



MP State Agriculture Marketing Board
26 "Kisan Bhavan" Jail Road, Arera Hills, Bhopal (M.P) 462011

B-7/2/CCTV AMC/CCTV /2019-20 / 2398

Bhopal Date- 07.12.2019

e-Tender Notice for Request for Proposal (RFP)

MP State Agriculture Marketing Board (Mandi Board) invites On-line Request for Proposal (RFP) for Selection of SI for Maintenance of CCTV systems in 200 APMCs of M.P. along with setting up Central Monitoring System in MPSAMB HO and replacement of Non working CCTV with accessories in 200 Mandis.

The Request for Proposal (RFP) document can be downloaded from the MP Mandi Board
Official web site www.mpsamb.co.in

The RFP submission will be online at <https://mptenders.gov.in> as per below schedule.

Tender fee Non-refundable cost of tender Form: Rs. 15000/- (Rs. Fifteen Thousand Only)

Bid Security/ (EMD): Rs. 2,50,000 (Rs. Two Lakhs Fifty Thousand Only)

Issue of Bidding RFP

07-12-2019

Pre-Bid Date

16-12-2019

Bid Submission [Date and Time]

27-12-2019 from 16:00 HRS

Submission of Supporting Documents in Physical Form 27-12-2019 up to 16:00 HRS [Bid Due Date]

at Authority's address given in RFP

28-12-2019 at 16:30 hours

Online Opening of Technical Bids

After Technical Evaluation

Opening of Financial Bid

Corrigendum if any Will be Given Only on <https://mptenders.gov.in>

For more details please visit website: www.mpsamb.co.in or the website of M.P. e-procurement <https://mptenders.gov.in>


Superintending Engineer

Request For Proposal (RFP)

Selection of System Integrator for

Request For Proposal for the Maintenance of CCTV Systems in 200 APMC's of MP along with setting up Central Monitoring System in MPSAMB HO and replacement of Non-working CCTV with accessories in 200 Mandi's



Issuing Authority :

Madhya Pradesh State Agriculture Marketing Board

26, Kisan Bhawan, Arera Hills,

Bhopal, M.P. - 462011

Phone: +91-755-2553429 / 4270498

Fax: +91-755-2553806

Website: <https://www.mpsamb.co.in>

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Disclaimer

The information contained in this Request for Proposal document ("**RFP Document**") or subsequently provided to Applicant(s), whether verbally or in documentary or in any other form, by or on behalf of Madhya Pradesh State Agriculture Marketing Board (hereafter referred to as "**Authority**") or any of its employees or advisors, is provided to the Applicant(s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided in writing.

This RFP document is intended to be and is hereby issued only to the prospective Applicants. The purpose of this RFP document is to provide the Applicant(s) with information to assist the formulation of their Proposals. This RFP document does not purport to contain all the information that each Applicant may require. This RFP document may not be appropriate for all persons, and it is not possible for the Authority, its employees or advisors to consider the investment objectives, financial situation and particular needs of each Applicant who reads or uses this RFP document. The assumptions, assessments, statements and information contained in the RFP document may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP document and where necessary obtain independent advice from appropriate sources. The Authority, its employees and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, adequacy, correctness, reliability or completeness of the RFP document.

Information provided in this RFP document to the Applicant(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP document and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP document or arising in any way for participation.

The Authority also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Applicant upon the statements contained in this RFP document.

The Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP document before the last date of bid submission.

The issue of this RFP document does not imply that the Authority is bound to select an Applicant or to appoint the selected Applicant or SI, as the case may be, for the Project and the Authority reserves the right to reject all or any of the Applicants or Bids without assigning any reason whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Applicant and the Authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

Section No. 1
Short Tender Notice

NIT No.:_2398

Dated:_07-12-19

This Corporation invites Online Tenders from the competent and eligible Agencies for Installation/commissioning of CCTV Cameras, including establishing integrated command and control system with maintenance of existing CCTV Camera's. The locations can be reduced or increased as per requirement. The cost of Bid document is **Rs.15,000.00 including GST (non-refundable)**. The Bid document will be available on <https://mptenders.gov.in> from **14.12.2019, 14:00** Hours onwards. Bid submission End date **27.11.2019**. The key dates can be seen on website of MP mandi Board <https://mpmandiboard.co.in> and <https://mptenders.gov.in>. The **EMD Rs. 2,50,000/-** should be

submitted through cash card, ATM Card of Internet Banking Account (Online). Scanned copy of EMD instrument should be uploaded online along with the reference details. For any further details/Revision/Amendments please visit <https://mptenders.gov.in> and <https://mpmandiboard.co.in>.

