

म० प्र० राज्य कृषि विपणन बोर्ड

26, अरेरा हिल्स, किसान-भवन, जेल रोड, भोपाल

क्रमांक/बोर्ड/स्वी/34-1/पार्ट/ 862

भोपाल, दिनांक 07/02/2018

प्रति,

सचिव (समस्त)

कृषि उपज मण्डी समिति,

..... जिला (म.प्र.)

विषय:- प्रदेश की मण्डी समितियों/उपमंडियों में सी०सी०टी०व्ही० कैमरे क्रय कर स्थापन एवं संचालन के संबंध में।

संदर्भ:- बोर्ड मुख्यालय का पत्र क्रमांक/बोर्ड/स्वी/विविध/सी.सी.टी.व्ही/757/23-24 दिनांक 10.4.2017 एवं परिपत्र क्रमांक/बी-7/2/सीसीटीव्ही/कैमरे/2806 दिनांक 13.6.2016

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विषयान्तर्गत संदर्भित पत्र द्वारा प्रदेश की समस्त कृषि उपज मण्डी समितियों को सी०सी०टी०व्ही० कैमरे क्रय कर स्थापन एवं संचालन के संबंध में दिशा निर्देश जारी किये गये थे। प्रदेश की कृषि उपज मण्डी समितियों में विगत वर्षों में कृषि विपणन के कार्य के विस्तृत स्वरूप को देखते हुये प्रांगण की सुरक्षा के दृष्टिकोण से सी०सी०टी०व्ही० कैमरे की स्थापना की आवश्यकता प्रतिपादित हुई है।

उक्त संदर्भित पत्रों द्वारा जारी निर्देशों को अतिक्रमित करते हुये प्रदेश की कृषि उपज मण्डी समितियों के प्रांगण में सी०सी०टी०व्ही० कैमरे क्रय कर स्थापन एवं संचालन के संबंध में म०प्र० भण्डार क्रय एवं सेवा उपार्जन नियम में विभिन्न प्रकार की सामग्री क्रय करने हेतु प्रावधान एवं प्रक्रिया स्पष्ट की गई है।

अतः निर्देशित किया जाता है कि मण्डी समितियों के कार्यालय/प्रांगणों की सुरक्षा को दृष्टिगत रखते हुये सी०सी०टी०व्ही० कैमरो का क्रय कर स्थापन एवं संचालन के संबंध में निर्धारित बिन्दुओं की पूर्ति कर पूर्ण प्रस्ताव गठित समिति की अनुशंसा सहित संयुक्त/उप संचालक आंचलिक कार्यालयों को स्वीकृति हेतु भिजवाना सुनिश्चित करे :-

- 01 कृषि उपज मण्डी समिति में सी.सी.टी.व्ही. कैमरो की आवश्यकता का आंकलन संबंधित तकनीकी संभाग के कार्यपालन यंत्री एवं मण्डी सचिव द्वारा किया जावेगा।
- 02 संबंधित तकनीकी संभाग के सहायक यंत्री, उपयंत्री एवं मण्डी सचिव द्वारा मण्डी समिति में लगने वाले सी.सी.टी.व्ही. कैमरो का स्थल चयन के साथ ही ले-आउट प्लान में चिन्हांकित करते हुये सी.सी.टी.व्ही. की संख्या का आंकलन करेगे तथा उक्त कार्य पर होने वाले व्यय का भी अनुमान लगायेगे।
- 03 उक्त गठित समिति मण्डी समिति में पूर्व से कुल कितने सी.सी.टी.व्ही. कैमरे स्थापित किये गये है एवं वर्तमान में कितने सी.सी.टी.व्ही. कैमरे चालू/बंद हालत में है। यदि पूर्व स्थापित

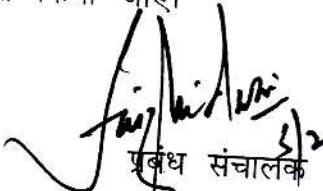
कैमरे बंद हालत में है तो उसके पुनः संचालन किये जाने पर कितना व्यय संभावित होगा का भी आंकलन करेगी एवं कैमरे को उपयोग में लाने हेतु आवश्यक कार्यवाही भी सुनिश्चित करेगी।

- 04 मुख्यालय द्वारा एक मॉडल टेण्डर डॉक्यूमेंट भी इस संबंध में तथा मण्डी की श्रेणी के आधार पर प्राक्कलन तैयार करा गया है, जिसकी प्रति संलग्न है। उक्त मॉडल टेण्डर व स्पेसीफिकेशन के आधार पर ही संबंधित तकनीकी संभाग के अन्तर्गत कार्यपालन यंत्री आवश्यकतानुसार टेण्डर प्रारूप तैयार कर केन्द्रीकृत निविदा आमंत्रित करेंगे।
तदोपरांत गठित समिति द्वारा प्राप्त निविदाओं की स्वीकृति पर विचार किया जावेगा।
- 05 संभागीय समिति यह भी देखेगी की कैमरे केवल आवश्यक स्थान जैसे कि प्रवेश द्वार, नीलाम शेड, कार्यालय भवन, तौल स्थान इत्यादी पर ही स्थापित करे जावे तथा अनावश्यक स्थानों पर नहीं लगाये जाये।
- 06 सी०सी०टी०व्ही० कैमरे क्रय करने हेतु चालू वित्तीय वर्ष में उक्त मद में स्वीकृत बजट प्रावधान की स्थिति एवं मण्डी समिति द्वारा उक्त संबंध में पारित प्रस्ताव/ठहराव की प्रमाणित प्रति।
- 07 सी.सी.टी.व्ही. कैमरे क्रय कर स्थापना एवं संचालन के संबंध में मण्डी समिति द्वारा प्रस्ताव/ठहराव पारित होने पर संभागीय कार्यपालन यंत्री को प्रस्तुत करेगी।
निविदा आमंत्रण हेतु संबंधित तकनीकी संभाग के कार्यपालन यंत्री बिन्दु क्रमांक-4 अनुसार कार्यवाही करेंगे।
- 08 सी०सी०टी०व्ही० कैमरे क्रय करने के पूर्व गठित समिति द्वारा यह भी सुनिश्चित किया जावे कि मण्डी समिति द्वारा बोर्ड को भेजी जाने वाली समस्त वैधानिक निधियों को नियमित रूप से जमा किया जा रहा हो एवं मण्डी में कार्यरत/सेवानिवृत्त कर्मचारियों के वेतन भत्तो/पेंशन का नियमित रूप से भुगतान हो रहा हो।
- 09 निविदा आमंत्रण द्वारा अधिकृत संस्था का चयन किया जाकर निर्धारित मापदण्डों वाले सी.सी.टी.व्ही. कैमरे क्रय/स्थापना/संचालन किया जावेगा।
- 10 क्रय किये जाने वाले सी.सी.टी.व्ही. कैमरों की 05 वर्ष के रखरखाव तथा इस अवधि के रखरखाव की पूर्ण जिम्मेदारी सी.सी.टी.व्ही. कैमरों प्रदायकर्ता की । इसका उल्लेख मॉडल टेण्डर डॉक्यूमेंट में किया गया है। जिसमें धरोहर राशि 05 वर्ष उपरांत वापिस होगी।
- 11 सी०सी०टी०व्ही० कैमरे प्रदायकर्ता द्वारा कैमरों के स्थापन कर उसके संचालन के लिये मण्डी के 02 कर्मचारियों को प्रशिक्षित करेगा, तत्संबंधी शर्त का उल्लेख भी क्रयादेश में होगा। प्रशिक्षित कर्मचारियों का दायित्व होगा कि वे मण्डी के अन्य अधिकारियों/कर्मचारियों को सी०सी०टी०व्ही० कैमरे के उपयोग/संचालन की जानकारी/ प्रशिक्षण दे।
- 12 क्रय किये गये सी०सी०टी०व्ही० कैमरों की स्टॉक एन्ट्री स्थाई परिसम्पत्ती पंजी में की जावेगी तथा वह कैमरे जहां स्थापित किये जा रहे हैं उन स्थानों का उल्लेख भी पंजी में करे।

