		
5	TWO-WAY COMMUNICATION	Supported		
6	INTERFACE	1 HDMI, 1 VGA		
7	RESOLUTION	3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720;		
8	DISPLAY SPLIT	1/4/8/9/16		
9	OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording		
10	COMPRESSION	H.265/H.264		
11	RESOLUTION	8 MP (3840 × 2160); 6 MP (3072 × 2048); 5 MP (2560 × 1920); 4 MP (2560 × 1440); 3 MP (2048 × 1520); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/ 352 × 240)		
12	FRAME RATE	1–15 fps (8 MP); 1–25/30 fps (rest of the resolutions) for each channel		
13	RECORD BIT RATE	200Mbps		
14	BIT RATE ¹	16 kbps ~ 20 Mbps, per channel		
15	RECORDING MODE	Schedule (Regular/Continuous, Motion Detection, Alarm); Manual; Stop		
16	RECORDING INTERVAL	1 to 120 minutes (default 60 min)		
17	PRE-EVENT RECORDING INTERVAL	1 to 30 seconds		
18	POST-EVENT RECORDING INTERVAL	10 to 300 seconds		
19	TRIGGER EVENTS	Recording; PTZ; Tour; Alarm; Video Push; Email; FTP; Snapshot; Buzzer; Screen Tips		
20	VIDEO DETECTION	Motion Detection—MD Zones: 396 (22 × 18); Video Loss; Tampering		
21	ALARM INPUT	4 Channels		
22	RELAY OUTPUT	2 Channels		
23	INTERNAL HDD	1 SATA III Port (up to 6 TB)		
24	SYNC PLAYBACK	16-channel NVRs: 1/4/8/16		
25	DECODING	2-ch in 8 MP@15fps or 4-ch in 1080P@30fps		
26	SEARCH MODE	Time/Date; Alarm; Motion Detection (MD); Exact Search (accurate to a second); Smart Search		
27	PLAYBACK FUNCTION	Play; Pause; Stop; Rewind; Fast play; Slow play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom		
28	BACKUP MODE COMPATIBILITY	USB Device; Network		
29	ETHERNET	1 RJ-45 port (10/100/1000 Mbps)		
30	SUPPORTED PROTOCOLS ²	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search, P2P		
31	MAXIMUM NUMBER OF USERS	128 users		
32	NETWORK THROUGHPUT	200 Mbps		
33	SMART PHONE COMPATIBILITY	iPhone; iPad; Android		
34	USB PORTS	2 USB Ports (1 USB2.0, 1 USB3.0)		
35	RS232	1 port (for POS communications)		

36	OPERATING TEMPERATURE	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa		
37	RELATIVE HUMIDITY	0% to 90% relative humidity		
38	STORAGE TEMPERATURE	-4°F to 158°F (-20°C to 70°C)		
39	EMISSIONS	FCC Part 15B, EN55032: 2012+AC: 2013		
40	IMMUNITY	EN50130-4: 2011		
41	SAFETY	EU: EN60950-1 North America UL listed to UL/CSA 60950-1		
42	ROHS	EN50581: 2012		
43	Preferred Brands	Bosch/Avigilon/Honeywell/Axis Samsung/Vivotech		

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4. Make / Model (Specify) 250M 16 1000Mbps PoE Switch with 2 SFP Ports				
S No	Specification		Compliance (YES/NO)	Deviations (if any)
1	Interfaces	<ul style="list-style-type: none"> • 16 10/100/1000 BASE-T ports • 2 SFP 		
2	Standards	IEEE 802.3ab, Gigabit Ethernet standards IEEE 802.3u, Fast Ethernet standard ; IEEE 802.3ab, Gigabit Ethernet standards • IEEE 802.3x, Full-duplex Ethernet data link layers ; • IEEE 802.3af/at , Ethernet power supply POE standard		
3	OSI Layer	• Layer 2		
4	Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports		
5	Lighting Protection	• 6KV		
6	Switching Fabric	• 36 Gbps		
7	Mac address	• 8K		
8	Transmission Method	• Adopt Store-and-forward		
9	Data Transfer Rates	Gigabit Ethernet Ethernet 1000 Mbps, 100 Mbps		
10	Packet Filtering / Forwarding Rates	10M port maximum 14800pps 100M port maximum maximum 148800pps 1000M port maximum 1488000pps		
11	PoE Standards	IEEE 802.3af, IEEE 802.3at		
12	PoE-Capable Ports	Port 1 - 16 (Port 1 - 8 PoE can support up to 250m @ 10Mbps with Extend enabled)		
13	Power Budget	150W (30 W max. per PoE port)		
14	Safety	LVD		
15	EMI/EMC	CE FCC		