MP Mandi Board reserves the right to cancel/withdraw the "Request for Qualification" process without assigning any reason and shall bear no liability whatsoever consequent upon such a decision. EMD, Document Fee and Processing Fee will be exempted for companies registered under MSME in MP

Authorized Signatory

Notice Inviting Tender (NIT)

(Request For Proposal for Maintenance of CCTV Systems in 200 APMC's of MP along with setting up Central Monitoring System in MPSAMB HO and replacement of Non-working CCTV with accessories in 200 Mandi's)

NIT No.:__2398

Dated:07-12-19_

The date of submission and opening of bid is as below key dates:

Sl. No.	Description	Date & Time
1	Purchase/Sale of Tender Start Date	14/12/2019;
2	Prebid Meeting	18/12/2019; 3:00 PM
3	Purchase/Sale of Tender End Date:	27/12/2019; 5:00 PM
4	Last date of submission of bid	27/12/2019; 5:00PM
5	Submission of hard copy of E.M.D. and related document	27/12/2019; 1:00 PM
6	Open Tender Documents	28/12/2019;3:30 PM
7	Financial bid Opening	After Technical Evaluation

- All queries shall be entertained through email only:_____
- MP Mandi Board reserves the right to cancel/withdraw the "Request for Qualification" process without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.
- For any further details please visit <https://mptenders.gov.in> and <https://mpmandiboard.co.in>
- The Bids shall be valid for 365 days from the date of opening and shall be extended with mutual consent. Service for all the existing and new product will be under warranty for 3 years from date of agreement.

Authorized Signatory

Section No. 2

(Instructions to Bidders)

INSTRUCTIONS REGARDING E-TENDER PROCESS

1. The e-Tendering process for the project shall be conducted on the web portal <https://mptenders.gov.in>.
2. For participation in e-tendering, it is mandatory for prospective Applicants to get registered on website <https://mptenders.gov.in>. Therefore, it is advised to all prospective Applicants to get registration by making on line registration fees payment at the earliest.
3. Service and gateway charges if any shall be borne by the Applicants.
4. The Applicants are required to sign their bids online using Class– II & III Digital Signature Certificate.
5. For further information regarding issue of Digital Signature Certificate, the Applicants are requested to visit website <https://mptenders.gov.in>. Please note that it may take up to 7 to 10 working days for issue of Digital Signature Certificate. Department will not be responsible for delay in issue of Digital Signature Certificate.
6. If Applicants is going first time for e-tendering, then it is obligatory on the part of Applicants to fulfill all formalities such as registration, obtaining Digital Signature Certificate etc. well in advance.
7. Applicants are requested to visit our e-tendering website regularly for any clarification and / or due date extension.
8. The Authority shall not be responsible in any way for delay / difficulties / inaccessibility of the downloading facility from the website for any reason whatever.
9. For any type of clarification Applicants can / visit <https://mptenders.gov.in>
10. The Applicants who so ever is submitting the tender by his Digital Signature Certificate shall invariably upload the scanned copy of the authority letter as well as submit the copy of same in physical form with the offer of particular tender.
11. The Authority reserves the right to change any or all of the provisions of this Tender. Such changes will be displayed on web portal at corrigendum section of E-tender link.
12. Applicants are required to carefully read the documents and then submit documents, after affixing digital signature on each page of the documents as a token of acceptance, should be uploaded on the e-Tender portal.
13. Tenderers are expected to examine and go through all terms and conditions and instructions contained in these documents and ensure that all the information is furnished in the desired manner.
14. The Bids are invited under two stage e-Tendering systems in which tendering process will be completed in stages.

15. During preparation of the Technical Proposal (RFP), Applicant must sign all the documents through digital signature of an authorized signatory.

Scanned copies of all desired documents mentioned in Technical Proposal and EMD must be uploaded on website. Applicants must submit hard copies of complete technical Proposal including qualification criteria and related documents / technical literature duly attested along with proof of EMD. These documents must be dropped in e-Tender drop box placed at Madhya Pradesh State Agriculture Marketing Board, 26, Kisan Bhawan, Arera Hills, Bhopal, M.P. – 462011, Phone: +91-755-2553429 / 4270498, Fax: +91-755-2553806

16. Website: <https://www.mpmadboard.co.in> before Tender Due Date.

17. All documents uploaded on web site must be clear and readable. In case of any non-clarity of uploaded documents or any dispute over documents uploaded online in E-Tender, the hard copies submitted by the tender shall be treated final at 15.00 pm on 27-12-2019 tender online submission deadline in MPSAMB Head office, Bhopal.