- 13 सी.सी.टी.व्ही. कैमरों स्थापना एवं उसके सुचारू संचालन होने पर संबंधित प्रदायकर्ता एजेन्सी को 90 प्रतिशत भुगतान किया जावे। शेष 10 प्रतिशत भुगतान 02 वर्ष के पश्चात कैमरों के सुचारू संचालन के पश्चात किया जावेगा।
- 14 प्रशिक्षित कर्मचारियों में से एक कर्मचारी की चक्रपद्धती से कैमरों के संचालन एवं उनकी देखरेख, प्रावधान अनुसार निरंतर 30 दिवस की पूर्ण रिकार्डिंग सुरक्षित रखने की ड्यूटी मण्डी सचिव द्वारा लगाई जावेगी। तदोपरांत माह में प्रमुख घटनाओं का रिकार्ड रखा जा सकता है।
- 15 उक्त रिकार्ड की मानीटरिंग प्रतिमाह सचिव, मण्डी समिति द्वारा की जावेगी। यदि कोई विशेष घटनायें घटित होती है तो उस पर नियमानुसार कार्यवाही की जावे तथा उससे वरिष्ठालय को अवगत कराया जावे।
- 16 संबंधित आंचलिक कार्यालय संयुक्त/उपसंचालक, कार्यपालन यंत्रों का यह दायित्व होगा कि प्रत्येक 03 माह में एक बार मण्डी में लगाये गये सी0सी0टी0व्ही0 कैमरों में संचालन एवं मण्डी के द्वारा कंडिका-14 में उल्लेख अनुसार औचक निरीक्षण करे तथा उसका उल्लेख अपनी टूर डायरी में भी करे।
- 17 सी.सी.टी.व्ही. कैमरों का निविदा में प्रावधान अनुसार 05 वर्ष का रखरखाव तथा कार्य के प्रदर्शन के आधार पर रखरखाव की अवधि बढ़ाई जा सकती है।
- 18 प्रदेश की "क" वर्ग की मण्डी समिति को रूपयें 15.00 लाख तक, "ख" वर्ग की मण्डी समिति को रूपयें 10.00 लाख तक तथा "ग" एवं "घ" वर्ग मण्डी समितियों को राशि रूपयें 07.50 लाख तक के सी0सी0टी0व्ही0 कैमरों क्रय करने हेतु स्वीकृति मण्डी निधि से संयुक्त/उप संचालक आंचलिक कार्यालयों द्वारा प्रदान की जावेगी। इससे अधिक राशि व्यय की स्वीकृति के प्रस्ताव उपरोक्तानुसार पूर्ण जानकारी सहित बोर्ड मुख्यालय को संयुक्त/उपसंचालक आंचलिक कार्यालयों के स्पष्ट अभिमत/अनुशंसा सहित भिजवायें।
- 19 प्रदेश की "क", "ख", "ग" एवं "घ" श्रेणी की मण्डी समितियों में तकनीकी संभाग स्तर से निविदा आमंत्रण के पश्चात तकनीकी संभाग स्तर पर संयुक्त/उप संचालक आंचलिक कार्यालय की अध्यक्षता में गठित समिति में संबंधित कार्यपालन यंत्रों तकनीकी संभाग-सचिव, संबंधित मण्डी समिति के सचिव सदस्य तथा वित्त व्यवस्था को दृष्टिगत रखते हुये संबंधित आंचलिक कार्यालय में पदस्थ सहायक लेखाधिकारी/लेखापाल-सदस्य होंगे, द्वारा विचार/निर्णय कर स्वीकृत किया जावेगा।

उपरोक्तानुसार निर्देशों का कड़ाई से पालन सुनिश्चित किया जाए।

संलग्न - उपरोक्तानुसार


प्रबंध संचालक

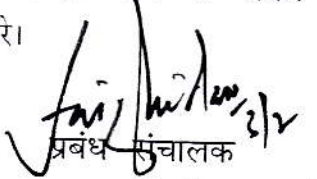
म0प्र0राज्य कृषि विपणन बोर्ड

भोपाल

प्रतिलिपि:-

- (1) प्रमुख अभियंता, म0प्र0राज्य कृषि विपणन बोर्ड, मुख्यालय भोपाल की ओर आवश्यक कार्यवाही हेतु।
- (2) संयुक्त/उप संचालक, म0प्र0राज्य कृषि विपणन बोर्ड, आंचलिक कार्यालय,(समस्त) की ओर भेजकर निर्देशित किया जाता है कि सी0सी0टी0व्ही0 कैमरे क्रय के संबंध में उपरोक्तानुसार प्रक्रिया का पूर्णतः पालन किया जाना सुनिश्चित करे।
- (3) कार्यपालन यंत्री, म0प्र0 राज्य कृषि विपणन बोर्ड, तकनीकी संभाग,..... (समस्त) की ओर भेजकर निर्देशित किया जाता है कि सी0सी0टी0व्ही0 कैमरे क्रय के संबंध में उपरोक्तानुसार प्रक्रिया का पूर्णतः पालन किया जाना सुनिश्चित करे।

संलग्न-मॉडल टेण्डर डाक्यूमेन्ट


संबंध संचालक

म0प्र0राज्य कृषि विपणन बोर्ड
भोपाल

**OFFICE OF THE EXECUTIVE ENGINEER,
M.P. STATE AGRICULTURAL MARKETING
BOARD, TECHNICAL DIVISION
(M.P.)**

REQUEST FOR PROPOSAL

Tender No. - dated: _____

2018

**CCTV SURVEILLANCE SYSTEM & their
respected Integration at KRISHI UPAJ MANDI
SAMITI DISTT.
.....(M.P.)**

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SECTION – I

INVITATION OF BIDS

Office of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.), invites online bids, under two envelopes system, from prospective contractors / reputed Indian agencies for "Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance". Interested Bidders may obtain further information from office of the Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.). Bids are invited for the work mentioned.

S. No.	ITEMS	Description
A	Scope of Work	Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.)with an AMC for a period of five years which can be extendable further years according to the performance.
B	Cost of Bid Document	Rs.2000/- (non-refundable)
C	Purchase of Tender start date ,....., 2018 , 12:00 Hrs.
D	Pre-bid meeting Date and Time	NA
E	Purchase of Tender End Date ,....., 2018, 16:00 Hrs.
F	Bid Submission End Date ,....., 2018, 17:30 Hrs.
G	Technical Proposal (Envelope B)Open Date ,....., 2018, 11:00 Hrs.
H	Financial Bid (Envelope C)Open Date	Will be intimated to successful bidder in Technical Bid
I	EMD	INR/- (Rupees Only), through online in www.mpeproc.gov.in registered website.

Note: Tender can be downloaded from the website www.mpeproc.gov.in

Any future Corrigendum/Information shall be posted From office of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) on website of state E-Procurement portal www.mpeproc.gov.in or through MPLUN official Website

SECTION - II

Letter for Submission of Tender

Ref. No.

Dated:

To
The Executive Engineer,
M.P. State Agricultural Marketing Board,
Technical Division (M.P.),

Ref: "Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.)with an AMC for a period of five years which can be extendable further years according to the performance against Tender no. MPBSCDCL/TENDER NO -....."

Dear Sir,

Having examined the tender document relating to the Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance against, Terms & Conditions and scope of procurement, Specifications etc., and having understood the provisions and requirements relating to the procurement and all other factors governing the tender, We hereby submit our offer for the

Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance against, at the rates quoted to us in the accompanying Technical & commercial Bid.

After the tender document is accepted, if we fail to complete the commissioning of the items As per the order. We agree that, The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall have full authority to forfeit the Earnest Money and cancel our order with no obligation on their part.

We confirm having deposited earnest money of Rs/- (Rupees only) through MP Eproc E-tendering portal..... dated Drawn on Bank Branch attached here to, and general information required is as per annexure attached.

We further confirm that -

1. We have successfully executed orders of similar nature and we have sufficient experience and financial strength in handling orders of this value.
2. We have sufficient trained and experienced workers and necessary materials to execute the order efficiently in the specified time schedule.
3. The quoted rates shall be valid till the completion of the order but not less than 120 days.
4. We further confirm that all chapters of the tender documents have been read, Understood and signed and there is no deviation/discrepancy. We hereby certify that was a company /firm and have not been blacklisted by any government departments / Agencies.