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5. Make / Model (Specify) 8 1000Mbps PoE Switch with 2 SFP Ports				
S No	Specification		Compliance (YES/NO)	Deviations (if any)
1	Number of Ports	8 10/100/1000 Mbps + 2SFP		
2	Port Standard & Functions	IEEE 802.3 10BASE-T Ethernet		
3		IEEE 802.3u 100BASE-TX (Fast Ethernet)		
4		IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)		
5		IEEE 802.3x Flow Control for Full-Duplex Mode		
6		Auto-negotiation		
7	Network Cables	UTP Cat. 5, Cat. 5e (100 m max.)		
8		EIA/TIA-568 100-ohm STP (100 m max.)		
9	Full/Half Duplex	Full/half duplex for 10/100 Mbps speeds		
10		Full duplex for Gigabit speed		
11	Media Interface Exchange	Auto or configurable MDI/MDIX		
12	Switching Capacity	20 Gbps		
13	Transmission Method	Store-and-forward		
14	MAC Address Table	16,000 entries per device		
15	MAC Address Update	Up to 256 static MAC entries		
16		Enable/disable auto-learning of MAC addresses		
17	Maximum 64 bytes packet forwarding rate	14.88 Mpps		
18	Packet Buffer Memory	1.5 MB		
19	AC Input	100 to 240 VAC 50/60 Hz internal universal power supply		
20	Maximum Power Consumption	13.59 W		
21	Heat Dissipation	46.37 BTU/hr		
22	Storage Temperature	-4 to 158 °F (-20 to 70°C)		
23	Operating Humidity	0% to 95% non-condensing		
24	Storage Humidity	0% to 95% non-condensing		
25	MTBF	360,844 hours		
26	Certifications	FCC Class A; CE Class A; ICES-003; VCCI Class A; C-Tick; BSMI; CE; LVD		

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Annexure-A

Statement showing the details of Approx Quantity/items required for installation of 80 new CCTV cameras along with accessories and shifting of existing old CCTV cameras to APF.No.1 H.D.kote and Shivamoga

SURVEY Report		Cameras 4 MP IP			Storage	HDD	Display	POE Switch		OFC		Racks			Cable			Accessories	PIPE & ACCESSORIES in			Fabricated Mount	Excavation (Mtrs)
		IR Dome	IR Bullet	Total	NVR	4TB	32"	16+25FP PORT	8+25FP P Port	LIU 6 Port	SFP	2U	4U	6U	RG6	CAT6	OFC		1"PVC Pipes	HDPE PIPE	1"PVC Flex		
H D Kote	APF No.1	0	0	0	0	0	1	0	0	0	0	0	0	0	510	0	0	1LS	480	110	20	0	100
	APF No.1(65)	0	0	0	0	0	0	0	0	0	0	0	0	0	280	0	0		300	50	20	0	40
Hunsur	APF No. 2	3	4	7	0	0	0	0	2	0	0	0	0	0	0	410	0	1LS	300	40	20	4	40
	APF No.3	6	8	14	1	1	1	1	2	1	2	1	1	1	0	610	180	1LS	450	120	20	8	120
	APF No.64	3	9	12	1	1	1	1	2	2	2	1	1	1	0	530	180	1LS	375	90	20	8	80
Chilkunda	APF No.62	7	9	16	1	1	1	1	2	2	2	1	1	1	0	930	150	1LS	750	130	0	8	120
Periyapatna	APF No.4	2	5	7	0	0	0	0	1	0	0	0	0	0	0	480	0	1LS	360	0	0	5	0
	APF No.5	2	5	7	0	0	0	0	2	0	0	0	0	0	0	480	0	1LS	360	0	0	5	0
	APF No.6	1	4	5	0	0	0	0	1	0	0	0	0	0	0	490	0	1LS	360	0	0	4	0
Ramnathpura	APF No. 7	2	4	6	0	0	0	0	2	0	0	0	-	-	0	530	0	1LS	400	0	0	4	0
	APF No.63	2	4	6	0	0	0	0	2	0	0	1	0	0	0	440	0	1LS	300	0	0	4	0
Shimogga		0	0	0	0	0	0	0	0	0	0	0	0	0	350	0	0	1LS	350	0	20	4	0
Total		28	52	80	3	3	4	3	16	5	6	4	3	3	1140	4900	510	11 LS	4785	540	120	54	500

Details	Name of the Auction Platform	Auction Floor	Godown	Floor Entrance @ Reception points	Loading Ramp1	Loading Ramp2	Patta godown (inside)	Patta godown (outside)	Office Entrance	Total
No., of new IP cameras along with 16 channel NVR and other accessories to be installed	APF.No.3 Hunsur	4	4	3	1	0	1	0	1	14
	APF.No.64 Hunsur	4	4	2	1	0	0	0	1	12
	APF.No.62, Chilkunda	4	4	2	2	2	1	0	1	16
No., of additional new IP cameras to be installed	APF.No.2 Hunsur	0	0	2	1	1	1	1	1	7
	APF.No.4 P.Patna	0	0	2	1	1	1	1	1	7
	APF.No.5 P.Patna	0	0	2	1	1	1	0	1	6
	APF.No.6 P.Patna	0	0	2	1	1	1	0	1	6
	APF.No.7 R.N.Pura	0	0	3	1	1	0	0	1	6
	APF.No.63 R.N.Pura	0	0	2	1	0	1	1	1	6
New Cameras Total		12	12	20	10	7	7	3	9	80
to shift & install old cameras.	APF.No.1, H.D.Kote	0	0	4	2	1	0	0	1	8
	Shivamogga	0	0	0	0	0	0	0	0	4
Old cameras Total		0	0	4	2	1	0	0	1	12