18. Tenders are advised to upload their Bids well in time without waiting for last date of Bid submission in order to avoid congestion or any other unforeseen circumstances.

Please check the latest and applicable MP E-procurement guidelines on their website <https://mptenders.gov.in>.

Section 3

INVITATION FOR PROPOSAL

Name of the Work: Request For Proposal for **Maintenance of CCTV Systems in 200 APMC's of MP along with setting up Central Monitoring System in MPSAMB HO and replacement of Non-working CCTV with accessories in 200 Mandi's**

Applicant / Agencies are advised to study this RFP document carefully prior to submitting their bid / proposals in response to the RFP document. Submission of a proposal in response to this notice shall be deemed to have been done after a careful study and examination of this document with full understanding of its terms, conditions, implications and after assessment of the project viability.

The RFP document can be downloaded from Authority's website (<https://www.mpmmandiboard.co.in>) and Madhya Pradesh Government website (<https://mptenders.gov.in>). Towards the RFP document fee, the Applicant is required to deposit a Demand Draft of Rs.15,000 (Rupees Fifteen Thousand only) drawn in favour of "MP Mandi Board, Bhopal, Madhya Pradesh" payable at Bhopal with submission of bids from the office, details of which are given below :

Superintending Engineer
MP State Agriculture Marketing Board
26 "Kisan Bhavan"
Jail Road, Arera Hills,
Bhopal (M.P) 462011

All subsequent notifications, changes and amendments will be uploaded on the Madhya Pradesh Government website (<https://mptenders.gov.in>).

A two-envelope selection procedure shall be adopted as detailed in the RFP document.

Applicant (authorised signatory) shall submit its offer for preliminary qualification, technical and financial proposal e-procurement system. However, Tender Document Fees, and Earnest Money Deposit (EMD) should be deposited as per details provided in the bid document. The bid document complete in all respect is to be submitted on or before the time of last date of submission of bid through e- procurement system. Authority will not be responsible for delay in submission due to any reason.

Key Events and Dates

S. No.	Information	Details
1.	Advertising Date	07.12.2019

S. No.	Information	Details
2.	Purchase/Sale of Tender Start Date	14/12/2019
3.	Date, Time and Place of Pre-Bid conference	12:00 Noon on 18-12-2019at MP State Agriculture Marketing Board 26 "Kisan Bhavan" Jail Road,Arera Hills, Bhopal (M.P) 462011
4.	Release of response to clarifications would be available at	https://mptenders.gov.in
5.	Last date and time for submission of online and hard copy bids (Bid Due Date)	27.12.2019 upto 5:00 PM (Hard copy submission at : Office of the Superintending Engineer MP State Agriculture Marketing Board 26 "Kisan Bhavan" Jail Road, Arera Hills, Bhopal (M.P) 462011)
6.	Technical Bid Opening Date & Time	28.12.2019 at 5:00 PM
7.	Financial Bid Opening Date &Time	To be informed
8.	Address for communication and hard copy submission of documents / correspondence	Office of the Superintending Engineer MP State Agriculture Marketing Board 26 "Kisan Bhavan" Jail Road, Arera Hills, Bhopal (M.P) 462011
8.	Financial Bid Opening Date &Time	Will be open after Technical Bid

Other Important Information Related to Bid

S. No.	Item	Description
1	Earnest Money Deposit (EMD).	Rs.2.50 Lakhs (Rupees Two Lakhs Fifty Thousand only)
2	RFP document fee	Rs.15,000 (Rupees Fifteen Thousand Only)

S. No.	Item	Description
3	Bid Validity Period	One-hundred-and-eighty (120) days from the date of opening of Bids.
4	Last date for furnishing Performance Bank Guarantee to Authority [By preferred Applicant (viz. the SI)]	Within Fifteen (15) days of the date of issue of Letter of Acceptance (LOA).
6	Performance Bank Guarantee (PBG) validity period	PBG shall be valid till for 180 days beyond the term of the concession period of Nine years.
7	Last date for signing the Agreement	One month from the date of issue of Letter of Acceptance.