Signature of the Lead Bidder

With stamp and date

SECTION - III

GENERAL INFORMATION AND EMD DETAILS

1	EMD Details www.mpeproc.gov.in Name of the Bank:	Shall be paid online through E-TENDERING portal EMD Details www.mpeproc.gov.in Amount in Rs. Only
2	Name and Address of the Bidder	
3	Contacts:	
4	Telephones:	
5	Fax:	
6	E-Mail:	
7	Mobile No:	
8	Category of the Bidder (Whether Company, Partnership Firm or Proprietary Concern)	
9	Name of Chief Executive Officer and Telephone No.	
10	Year of Establishment	

Note: Separate sheets may be attached wherever necessary.

Signature of the Bidder

With stamp and date

SECTION - IV

INSTRUCTIONS TO BIDDERS:

1. Submission of Bid against this offer shall bind the bidder for the Acceptance of all the conditions specified herein or in NIT unless otherwise agreed by Mandi Offices.

2. DEFINITIONS

i) "The Purchaser" means The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.)

ii) "The Bidder" means the individual or firm who participates in the tender and submits its bid.

iii) "The Contractor" means the individual or firm Providing "Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance".

iv) "CONTRACT." means the final Acceptance of Tender placed by the purchaser on the Contractor signed by the purchaser including all attachments and appendices thereto and all documents incorporate by reference therein.

3. Eligibility conditions:

1. Registered office with 2 Branch offices minimum at Madhya Pradesh of the bidder should be locating in Bhopal / Indore / Gwalior / Satna / Jabalpur / Mandasaur/ Seoni/ Ujjain/ Rewa/ Khargon/ Murena/ Sagar or Divisional Offices.
2. Must have experience of providing Supply Installation Testing and Commissioning of Integrated CCTV with bidders minimum average turnover of Rs 5.0 Crores per year (from Security Surveillance items and their maintenance.
3. Bidder Turnover Documents – Audited balance Sheets of last 3 financial year's required showing average TO as should be required / CA Audited financial certificate having Turnover of company with net worth. Note – positive net worth across FY is mandatory otherwise bidder eligibility will be considered as non-eligible.
4. Bidder Should completed Single work of similar nature of Supply, Installations, maintenance, Commissioning of purchase order worth of Rupees 1 Crore in last 3 years or 2 Purchase orders worth of Rupees 50 Lakhs of similar nature in last 3 years.

5. Bidder should be authorized by manufacturer having valid authorization form for all surveillance items (excluding passive items – like cables, sockets etc.) issued against this tender only. Single Make of cameras, NVR, Workstations model should be quoted against the tender, multiple OEMs makes / model submitted against the aforesaid tender should be summarized single & rejected by the department.
6. Bidder Notarized company Incorporation certificate / Notarized Valid Shop Establishment Act paper documents, should require to submit against the stability of business,
7. Bidder Valid MP GST License documents, Valid PAN Number required.
8. Bidder Undertaking required on -
 - a. Non Installations of any surveillance items (like Camera, NVR) of Chinese, Taiwan or Korean Make and models.
 - b. Non Blacklist certificate on bidders letter head from any government / semi government / state government or government corporation for any nature.
 - c. Service center details and manpower allocated in those locations.
4. Downloading of Tender document: Interested Bidder can also download the tender document from The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) account from MP e-Proc tendering Portal www.mpeproc.gov.in and can participate in this tender. The bidders, who download the tender documents, shall pay Rs.2000/- online through E-tendering Portal, towards the cost of tender document or for state MSME / DIC registered organizations – exemptions in cost of tender docs after submission of valid documentary proof from authorized department otherwise bid is rejected.

The Bidder shall inspect all premises and identify the requirement of minimum number of Personnel, material and equipment which may be necessary to be deployed to undertake the specified scope of work and give appropriate price bid accordingly.

5. Bid Security / Earnest Money Deposit

- i) EMD amount will be accepted by online payment which can be paid through MP E-tendering portal in favor of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) Through NEFT/RTGS. The bid without shall be rejected.
- ii) Without prejudice to any other right of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) the Earnest Money Deposit may be forfeited by The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.):
 - (a) If the Bidder withdraws his bid during the period of bid validity; or
 - (b) In case the successful Bidder refuses to sign the Agreement;
or
 - (c) If the bidder fails to furnish the Performance Security (which is 10% of awarded tender as BG / DD in favor of " _____ " for period of 42 months from the date of award of purchase order.

In all the above cases, the bidder will not be eligible to participate in the tender for same work for Three years from the date of issue of contract.

- (iii) EMD will be refunded to the bidders within thirty days from the date of issue of award letter to the successful bidder.

6. Documents Comprising the Bid and Submission of Bid

The bids should be submitted in online through Tender portal www.mpeproc.gov.in– “MANDATORY”, “TECHINCAL BID” and “FINANCIAL BID”

- (I) The “Mandatory Bid” shall contain the following components:
 - 1. Earnest Money Deposit of Rs./- should be pay online through E-portal www.mpeproc.gov.in. The bid without EMD shall be rejected.
 - 2. Tender fee of Rs.2000/- for cost of bid document shall be pay online through E tendering portal, www.mpeproc.gov.in
- (II) The “Technical Bid” shall contain the following components
 - a. Attested copies of Documents required to be submitted for establishing Bidders Eligibility and Qualifications.

- i Copy of proof of having office in Bhopal / Indore / Gwalior / Satna / Jabalpur / Mandasaur/ Seoni/ Ujjain/ Rewa/ Kharagon/ Murena/ Sagar or any divisional locations of Mandi.
 - ii. For Partnership firms - Partnership Deed or proprietorship deed or articles/Memorandum of Association as the case may be.
 - iii. Completion Certificate(s) with work orders / purchase order from senior executive/officer of government clients for establishing experience of having SITC of CCTV Surveillance system "OR" proof of having received final payment against the PO with details of mentioning similar work on their completion certificate.
 - iv Chartered Accountant's certificate/ ITR for verifying TO for financial years as eligibility terms
 - v Copy of GST Registration.
 - vi Details of service centers along with evidence
 - vii Copy of PAN card, Bank Accounts details for payments
- d. Technical Bid Form-. All pages of the original bid shall be signed by the person or persons authorized for signing the bid.
- e. Non-participation of any close relative in Mandi Board or its subsidiary organizations of Madhya Pradesh (Declaration on Rs100 stamp paper) – refer point 7 (Non-participation of near / close relatives)
- III) Financial Bid can be quoted online through E tendering portal www.mpeproc.gov.in

7. Non-participation of near / close relatives:

The bidder should give a certificate in Form at Section VIII that none of his/her near relatives working in the units as defined below where he is going to apply for the tender. In case of proprietorship firm certificate will be given by the proprietor. For partnership firm certificate will be given by all the partners and in case of limited company by all the Directors of the company excluding Government of India/Financial institution nominees and independent non-Official part time Directors appointed by Govt. of India or the Governor of the state. Due to any breach of these conditions by the company or firm or any other person the tender will be cancelled and Bid Security will be forfeited at any stage whenever it is noticed and The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) will not pay any damage to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in the concerned unit.

The near relatives for this purpose are defined as

(a) Members of a Hindu undivided family.

(b) They are husband and wife

(c) The one is related to the other in the manner as father, mother, son(s), & son's wife(daughter in law), daughter(s) & daughter's husband(son in law), brother(s) and brother's wife, sister(s) and sister's husband(brother- in- law).

8. Rates:

(i) Rates are to be quoted online through E-Tendering Portal (online BASIC Cost of ITEMS will be considered in finalizing L1 bidder for this work .

(ii) The rates quoted should be firm and final inclusive of all Material charges, Service Charges, GST / Levis if any, as applicable and shall not be subject to any change/revision during the contract period.

(iii) No enhancement of rates will be allowed for the job contract during the currency of contract subject to minimum wage revision by the authority.

Following procedures shall be adapted in case of difference in quoted rates in figures And words and extensions: Where there is difference between rates in figures and in words, the rates quoted in words shall be considered as correct.