Section 4

OVERVIEW OF AUTHORITY

4.1 About Authority

1. In Madhya Pradesh, regulatory framework for agricultural marketing is unique and consists of two distinct set of measures. One of these is development and regulation of primary markets, popularly called "Regulated Markets" and the second set is the regulation of market through a series of legal instruments.
2. Regulation of primary markets was taken up as an institutional innovation and construction of well laid-out market yard was considered as an essential requirement of effective implementation of the regulation programme. As the programme was a developmental-cum-legal measure, it took considerable time to extend it to a wider scale. Berar Cotton and Grain Market Law, 1897 will be long remembered as the first law which provided the basis for the regulation of markets all over the country. Till 1950 there was no regulated market in the state. The then Government of Madhya Bharat passed the Madhya Bharat Agricultural Produce Market's Act in 1952, this was modelled mostly on the lines of Bombay Act. With the reorganisation of the state in 1956, more than one Act was operative simultaneously in different regions of the state. The programme got momentum after passing of the Madhya Pradesh Agricultural Markets Act, 1960 which came in force w.e.f. 15th October, 1960.
3. Further in accordance with the recommendations of the National Agriculture Commission, the M.P. State Agricultural Marketing Board i.e. MPSAMB (also known as Mandi Board) has come into existence w.e.f. 1973 under the provisions of M.P. Krishi Upaj Mandi Adhiniyam 1972.
4. 4.2 Scope of Work
5. 1. AMC shall include the CCTV repair / replacement of defective parts with the parts of equivalent or higher specification/Buy back and details of replacement should be provided to the authority. A standby arrangement is also mandatory in such cases.
- 6.
7. 2. The contractor/firm has to ensure uninterrupted recording of CCTV surveillance system covering all location and also setting up of Centralised Control and Command Centre at MPSAMB Head Quarter. It includes relocation of CCTV cameras and time to time check proper connectivity of surveillance system.
- 8.
9. 3. The firm shall also be responsible for deployment of necessary staff for regular visit once in a week for cleaning of all hardware using suitable cleaning material and supportive equipment. Preventive maintenance includes proper network cabling and to resolve the issues with respect to loose connections. A separate log book shall be maintained for preventive maintenance record and it should be signed by the officer-in-charge.
10. 4. If equipments cannot be repaired in the office premises and required to be taken to the workshop, this department will not make any payment towards cartage and the expense for the to and fro transportation of the machines will be borne by the firm concerned.
- 11.
12. 5. The equipment being taken to the workshop for repair would be at contractor/firm own risk and expenses. Any damage or loss caused to the equipment or their part due to negligence, mishandling shall be made good by the contractor/firm. In this case, the contractor/firm should make necessary inward and outward entries duly signed by the officer-in-charge.

4.3 OEM Qualification Criteria:

The OEM shall full fill the following Eligibility Criteria:

13. CCTV OEM should have direct presence/ directly registered in India since last 6 years (not as joint venture, partnership firms or through any other association). Documentary evidence such as copy of ROC to be submitted.
14. OEM should have direct Technical Support Centre (TSC) in India since last six years.
15. OEM should not be blacklisted or barred globally/ by any Ministry of Government of India or any of the Government / PSUs or any other government department at the time of bidding.
16. OEM should have valid factory license and its manufacturing process should be ISO 9001:2015 /ISO 14001:2004 or better certified. Documentary proof need to be attached along with the bid.
17. **CCTV camera & NVR should not be based on Chinese/Taiwanese brand.**
18. CCTV cameras & NVR for the project should be from the same OEM to ensure seamless Integration and single point of contact and ownership from the CCTV OEM.
19. CCTV Cameras & NVR must be UL/BIS & CE, FCC and RoHS certified.
20. There are / will no Trojans, viruses, worms, spyware or any malicious software offered or Software that will be developed.
21. All the CCTV cameras should ne ONVIF compliance to maintain the open/heterogeneous Environment and compliance should be latest standards i.e Profile S.
22. Each OEM of CCTV can authorize maximum 2 Nos. bidders/ system integrator.
23. OEM has to setup and run the centralised command and control system at respective Regional offices and Head office of MPSAMB along with deployment of necessary resources at Head Quarter.

Note:

1. In absence of any one of the above, the offer will be treated as non - responsive and Summarily rejected.
2. Relevant documents in support of the above criteria must be enclosed along with Technical Bid documents failing which the bid will liable to be rejected.
3. MP Mandi Board will invite the financial proposal only from success full bidders of technical bid.

The qualifying requirements data shall be enclosed with the technical bid only. The bidder Who do not qualify this criterion, will be disqualified immediately and their bids will not be considered.

- **Bidder to Inform**

The Bidder shall be deemed to have carefully examined the Terms & Conditions, Scope, Service Levels, Specifications, and Schedules of this RFP. If bidder has any doubts/clarifications as to the meaning of any portion of the Conditions or the specifications he shall, before the last date for Submission of Pre-Bid Queries, set forth the particulars thereof and submit them to Authority in writing in order that such doubt may be removed or clarifications are provided.

- **Document Comprising the Bid**

The Bid prepared by the Bidder shall comprise of the following documents

- a. **Bid Security/EMD and Bid Processing Fee:** The bid security of EMD of 2, 50,000 shall be payable on portal <https://mptenders.gov.in>.
- b. **Pre-qualification Bid:** In support of eligibility, a bidder must submit the Supporting documents to be submitted by bidder as per eligibility criteria.
- c. **Technical Bid:** The Technical Bid besides the other requirements of the RFP, shall comprise:
 - (1) Technical Bid Letter
 - (2) Technical Compliance Sheet
 - (3) OEM Authorization Letter
 - (4) Technical Datasheets
- d. **Financial Bid:** The Financial Bid, besides the other requirements of the RFP, shall contain only price bid.

- **Bid Preparation costs**

The Bidder shall bear all costs associated with the preparation and submission of its bid, for the purposes of clarification of the bid, if so desired by the Authority.

- **AMC and Buy-Back**

AMC for 200 APMC shall be given for the period of 3 years on yearly basis. Products not in working condition may be repaired, changed or purchased (As Buy Back) by the bidder after informing the local mandi.

Locations might increase or decrease as per authority's decision.

- **Pre-bid meeting & Clarification**

Any clarification regarding the RFP document and any other item related to this project can be submitted to Authority as per the submission mode and timelines mentioned in the Fact Sheet. The pre-bid queries should be submitted in excel sheet as per format given in RFP, along with name and details of the organization submitting the queries.

Authority shall not be responsible for ensuring that the bidders' queries have been received by them. Any requests for clarifications post the indicated date and time shall not be entertained by Authority. Bidders must submit their queries in excel sheet.

- **Responses to Pre -Bid Queries and Issue of Corrigendum**

Authority will organize a pre-bid conference and will respond to any request for clarification or

Modification of the bidding documents. Authority shall formally respond to the pre-bid queries after the pre-bid conference. No further clarifications shall be entertained after the date and time of submission of queries.

Authority does not undertake to answer all the queries that have been posed by the bidders. Any modifications of the RFP Documents, which may become necessary as a result of the Pre-Bid Conference, shall be made by Authority exclusively through a corrigendum. Any such corrigendum shall be deemed to be incorporated into this RFP. However, in case of any such amendment, the bid submission date may be extended at the discretion of Authority. Any corrigendum/notification issued by Authority, subsequent to issue of RFP, shall only be Available/hosted on the website URL mentioned in the fact sheet. Any such corrigendum shall be deemed to be incorporated into this RFP.

- **Bid Price**

Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of direct transaction between Authority and the Bidder.

Bidders shall quote for the entire scope of contract on a “overall responsibility” basis such that the total bid price covers Bidder’s all obligations mentioned in or to be reasonably inferred from the bidding documents in respect of providing the product/services.

Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account. A bid submitted with an adjustable price quotation shall be treated as nonresponsive and rejected.

- **Total Responsibility**

Bidder should issue a statement undertaking total responsibility for the defect free operation of the proposed solution.

- **Deviations and Exclusions**

Bids shall be submitted strictly in accordance with the requirements and terms & conditions of the RFP. The Bidder shall submit a No Deviation Certificate.

The bids with deviation(s) are liable for rejection.

- **Late Bids**

Late submission will not be entertained and will not be permitted by the e-Procurement Portal. The bids submitted by telex/telegram/fax/e-mail etc. shall not be considered. No correspondence will be entertained on this matter. Authority shall not be responsible for any non-receipt/non-delivery of the documents due to technical snag whatsoever at Bidder’s end. No further correspondence on the subject will be entertained.

Authority reserves the right to modify and amend any of the above -stipulated condition/criterion.

- **Right to Terminate the Process**

Authority may terminate the RFP process at any time and without assigning any reason. Authority makes no commitments, express or implied, that this process will result in a business transaction with anyone. This RFP does not constitute an offer by Authority.

- **Non-Conforming bids**

A bid may be construed as a non-conforming bids and ineligible for consideration:

- a. If it does not comply with the requirements of this RFP.
- b. If a bid does not follow the format requested in this RFP or does not appear to address the particular requirements of the solution.

- **Acceptance/Rejection of Bids**

- a. Authority reserves the right to reject in full or part, any or all bids without assigning any reason thereof. Authority reserves the right to assess the Bidder's capabilities and capacity. The decision of Authority shall be final and binding.
- b. Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested.

In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.

If there is any discrepancy in the commercial bid, it will be dealt as per the following:

- a. If, in the price structure quoted for the required goods/services/works, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the Quantity), the unit price shall prevail and the total price corrected accordingly.
- b. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- c. If there is a discrepancy between words and figures, the amount in words shall prevail.
- d. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target Date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of Authority, the bid is liable to be disqualified.