Where the amount of an item is not worked out or it does not correspond to the rate Either in figure or in words, the rates quoted in words shall be considered as correct and necessary' extension made.

Where the rates quoted by the bidder in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the bidder shall be considered as correct and amount shall be corrected accordingly.

9. Cost of Bidding

The bidders shall bear all costs associated with the preparation and submission of the Bid. The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) in no case be responsible for these costs regardless of the conduct or outcome of the Bidding process.

10. Validity of bid

(i) The bid shall remain valid for 120 days after the date of opening of bids. A bid valid for a shorter period shall be rejected by The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) as non-responsive.

(ii) The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) may request the bidder for extension of

period of bid validity. In such eventuality of extension of bid validity, the validity of bid security provided shall also be suitably extended. However, modification in Bid will not be allowed at any stage.

11. Bid opening

- (i) The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall open the Technical bid cover containing documents in the presence of bidders or their authorized representative who wish to be present at the time of opening of bids on due date. After scrutiny of the Technical Bid for its satisfactory specification, The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) will shortlist those who are eligible and the date of opening of Financial Bid will be intimated on our website. The financial bid will be opened only in those cases that fulfill the eligibility Conditions and furnish all documents as given in Technical Bid.
- (ii) In case the date fixed for opening of bids is subsequently declared as holiday by the Government of India / State Govt. The revised schedule will be notified. However, in absence of such notification, the bids will be opened on next working day, time and venue remaining unaltered.

12. Amendment of Bid Documents

- (i) At any time, prior to the date of submission of Bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify bid documents by amendments.
- (ii) The amendments shall be notified on our website by corrigendum and these amendments will be binding on them.
- (iii) In order to afford prospective bidders a reasonable time to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids suitably.

13. Missing Documents:

If any of the documents required to be submitted along with the technical bid is found wanting the offer is liable to be rejected at that stage. However, the purchaser at its discretion may also ask for the submission of additional / missing documents within a stipulated time period. In such case(s) the bidder shall have to comply with the purchaser's requirement within the specified time. In case of non-compliance to such queries, the bid will be out rightly rejected without entertaining further correspondence in this regard.

14. Acceptance/Termination of Bid

The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) reserves the right to accept or 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 bidder or bidders on the Grounds of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) action.

15. Evaluation after opening of Financial Bid

- (i) **THE EXECUTIVE ENGINEER, M.P. STATE AGRICULTURAL MARKETING BOARD, TECHNICAL DIVISION (M.P.) shall evaluate the bids to determine whether they are complete, whether any computational errors have been made whether documents have been properly signed and whether bids are generally in order. A conditional bid will be rejected by THE EXECUTIVE ENGINEER, M.P. STATE AGRICULTURAL MARKETING BOARD, TECHNICAL DIVISION (M.P.).**
- (ii) **Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the purchaser. If there is a discrepancy between words and figures, the amount in words shall prevail.**
- (iii) **The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall evaluate in detail and compare the substantially responsive bids and comparison of bids shall be on the price of the items offered inclusive of all levies and charges as indicated in the price schedule of the financial bid of the bid document. The final evaluation of bid shall be on grand amount arrived.**

16. Letter of Intent

The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) placement of Letter of Intent to those bidders whose offer have been found technically and financially acceptable. The bidder shall within 14 days of issue of Letter of interest, give his acceptance along with performance security in conformity with the bid document.

17. Signing of Contract

The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall issue the Final Acceptance of Tender and an agreement shall be drawn within 15 days of issuance of FAT. The signing of contract shall constitute the award of contract on the bidder. Failure of the successful bidder to comply with the signing requirement shall constitute the sufficient ground for the annulment of the award and forfeiture of the bid security, in which event The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) may at its discretion award the work to other bidder or call for fresh bids.

18. Right to vary Quantities

- (i) **The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) will have the right to increase or decrease up to 25% of the Tender Quantity of Services specified in the scheduled of requirements without any change in the charges of the offered quantity or other terms and conditions at the time of award of contract. However The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall place order as per the actual requirements only from time to time.**

19. Purchaser's Right to Accept Any Bid and to reject any or All Bids

The Purchaser reserves the right to accept or 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 bidder or bidders on the grounds of purchaser's action.

20. Purchaser reserves the right to disqualify the supplier for a suitable period who habitually failed to provide the services as per the terms and condition of the tender.

Further, the Contractor who provides the services do not perform satisfactory in the field in accordance with the specifications may also be disqualified for a suitable period as decided by the purchaser.

21. Purchaser reserves the right to blacklist a bidder for tendering in The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) for a maximum period of 2 years in case he fails to honor his bid without sufficient grounds.

SECTION - V

Scope of Work

1. Quantum of work:-

1.1 THE EXECUTIVE ENGINEER, M.P. STATE AGRICULTURAL MARKETING BOARD, TECHNICAL DIVISION (M.P.) intends to appoint a reputed agency for SITC of CCTV Surveillance System at the location detailed below:

S.No.	Tender No.	Location	Descriptions of Work
1	Tender Notice TENDER NO -.....	Krishi Upaj Mandi Samiti Distt.(M.P.)	Supply Installation Testing Commissioning of CCTV Surveillance Systems including centrally command system at Krishi Upaj Mandi Samiti Distt.(M.P.)

2 SCOPE OF WORK.

Providing Supply Installation Testing Commissioning of CCTV Surveillance security Systems centrally command system at Krishi Upaj Mandi Samiti Distt.(M.P.) as per the below given technical Specifications in Annex-I of Technical Documents.

TECHNICAL SPECIFICATIONS

Annex - I

S.No	Description	Page Number.
1	IP CCTV System with VMS
2	Bill Of Materials

1. CCTV SYSTEM and VMS

3.1] GENERIC REQUIREMENTS:

3.1a] PURPOSE:

The scope of work shall include supply, installation, testing and commissioning of IP CCTV system which includes all indoor and outdoor cameras, Racks, Displays and control panels in accordance with the specifications and relevant tender documents, regardless of whether they are explicitly mentioned or not.

The CCTV system will be highly resilient with all the cameras providing high resolution images back to the control rooms for live viewing or digital recording on any of the high resolution screens/ monitoring walls that will be installed. The lenses that have been specified within the specification will ensure optimum performance. Power over Ethernet has been considered for each camera with-in the building.

3.2] SCOPE:

The CCTV system shall consist of;

- IP Cameras
- Network Video Recorder
- Control and Monitoring Station
- Related required accessories.

3.2] Hardwires:

3.2a] Bullet Camera: Vandal Proof Bullet IP IR Camera (4MP) with Accessories

The Bullet Camera should have the minimum following specifications:

Vandal Proof Bullet IP IR 4 MP Camera with Accessories				
A	Manufacturer			
B	Model number			
S.N O	Specifications	Description	Compliance (YES/NO)	Remarks / Deviations
1	IMAGE SENSOR	1/3" 4MP PS CMOS		
2	RESOLUTIONS	4096×1800/3840×1680/2880×1264/1024×452/1920×832/1280×560		
3	ILLUMINATION	0.01 lux color 0 lux B/W (IR LEDs on)		
4	S/N RATIO	≥ 50 dB		
5	ELECTRONIC SHUTTER SPEED	1/3 – 1/100,000 s		
6	DAY/NIGHT	YES		
7	BLC	YES		
8	WHITE BALANCE	Auto / Manual		
9	AGC	Auto / Manual		
10	IR DISTANCE	Up to 50 mtr		
13	LENS	4.0 mm, M12		
14	AUDIO/TWO-WAY	Two way		
15	ALARM INPUT/OUTPUT	1IN / 1 Out		
16	ETHERNET	RJ-45 (100/1000Base-T)		
17	VIDEO COMPRESSION	H.265/H.264/MJPEG		
18	STREAM	Triple Streaming WDR		
19	AUDIO COMPRESSION	G.711a/G.711Mu/AAC/G.726		
20	COMPATIBILITY	ONVIF Profile S, G and Q		
21	PROTOCOLS	IPv4/v6, TCP/IP, UDP, RTP; RTSP, RTCP, HTTP, HTTPS, SSL, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP v2c/v3, Bonjour, DNS, DDNS, IEEE 802.1x, QoS, NTP, IP Filter, Multicast, ONVIF		
22	USERS	20 users		