• **Technical Scoring and Evaluation Criteria:**

1. This is a Quality & Cost Based Selection (QCBS)
2. Technical Score (RTs) weightage 60%, while Financial Score (RFs), will be given 40% weightage.
3. For the purpose of arriving at Technical Score (Ts), the bid shall be evaluated against the Technical Parameters, with respective weightages, as given in RFP.
4. The Total Technical Score (Ts) will be calculated out of 100 Marks, and shall be evaluated as below:
5. The Bidders scoring marks less than the minimum qualifying marks as mentioned above shall be disqualified for Financial Bid Opening.
6. Minimum absolute technical score to qualify for commercial evaluation is 70 out of 100.

Sl. No.	Basic Requirement	Specific Requirement	Documents required
1.	General Requirement	Bidder should be established System Integrator/ Consortium and should have been engaged in SITC and O&M services of CCTV Projects.	Work Order/ Completion Certificates confirming area of activity should be enclosed along with the Technical bid.
2.	Bidder Entity	Consortium/ JV is allowed, one of the parties in the consortium/JV partner will be the prime/lead bidder. Any of the parties of the consortium /JV	Copy of the consortium/JV in case of consortium/JV, clearly specifying the role and area of specialization of the individual parties of

		partner or the Prime Bidder/ Lead Bidder may meet the technical and financial criteria. A consortium can consist of maximum 2 members.	consortium/JV, duly signed by Consortium/JV parties on Rs. 100 non-judicial stamp paper should be enclosed. Member to submit the audited financial statements for the last 3 financial years.
3.	Legal Entity	Any legal entity duly registered in India is allowed. In case of consortium/JV the Prime Bidder/ Lead Bidder should meet this criterion.	a. Certificates of Incorporation OR b. Registration Certificate.
4.	Turnover	In case of sole bidding: The Prime Bidder/Lead Bidder must have Avg annual turnover of at least Rs. 5 Crore during each of the last Three financial years as on 31.03.2019. In case of consortium: Any one member of the consortium must have an Avg annual turnover of at least 5crores.	Audited and Certified Balance Sheet and Profit/Loss Account for the last three Financial Years should be enclosed. CA Certificate be enclosed.
5	Technical Capability	The Bidder or any of the party of the consortium/ Technology Partner must have successfully completed, during last Five financial years as on 31.03.2019, at least the following numbers of CCTV Surveillance System of value specified herein: One Project of similar nature for not less than 200 multiple locations OR Two Project of similar nature for not less than 150 multiple locations OR Three projects of similar nature for not less than 100 locations	Copies of work order or contract agreement or the client certificates from client for satisfactory completion of project and Showing order value and cost to be uploaded.
6.	Certification	The OEM/ Bidder or consortium/JV should possess below Certifications at the time of bidding: ISO 9001:2015 /ISO 14001:2004	Certificates to be submitted.

- **Technical Evaluation Matrix**

The table below describes the Technical Evaluation criteria along with the weightages for each parameter. Technical Evaluation criteria is defined below:

Sl. No.	Capability	Criteria for Technical	Max
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		Evaluation	marks
1	Financial Capability	Annual Turnover of the bidder generated solely during each of the last three financial years,(FY 2016-17, 2017-2018,2018-2019) 1. Avg Turnover =>5crores: 7marks 2. Avg Turnover 10 Cr to 250 Cr: 15marks 3. Avg Turnover 20Cr and above: 25marks	25
2	Expertise and Experience	The bidder should have demonstrable expertise and experience in executing project with minimum value of I. >2 projects of 1.5 crores or 1 project of 5 crores: 10 marks ii.>3 projects of 1.5 crores or 1 project of 7.5 crores: 20 marks iii.More than 3 projects of 1.5 crores or 1 project of more than 10 crores: 30 marks	30
3	Experience of multi-location cctv projects	The bidder should have demonstrable expertise and experience in executing at multiple locations. 1. >100 Locations = 7 Marks 2. >200 Locations = 15 Marks 3. More than 250 locations = 25 marks	25
4	Experience for AMC of CCTV System in Multiple Locations	The bidder should have expertise and experience of Maintaining at multiple locations. 1. >100 Locations =5 Marks 2. >200 Locations = 10 Marks 3. More than 250 locations = 20 marks	20

4.4 Force Majeure

The SI or the Authority, as the case may be, shall be titled to suspend or excuse performance of its respective obligations under this RFP document to the extent that such performance is impeded by an event of force majeure (“Force Majeure”).

4.4.1 Force Majeure events

A Force Majeure event means any event or circumstance or a combination of events and circumstances referred to in this Clause, which may be classified as all or any of the following events:

i. Act of God, including earthquake, flood, inundation, landslide, exceptionally adverse weather conditions, storm, tempest, hurricane, cyclone, lightning, thunder, volcanic eruption, fire or other extreme atmospheric conditions;

ii. Radioactive contamination or ionizing radiation or biological contamination;

iii. A strike or strikes or other industrial action or blockade or embargo or any other form of civil disturbance (whether lawful or not), in each case affecting on a general basis the industry related to the affected Services and which is not attributable to any unreasonable action or inaction on the part of the SI or any of its Sub SIs or suppliers and the settlement of which is beyond the reasonable control of all such persons;

iv. general strikes, lockouts, boycotts, labor disruptions or any other industrial disturbances as the case may be not arising on account of the acts or omissions of the SI and which affect the timely implementation and continued operation of the Project;

v. An act of war (whether declared or undeclared), hostilities, invasion, armed conflict or act of foreign enemy, blockade, embargo, prolonged riot, insurrection, terrorist or military action, civil commotion or politically motivated sabotage, for a continuous period exceeding seven (7) days.

For the avoidance of doubt, it is clarified that any negligence in performance of Services which directly causes any breach of security like hacking aren't the forces of nature and hence wouldn't be qualified under the definition of "Force Majeure". In so far as applicable to the performance of Services, Service Provider will be solely responsible to complete the risk assessment and ensure implementation of adequate security hygiene, best practices, processes and technology to prevent any breach of security and any resulting liability therefrom (wherever applicable).

4.4.2 Notification procedure for Force Majeure

4.4.2.1 The affected Party shall notify the other Party of a Force Majeure event within seven (7) days of occurrence of such event. If the other Party disputes the claim for relief under Force Majeure it shall give the claiming Party written notice of such dispute within thirty (30) days of such notice. Such dispute shall be dealt with in accordance with the dispute resolution mechanism in accordance with Clause.

4.4.2.2 Upon cessation of the situation which led the Party claiming Force Majeure, the claiming Party shall within seven (7) days hereof notify the other Party in writing of the cessation and the Parties shall as soon as practicable thereafter continue performance of all obligations under this RFP document.

4.4.3 Allocation of costs arising out of Force Majeure

4.4.4 Upon the occurrence of any Force Majeure Event, the Parties shall bear their respective costs and no Party shall be required to pay to the other Party any costs thereof.

4.4.5 For the avoidance of doubt, Force Majeure Costs may include interest payments on debt, operation and maintenance expenses, any increase in the cost of the Services on account of inflation and all other costs directly attributable to the Force Majeure Event.

4.4.6 Save and except as expressly provided in this Clause, neither Party shall be liable in any manner whatsoever to the other Party in respect of any loss, damage, costs, expense, claims, demands and proceedings relating to or arising out of occurrence or existence of any Force Majeure Event or exercise of any right pursuant hereof.

4.4.7 Consultation and duty to mitigate

Except as otherwise provided in this Clause, the affected Party shall, at its own cost, take all steps reasonably required to remedy and mitigate the effects of the Force Majeure event and restore its ability to perform its obligations under this RFP document as soon as reasonably practicable. The Parties shall consult with each other to determine the reasonable measures to be implemented to minimise the losses of each Party resulting from the Force Majeure event. The affected Party shall keep the other Parties informed of its efforts to remedy the effect of the Force Majeure event and shall make reasonable efforts to mitigate such event on a continuous basis and shall provide written notice of the resumption of performance hereunder.

Definition of Force

4.5 DISPUTE RESOLUTION

4.5.1 Any disputes and or difference relating to this agreement or claims arising out of or relating to this agreement or breach, termination or the invalidity thereof or on any issue whether arising during the progress of the services or after the completion or abandonment thereof or any matter directly or indirectly connected with this agreement will be resolved through joint discussion of the authorised representatives of both the parties (Authority and SI). If the dispute is not resolved by joint discussion, then the matter will be referred for adjudication to a sole Arbitrator appointed by the Chairman, Authority on receipt of written notice / demand of appointment of Arbitrator from either party.

4.5.2 The award of the sole Arbitrator shall be final and binding on all the parties. The cost of Arbitration shall be borne by the respective parties equally. Arbitration proceedings will be held at premises of Authority, Bhopal only.