23	Alarm Type	No SD card, SD card error, SD card capacity warning, Network disconnection, IP address conflict, Illegal access, Face detection, Audio detection, Video tampering, Motion detection		
24	ALARM NOTIFICATIONS	Record (SD card and FTP), Relay output, Email, Snapshot		
25	VIDEO ANALYTICS	Face detection, Audio detection, Video tampering, Motion detection		
26	SD CARD	32 GB		
27	POWER	PoE + (802.3at) Class 4, 24 VAC		
28	OPERATING TEMPERATURE	-25°C to 60°C		
29	RELATIVE HUMIDITY	Less than 95%, non-condensing		
30	RATINGS	IP67 and IK10		
31	CERTIFICATES	CE/FCC/UL/EN, ROHS		

3.2 b) PTZ IP, 2MP 30X OUTDOOR CAMERA

Parameter	Specification
Image sensor & Minimum Effective Pixels (Resolution)	1 / 2.8" or better CMOS Progressive Scan (2 MP) HD (1920*1080)
Zoom	30x optical zoom or better
Electronic Shutter	1/5 to 1 / 30,000 s
Min illumination/ light sensitivity(Colour)	0.01 lux, F1.6 or better
Min illumination/ light sensitivity (B/W)	0.001 lux, F1.6 or better
Wide Dynamic Range	120dB
Backlight Compensation	ON/OFF
IRIS Control	DC / Automatic
Focus	Automatic / Manual
Automatic Gain Control	Auto / Manual
Frame Rate	25 FPS for 1920 x 1080 or better
Video	
Day and Night functionality	Automatic, Colour, Mono Should automatically switch to night vision by sensing illumination level

Video Resolution	HD 2 MP (1920 x 1080) or better
IR illuminator	Internal / External Illuminator & visibility should be at least 120 m: IR Illuminator should cover 360 degree area.
Video Streams	Individually configurable 02 video streams (H.264, MJPEG);
Intelligent Video	Motion detection
Electronic Image Stabilization	Required
PTZ Function	
PAN TILT Range	360° continuous pan & 180° tilt range
PAN TILT Speed	0.1° to 200°/s for panning & 0.1° to 120°/s for tilting & Up to 200°/s for Preset speed.
Pre-sets	Minimum 50Pre-set Points
Pre-set Tour & Pattern	Required
Privacy Mask	04 Zones
Compression	

3.2C) ANPR System

The ANPR System shall enable monitoring of vehicle flow at strategic locations. The system shall support real-time detection of vehicles at the deployed locations, recording each vehicle, reading its number plate, database lookup from central server and triggering of alarms/alerts based on the vehicle status and category as specified by the database. The system usage shall be privilege driven using password authentication.

#	Description	Bidder Compliance (Yes/No)	Product Documentation Reference
1	Make	<to be provided by the bidder>	
2	Model	<to be provided by the bidder>	
3	Vehicle Detection by Color		

	<ul style="list-style-type: none"> • The system shall detect the color of all vehicles in the camera view during daytime and label them as per the predefined list of configured system colors. The system will store the color information of each vehicle along with the license plate information for each transaction in the database. • The system shall have options to search historical records for post event analysis by the vehicle color or the vehicle color with license plate and date time combinations 		
4	<p>Alert Generation</p> <ul style="list-style-type: none"> • The system should have option to input certain license plates according to the hot listed categories like "Wanted", "Suspicious", "Stolen", etc by authorized personnel. • The system should be able to generate automatic alarms to alert the control room personnel for further action, in the event of detection of any vehicle falling in the hot listed categories. 		
5	<p>Vehicle Status Alarm Module</p> <ul style="list-style-type: none"> • On successful recognition of the number plate, system should be able generate automatic alarm to alert the control room for vehicles which have been marked as "Wanted", "Suspicious", "Stolen", "Expired". (System should have provision/expansion option to add more categories for future need). • The Instantaneous and automatic generation of alarms. In case of identity of vehicle in any category which is define by user. 		
6	<p>Vehicle Log Module</p> <ul style="list-style-type: none"> • The system shall enable easy and quick retrieval of snapshots, video and other data for post incident analysis and investigations. <p>The system should be able to generate suitable MIS reports that will provide meaningful data to concerned authorities and facilitate optimum utilization of resources.</p> <p>These reports shall include.</p> <p>Report of vehicle flow at each of the installed locations for Last Day, Last Week and Last Month.</p> <p>Report of vehicles in the detected categories at each of the installed locations for Last Day, Last Week and Last Month.</p> <p>Report of Vehicle Status change in different Vehicle</p>		

	<p>Categories.</p> <p>The system shall have Search option to tune the reports based on license plate number, date and time, site location as per the need of the authorities.</p> <p>The system shall have option to save custom reports for subsequent use. The system shall have option to export report being viewed to common format for use outside of the ANPRS or exporting into other systems.</p> <p>The system should provide advanced and smart searching facility of License plates from the database. There should be an option of searching number plates almost matching with the specific number entered (up to 1 and 2 character distance)</p>		
7	<p>Vehicle Category Editor</p> <p>The system should have option to input certain license plates according to category like "Wanted", "Suspicious", "Stolen", "Expired" etc. by Authorized personnel.</p> <p>The system should have an option to add new category by authorized personnel.</p> <p>The system should have option to update vehicle status in specific category by authorized personnel.</p> <p>e.g. on retrieval of stolen vehicle, system entry should be changed from "Stolen" to "Retrieved".</p> <p>System should have option to specify maximum time to retain vehicle records in specific categories.</p>		
8	<p>Central Management Module</p> <p>The Central Management Module shall run on the ANPRS Central Server in control booth. It should be possible to view records and edit hotlists from the Central Server.</p> <p>ANPR Specification</p> <p>Base Specification of Fixed Box Cameras (Section 5.2.2.2 of Annexure I) must be part of the ANPR specifications.</p> <p>Camera Housing</p> <p>IP66 standard with sunshield vandal proof Housing</p>		
9	<p>Systems requirement</p> <p>Local Server at Intersection: The system must run on a Commercial Off the Shelf Server (COTS). Outdoor IP 66 Quad core processor based server should be able to cover at least 8 lanes. Temperature</p>		

rating of the server should be at least 60 degree.

Operating system: The system must be based on open platform and should run on Linux or windows Operating system.

Workstation: Workstation must run on latest available OS.

ANPR Camera Specifications

S. No.	Parameter	Minimum Specifications or better	Compliance (YES/NO)
1	MAKE		
2	MODEL		
a	Video Compression:	H.264	
b	Video Resolution	1920 X 1080	
c	Frame rate	min. 30 fps	
d	Image Sensor	1/3" Progressive Scan CCD / CMOS	
e	Lens Type	Varifocal, C/CS Mount, IR Correction full HD lens	
f	Lens#	Auto IRIS 5~50mm /8 – 40 mm, F1.4	
g	Minimum Illumination	Colour: 0.5 lux, B/W: 0.1 lux (at 30 IRE)	
h	IR Cut Filter	Automatically Removable IR-cut filter	
i	Day/Night Mode	Colour, Mono, Auto	
j	S/N Ratio	≥ 50 Db	
k	Auto adjustment + Remote Control of Image settings	Colour, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, Gain Control, True Wide Dynamic Range	
l	Audio	Audio Capture Capability, G.711, G.726	
m	Local storage	Minimum 64 GB Memory card in a Memory card slot. In the event of failure of connectivity to the central server the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the server recording such that no manual intervention is required to transfer the SD card based recordings to server.	
n	Protocol	IPV4, IPV6, HTTP, HTTPS, FTP/SMTP, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, NTP, QoS, ONVIF Profile S	

o	Security	Password Protection, IP Address filtering, User Access Log, HTTPS encryption
p	Operating conditions	0 to 50°C (temperature), 50 to 90% (humidity)
q	Casing	NEMA 4X / IP-66, IK10 rated
r	Intelligent Video	Motion Detection & Tampering alert
s	Alarm I/O	Minimum 2 Input & 1 Output contact for 3 rd part interface
t	Certification	UL, CE/EN, FCC

3.2d) Network Video Recorder: 32 -CHANNEL@1080P NETWORK VIDEO RECORDER with Redundancy (N+1)

The NVR should have the minimum following specifications:

32 -CHANNEL1080P NETWORK VIDEO RECORDER with Redundancy (N+1)				
A	Manufacturer			
B	Model number			
S.NO	Specifications	Description	Compliance (YES/NO)	Remarks / Deviations
1	Operating System	LINUX		
2	Memory	8GB DDR3		
3	Video Input	32 channels 1080P @ 4Mbps		
4	Recording Resolution	4K, 5MP, 3MP, 1080P, 720P, 960H, D1		
5	ONVIF Compliance	ONVIF Profile S		
6	Compression	H.265, H.264, MJPEG		
7	Video Recording	64 channels 1080P @ 4Mbps		
8	Audio Input	Audio input with video streams		
9	Motion Detection	YES		
10	Alarm Event	Recording, PTZ preset, Alarm, Screen tips and Email		
11	HDD	Hot swap, 8 bays SATA HDD, up to 64TB storage, 1 SAS up to 32TB		
12	RAID	RAID 0, 1, 5, 6, 10, global HDD Hot standby, RAID5 expansion		

13	HDD Management	HDD quota, virtual disk, HDD faulty alarm		
14	Recording Mode	Manual, Schedule, Motion detection trigger, Alarm trigger		
15	Search Mode	Date/Time, Event (Alarm, Motion detection), Accurate search (to second), Log link		
16	E-Signature (Watermark)	YES		
17	Protocol Support	HTTP/HTTPS, TCP/IP, RTSP, UDP, NTP, DHCP, IPC Search		
18	Remote Control Function	Monitor, PTZ control, Playback, Configuration, File download, Log information, firmware upgrade		
19	User	20 Users		
20	Network Interface	2 RJ-45 port (10/100M/1000M)		
21	USB Interface	3 USB 2.0 ports		
22	Serial Interface	1 RS-232		
23	Dual Power	YES		
24	Power Consumption	200W (without HDD)		
25	Operating Temperature	-10°C ~ 40°C		
26	Relative Humidity	YES		
27	Mounting	Rack type		
28	Network failure recovery	YES		
29	Automatic IP search	YES		
30	Dual Ethernet bonding	YES		
31	Defog function	YES		
32	Electronic Image Stabilizer	YES		
33	SAS Support	YES		
34	Mobile Applications	YES		
38	Certificates	UL, CE, FCC		

3.2e) Video Management Software:

Video Management Software (VMS) is core of high-definition digital integrated security platform, extremely integrate variety of security solutions: includes upgrade existing analog system to digital system, Analog hybrid systems, full digital system, High-definition digital video surveillance system and integrated security management platform which seamlessly integrated access control systems and intrusion alarm system. VMS can provide unified GUI for monitoring, recording, and provides timing and accurate information to make a timely response for any challenge. VMS can become a fully scalable enterprise-class media management system. Advanced network-based system architecture can be made real-time video from different sites to get a unified monitoring, configuration and storage. In order to better manage and protect facility assets safety, VMS is designed to be efficiently integrated access control, intrusion detection systems, and other video equipment such as DVR and NVRs, analog keyboard, encoder, decoder and video cameras. The system bases on synchronized time source.

Client Application shall provide live video view, various video playback support, historical video search and playback, PTZ Controls, alarm management, E-Map and front end control, video analysis features to an operator. Client Application shall also able to manage & control all devices depending on the user access privileges. Currently, the number of connected VMS Client is determined by the number of License.

Video-Analysis: Including Action Analytics like detection of trespassing, detection and tracking of moving objects, and detection of specific events and Counting like video analytics of people counting and car counted in lane.

OPERATIONAL REQUIREMENTS

- A. VMS shall provide a single graphical user interface (GUI) to monitor, control and administer digital video surveillance equipment from multiple systems and platforms; Access Control & Intrusion Detection System.
- B. All the Alarms from all the interfaces i.e. CCTV; Access Control & Intrusion Detection shall be reported into a single GUI.
- C. VMS shall include a fully scalable enterprise-class media management system to enable simultaneous live monitoring from multiple stations and be configurable for storage both on and off site.
- D. VMS shall be configured to store and view images captured by one camera or numerous cameras and monitor connections across an unrestricted number of servers.
- E. All the Software & hardware equipment for CCTV, Access Control & Intrusion Detection Systems shall be of same make/manufacturer.

1. VMS (Video Management System)

"VMS (Video Management System) and Analytics Software should be ONVIF (Open Network Video Interface Forum) Compliant and of the same OEM as that of CCTV Camera. The basic requirement of features for the VMS and Analytic Software should be as detailed below:

Video Management System Software

- i. Simultaneous viewing and recording of Live Video from multiple Cameras.
- ii. Several recording modes i.e. continuous, schedules, on alarm and on motion detection.
- iii. Capacity to handle high frame rates and large amount of data.
- iv. Multiple search functions for recorded events. User should be to choose to filter the search based on the desired criteria.
- v. VMS shall have the capability of accepting analog (NTSC and PAL) video signals and a range of digital video compression video stream including H.264 and MPEG4.
- vi. Control of PTZ, motorized zoom and dome cameras.
- vii. Alarm management functions (sound alarm, pop-up windows or e-mail).
- viii. Full duplex, real time audio support and Video intelligence.
- ix. VMS Software must be capable of working on different Operating Systems/ platforms. It should also support accessing VMS on Client Machines using standard web browsers like IE, Mozilla, Google Chrome etc.
- x. VMS should support RAID, Direct Attached Storage & NAS in case if more storage required
- xi. The digital VMS should support Redundant Management Servers, Streaming Servers, Event & Control Systems, Clients, Backup Functions, Multi Server Cascading Function, Rules Programming, etc.
- xii. VMS should provide main display with information and controls. While adding a new device, a display with the information and controls such as Device Type, ID, Name, Tag, Location, Description IP, Port, Current Date & Time,

as minimum should be provided.

- xiii. The user shall be able to configure the parameters like Pre-Recording Duration, Record Duration, Streaming Server Location and Retention Period.
- xiv. VMS should provide the option to select Camera Name or Number, Camera Location, Alarm or event type, Recording Type (scheduled, event, operator, live video viewing, all), Duration, Operator Name.
- xv. The user authorization facility shall be available through the software.
- xvi. VMS should provide the facility for Online Storage as well as Offline Storage.
- xvii. Status of all the components of digital VMS should be displayed.
- xviii. Digital VMS should provide functions to record log of devices and digital VMS components alarm. Events/ status and display to manage and export these logs. Log file should be exported to Excel format.
- xix. The VMS Software should be licensed.

Analytic Software with Alarm & Reports for :

- Line crossing/ Trip wire
 - Camera tampering
 - Unattended object
- A. The VMS shall offer the latest in digital technology, providing unparalleled stability, reliability, security, ease of use and flexible Graphical User Interface (GUI).
1. Conformity for Europe (CE)
 2. Federal Communications Commission (FCC)
 3. National Television Systems Committee (NTSC)
 4. Phase Alternating by Line (PAL)
 5. Underwriters Laboratories Inc. (UL)- VMS Server only
 6. ONVIF Profile S Client (Platform) Certification

1.01 SYSTEM DESCRIPTION

A. Video Management Software system provide one-stop digital security solution: from front device- IP Camera and Encoder to back end solution- Network storage, video analytics, TV Wall and central management; and also provide central redundancy kit, N+1 redundancy for recording device, key protecting for video storage network fault continues. Video Management Software system fully meet the stringent security requirements of a high level of security places; help users develop rule and emergency command program according to the needs of their business process management to make sure emergency response being followed and put an end to human negligence caused action missing; it can seamlessly integrate access control systems and alarm systems, building the digital integrated security management system.

1.02 WARRANTY

A. General: The warranty period shall be a minimum of Twenty four (24 months) from the delivery date of the system under normal use and service will be 36 months (AMC).

MAINTENANCE

- A. Preventive Maintenance Agreement during Warranty: As a separate price item, the Contractor shall provide preventive maintenance during the warranty period. Maintenance shall include, but not be limited to:
- a. Labor and materials, at no additional cost, to repair Video Management Software system.
 - b. Labor and materials, at no extra cost, to provide test and adjustments to Video Management Software system.
 - c. Regular inspections.

3.2 f) 40 " INDUSTRIAL LED MONITOR (24 X 7)

Resolution	Full HD
Screen Size	40 "
Aspect Ratio	16:9
Contrast Ratio	3,000:1
Response Time	8 (G to G)
Viewing Angle (H/V)	178°/178°
Panel Type	VA
BLU Type	LED
Output	HDMI, VGA
Certifications	UL, CE, FCC

3.2g) Network Switch if as required

Specifications	
L2 Switch	The switch should have total 16 port (16 auto-sensing 10/100/1000
L3 Switch	48 port Switch 10/100/1000

3.2h) PASSIVE COMPONENT - COPPER COMPONENT

Connectivity	Cable Type
IP Cameras to Field	CAT 6 UTP Cable (up to distance of 90 meters)
PVC Conduit	PVC Conduit of medium grade with 25 mm diameter will be used for laying cables. And Certification: ISI Mark

3.2i) CONTROL ROOM UPS

UPS FOR EQUIPMENTS: Bidder should provide 5 KVA UPS with power backup of at least 2 hour

Sr No.	Parameter	Specification
1	General Specifications	
	UPS Topology	On line double conversion VFI SS 111
	Architecture of the UPS for all cities	<i>*Minimum 5 KVA and / *Minimum 3 KVA</i>
	Neutral	Neutral Passing through
	Output wave form on mains run	Sinusoidal
	Output wave form on battery run	Sinusoidal
	Bypass type	Static and electro mechanic
	Transfer time	Zero

3.2j) SERVER RACKS 9U, 19".

19" 9U racks shall be used in the court control room

The racks should conform to EIA-310 Standard for Cabinets, Racks, Panels and Associated Equipment and accommodate industry standard 19" rack mount equipment. Rack should be of adequate overall weight carrying Capacity of as per requirement of the solution.

Front and Back doors should be perforated for appropriate level as per Industry standard.

All racks should be OEM racks with Adjustable mounting depth, Multi-operator component compatibility, Numbered U positions, Powder coat paint finish and Protective grounding provisions.

All racks should have mounting hardware 2 Packs, Blanking Panel.

All racks must be lockable on all sides with key for each rack

Racks should be compatible with floor-throw as well as top-throw data center cooling systems.

Appropriate / adequate Wire managers / cable managers / label kits should be provided.

Adequate and redundant Power distribution Units with Electronically controlled circuits for Surge & Spike protection, isolated input to Ground & Output to Ground

The racks must have steel (solid / grill / mesh) front / rear doors and side panels. Racks should NOT have glass doors / panels. Depth and width as per requirement.

3.2k) CAMERA POLES

Camera poles should be used as and wherever required. The bidder based on site survey will be at a liberty to decide type of Pole/Tower to be erected at the site keeping leading industry practice in mind and aesthetic beauty of the mandi campus. Pole sample would be required to be approved by the purchaser.

Sr.	Parameter	Specifications
1	Pole Type	Hot Dip Galvanized after fabrication with silver coating of 86 micron
2	Height	7 meter or higher, as per requirements for different types of cameras & Site conditions
3	Pole Diameter	Minimum 10 cm diameter pole(Bidder to choose larger diameter for higher height)
4	Bottom base plate	Minimum base plate of size; 300MM x 300MM x 15 MM
5	Mounting facilities	To mount CCTV cameras, switch, etc.
6	Foundation	Casting of civil foundation with foundation bolts (J Bolt), to ensure vibration free erection (basic aim is to ensure that video feed quality is not impacted due to winds in different climatic conditions and also from vibration caused due to heavy vehicles on road).Successful bidder is to take the prior approval from customer for Foundation drawing.
7	Wiring	There should not be any exposed or hanging wire on arm and pole , Similarly underground wire reaching to pole should be fully covered and enter into pole from under the surface hole into the pole at the bottom .

7. Bill Of Materials

1. Mandi Samiti Category - A

Sno	Description		Bill of Qty	Compliance (Yes / No)
1	Camera	Bullet Camera (4MP) - 1/3" 4MP PS CMOS	30	
		ANPR Camera & Solutions	4	
		PTZ (2MP)	4	
2	NVR (32 Channel) -		2	
3	POE Switch (4 port)- Specifications Uplink Ethernet, supports MDI / MDIX, One key CCTV mode, 1-8 downlink, Power adaptor, All other specifications mentioned in tender docs)		16	
4	Joystick (specifications mentioned in tender) Keyboard & USB Optic Mouse		1	
5	Display 40 Inch - FHD / 4K		1	
6	Cables CAT 6		30 Bundles	
7	Hard Disk - 6TB		8	
8	Server Rakes 9U, 19"		1	
9	UPS (5 KVA with 2 hours battery backup)		1	
10	VMS Software - Licensed		1	
11	Power Cables & Camera Poles		as per requirement	
12	Manpower (10 Hrs Shift)		1	
13	Installation charges for entire project.			
14	AMC charges for 5 years from the date of go live .			

2. Mandi Samiti Category - B

Sno	Description		Bill of Qty	Compliance (Yes / No)
1	Camera	Bullet Camera (4MP) - 1/3" 4MP PS CMOS	30	
		ANPR Camera & Solutions	4	
		PTZ (2MP)	4	
2	NVR (32 Channel) -		2	
3	POE Switch (4 port)- Specifications Uplink Ethernet, supports MDI / MDIX, One key CCTV mode, 1-8 downlink, Power adaptor, All other specifications mentioned in tender docs)		16	

4	Joystick (specifications mentioned in tender) Keyboard & USB Optic Mouse	1	
5	Display 40 Inch - FHD / 4K	1	
6	Cables CAT 6	30 Bundles	
7	Hard Disk - 6TB	6	
8	Server Rakes 9U	1	
9	UPS (5 KVA with 2 hours battery backup)	1	
10	VMS Software - Licensed	1	
11	Power Cables & Camera Poles	as per requirement	
12	Manpower (10 Hrs Shift)	1	
13	Installation charges for entire project.		
14	AMC charges for 5 years from the date of go live .		

3. Mandi Samiti Category - C

Sno	Description	Bill of Qty	Compliance (Yes / No)
1	Bullet Camera (4MP) - 1/3" 4MP PS CMOS	20	
	ANPR Camera & Solutions	2	
	PTZ (2MP)	2	
2	NVR (32 Channel) -	1	
3	POE Switch (4 port)- Specifications Uplink Ethernet, supports MDI / MDIX, One key CCTV mode, 1-8 downlink, Power adaptor, All other specifications mentioned in tender docs)	16	
4	Joystick (specifications mentioned in tender) Keyboard & USB Optic Mouse	1	
5	Display 40 Inch - FHD / 4K	1	
6	Cables CAT 6	20 Bundles	
7	Hard Disk - 6TB	8	
8	Server Rakes 9U	1	
9	UPS (3 KVA with 2 hours battery backup)	1	
10	VMS Software - Licensed	1	
11	Power Cables & Camera Poles	as per requirement	
12	Manpower (10 Hrs Shift)	1	
13	Installation charges for entire project.		
14	AMC charges for 5 years from the date of go live .		

4. Mandi Samiti Category - D

Sno	Description	Bill of Qty	Compliance (Yes / No)
1	Camera	Bullet Camera (4MP) - 1/3" 4MP PS CMOS	15
		ANPR Camera & Solutions	4
		PTZ (2MP)	4
2	NVR (32 Channel) -	1	
3	POE Switch (4 port)- Specifications Uplink Ethernet, supports MDI / MDIX, One key CCTV mode, 1-8 downlink, Power adaptor, All other specifications mentioned in tender docs)	16	
4	Joystick (specifications mentioned in tender) Keyboard & USB Optic Mouse	1	
5	Display 40 Inch - FHD / 4K	1	
6	Cables CAT 6	20 Bundles	
7	Hard Disk - 6TB	8	
8	Server Rakes 9U	1	
9	UPS (3 KVA with 2 hours battery backup)	1	
10	VMS Software - Licensed	1	
11	Power Cables & Camera Poles	as per requirement	
12	Manpower (10 Hrs Shift)	1	
13	Installation charges for entire project.		
14	AMC charges for 5 years from the date of go live .		

Estimated Cost as per Category of Mandies for Installation/ Commissioning / Testing and Maintenance of CCTV camera.

No.	Category of Mandi	Estimated Cost of CCTV camera (Per Mandi)	Tender Document Fee (Per Mandi)	Earnest Money Deposit (Per Mandi)
1	A	Rs.28.53 Lakhs	Rs.2000/-	Rs.50,000/-
2	B	Rs.26.81 Lakhs	Rs.2000/-	Rs.50,000/-
3	C	Rs.19.68 Lakhs	Rs.2000/-	Rs.40,000/-
4	D	Rs.19.40 Lakhs	Rs.2000/-	Rs.40,000/-

SECTION - VIII

**THE EXECUTIVE ENGINEER, M.P. STATE AGRICULTURAL MARKETING BOARD,
TECHNICAL DIVISION (M.P.).**

DECLARATION

(On Rs. 100 / - Stamp Paper (Non Judicial Stamp))

To be executed by the Bidder attested by Notary Public and submitted in original

I / We declare:-

1. That I/We or any of my/our partner(s)/Director is/are neither working in any capacity in any units of M.P. State Agricultural Marketing Board (M.P.) nor removed/ dismissed from services of M.P. State Agricultural Marketing Board (M.P.)
2. That I/We or any of my/your partner's/Director relatives (as defined in note below) are neither employed in any capacity The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) or removed/dismisssed from service of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.)
3. That in case of change of partners/Director or change in construction of the firm/Company I/We shall abide by the conditions 1 and 2 above shall bring any change to the knowledge of The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) immediately.
4. i) That I / We shall intimate the name of persons who are working with me / us in any capacity or are subsequently employed by me/us .
ii) That none of my/our employees is a removed/dismisssed employee of any unit of either M.P. State Agricultural Marketing Board (M.P.) .

I _____ s/o _____ r/o _____ hereby certify that none of my relative(s) as defined in the tender document is/are employed in M.P. State Agricultural Marketing Board(M.P.) as per details given in the tender document. In case at any stage, it is found that the information given by me is false/incorrect, The Executive Engineer, M.P. State Agricultural Marketing Board, Technical Division (M.P.) shall have the absolute right to take any action as deemed fit without any prior intimation to me.

I/We am/are aware that any breach of the above conditions would render me/us to be removed from the approved list of contractors of SDC, along with cancellation of existing contractors and forfeiting of my/our Bid Security /Security Deposit.

STATION:

NAME OF THE BIDDER WITH SIGNATURE

AND CAPACITY IN WHICH HE IS SIGNING

Address of (Company/Partnership/Propriety firm):

Registration No:

PAN

GST:

Date:

NOTE:

- (i) The term "relatives" means,
- Member of a Hindu Undivided Family
 - Husband & Wife
 - Father, Mother, Sons & Son's wife (Daughter in Law), Daughter(s) & Daughter's Husband (Son in law), Brother's & Brother's Wife, Sister's &
- (ii) In case of proprietorship firm certificate will be given by the proprietor, for partnership firm certificate will be given by all the partners and in case of limited company by all the directors of the company / or authorized signature.

SECTION - IX
EXPERIENCE CERTIFICATE FORMAT

Certified that M/s _____ has provided IBMS and
Integrated CCTV System in the _____

(Name of Organization with address)

Satisfactorily for the period from _____ to _____ as per
the Work order No. _____ of dated _____.

1. Purchase Orders / Work Orders
2. Completion Certificates

Signature of Authorized Signatory

with Rubber Stamp

SECTION - X

Technical Bid

Technical Bid for Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance.

General Information & Eligibility Criteria

(Attested copies of Documents required to be submitted for establishing Bidders Eligibility and Qualifications.)

1	Name and Address of the Bidder	
2	Category of the Bidder (Whether Company, Partnership Firm or Proprietary Concern	
3	Name of Chief Executive Officer and Telephone No.	
4	GST No.	
5	Income Tax PAN/GIR No.	
6	PF Registration No.	
7	ESI Registration No.	
8	Yearly turnover of the last 3 years 2015-16 2014-15 2013-14 (Minimum average turnover of Rs. 5 Crores per year)	
9	Chartered Accountant's certificate/ ITR for verifying	

10	List of Major Clients and the size of orders executed	
11	Registered office or one of the branch offices of the bidder should be located in Bhopal	
12	Partnership Deed or proprietorship deed or articles/Memorandum of Association as the case may be	
13	Manpower proposed to be deployed for execution of work as per tender (Please specify the numbers)	
14	List of consumables proposed to be used with quantity/ make per month	
15	List of equipment proposed to be used for the work as per tender work requirements	

SECTION – XI

Financial Bid

Commercial bid for Supply Installation Testing and Commissioning of CCTV Surveillance SYSTEM at Krishi Upaj Mandi Samiti Distt.(M.P.) with an AMC for a period of five years which can be extendable further years according to the performance.

S.No	Description	Total Package amount in INR with Taxes (in Figures)	Total Package amount in INR with Taxes (in Words)
1	SITC of Total Package of CCTV Surveillance Systems (2 yrs warranty)		
2	AMC Charges for Next $(2+3) 5$ years 3		
	Total		

A Size MANDI (for 30 days recording)

Description

Camera
 Bullet Camera (4MP) -1/3" 4MP PS CMOS, 20fps@4MP, Resolutions - 2592 X 1520, Triple Streaming, WDR, 4mm Lens, IR Range - 50 Mtrs, Micro SD, POE, Mobile Software - Android, IOS, IVMS Software, (CE, FCC and UL Certified Camera), 24 Vac, POE (PSE required), , IP66 / IP67, RJ45 Ethernet, All IP protocols (will be mentioned in tender docs).
 PTZ (2MP) -Specifications
 1/2" 2MP, CMOS, Powerful 30X Zoom, Full HD (1920 X 1080), Triple Streaming, DWDR Back light compensations, 16 Pattern, 360 degree endless pan rotation, IP66 / IP67, IR Range - 150 Mtrs, Micro SD, POE, Mobile Software - Android, IOS, IVMS Software, (CE, FCC and UL Certified Camera), 24 Vac, POE (PSE required).
 ANPR Camera - Specifications
 Mega pixel camera (True day and night): All types of number plate's reflective type and standard type should be captured. Vehicle image also should be captured under all conditions. Image compression JPEG. Connectivity Ethernet. Camera should be minimum 1/2" 2MP total resolution, True day & night camera. Color images for day, monochrome images for night. CMOS Global shutter sensor. Minimum Horizontal resolution : 1280 pixels per lane. Exposure time maximum 1millisecond. Interface: 10/100 base T Ethernet. Lens: True Mega pixel or better, Day & night, IR corrected, lens. Motorized zoom, focus preferred for ANPR Application. IR LED: Pulsated IR Illuminators to be proposed. Infrared flash for image capture at night Synchronized flash with global shutter of camera Flash power should be sufficient to capture vehicle images also at night which can help ANPR Camera to capture retro reflective and non-reflective number plates. Alarm function. (with Lens, housing with 50 mtr IR and accessories)

32

- 2A NVR (64 Channel) - Same make as of CAMERA, 64 Channels, Global User Interface (GUI), Display Splits
- 3 POE Switch (4 port)- Specifications
- 4 Joystick (specifications mentioned in tender) Keyboard & USB Optic Mouse
- 5 Display 40 Inch - FHD / 4K
- 6 Cables CAT 6
- 7 Hard Disk - 6TB - 30 days backup
- 8 UPS (5 KVA) backup 2 hrs
- 9 VMS Software - Licensed
- 10 Manpower (8hrs)
- 11 Power Cables

Total Estimated Cost
Installations and Commissioning Cost
Total BOQ + GST
Maintenance Cost Yearly (only spares)
Total Budget