4.5.3 Rules governing Arbitration Proceedings: The Arbitration Proceedings shall be governed by Indian Arbitration and Conciliation Act 1996, as amended from time to time including provisions in force at the time the references made. During the pendency of arbitration proceedings and currency of the Concession Agreement, the SI shall continue to perform and make due payments to Authority as per the Concession Agreement.

Section No. 5

Performa & Annexure

Format of Performance Bank Guarantee (PBG)

WHEREAS M/s. (name of bidder), a company registered under act 1956 or registered under State/Central law having its registered office at (address of the bidder), (hereinafter referred to as “our constituent” ,which expression, unless excluded or repugnant to the context or meaning thereof, includes its successors and assignees), agreed to enter into a contract dated (Herein after, referred to as “Contract”) with you (Department Name) for supply Installation commissioning of

CCTV. We are aware of the fact that as per the terms of the contract, M/s. (name of bidder) is required to furnish an unconditional and irrevocable bank guarantee of amount 5% of (work order value) in favor of <Department Name> for an amount <<...>> and guarantee the due performance by our constituent as per the contract and do hereby agree and undertake to pay the amount due and payable under this bank guarantee,

as security against breach/ default of the said contract by our constituent.

In consideration of the fact that our constituent is our valued customer and the fact that he has entered into the said contract with you, we, (name and address of the bank), have agreed to issue this Performance Bank Guarantee. Therefore, we (name and address of the bank) here by unconditionally and irrevocably guarantee you as under:

In the event of our constituent committing any breach/default of the said contract, and which

Has not been rectified by him, we hereby agree to pay you forthwith on demand such sum/s not exceeding the sum of amount <<...>>), without any demur.

Notwithstanding anything to the contrary, as contained in the said contract, we agree that your decision as to whether our constituent has made any such default(s) / breach(es), as aforesaid and the amount or amounts to which you are entitled by reasons thereof, subject to the terms and conditions of the said contract, will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Performance Bank Guarantee, but will pay the same for the with on your demand without any protest or demur.

This PBG shall be remain valid during the entire engagement period 1 Year (i.e. 1 Year from start of contract period), subject to the terms and conditions in the said Contract.

We bind ourselves to pay the above said amount at any point of time from contract start until the completion of the period i.e. (1 Years)

We further agree that the termination of the said agreement, for reasons solely attributable tour constituent, virtually empowers you to demand for the payment of the above said amount under this guarantee and we would honor the same without demur.

We specifically confirm that no proof of any amount due to you under the contract is required to be provided to us in connection with any demand by you for payment under this guarantee other than your written demand.

Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been provided to us after the expiry of 48 hours from the time it is posted.

If it is necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent upon intimation to you.

This Performance Bank Guarantee shall not be affected by any change in the constitution of our constituent nor shall it be affected by any change in our constitution or by any amalgamation or absorption thereof or therewith or reconstruction or winding up, but will ensure to your benefit and be available to and be enforceable by you during the period from and including the date of issue of this guarantee through the period.

Notwithstanding anything contained hereinabove, our liability under this Performance Guarantee is restricted to amount <<.....>>), and shall continue to exist, subject to the terms and conditions contained herein, unless a written claim is lodged on us on or before the afore said date of expiry of this guarantee.

We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association/ Constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power/s and has/have full power/s to execute this guarantee under the Power of Attorney issued by the bank in your favor.

We further agree that the exercise of any of your rights against our constituent to enforce or for bear to enforce or any other indulgence or facility, extended to our constituent to carry out the contractual obligations as per the said Contract, would not release our liability under this guarantee and that your right against us shall remain in full force and effect, notwithstanding any arrangement that may be entered into between you and our constituent, during the entire currency of this guarantee. Notwithstanding anything contained herein, our liability under this Performance Bank Guarantee shall not exceed amount INR <<.....>>The PBG shall be remain valid during the entire contract period (1 Years) plus additional 6 Months (i.e. 1 Years and 6 Months from start of contract period) ; and We are liable to pay the guaranteed amount or part thereof under this Performance Bank Guarantee only if we receive a written claim or demand on or before(Date) i.e. 1 Years and 6 Months from start of contract period for supply Installation commissioning of CCTV. Any payment made hereunder shall be free and clear of and without deduction for or on account of taxes, levies, imports, charges, duties, fees, deductions or withholding of any nature imposts.

This guarantee shall be governed by and construed in accordance with the Indian Laws and we here by submit to the exclusive jurisdiction of courts of Justice in Bhopal (M.P) for the purpose of any suit or action or other proceedings arising out of this guarantee or the subject matter here of brought by you may not be enforced in or by such court.

Dated this Day 2019

Yours faithfully,

For and on behalf of the

Bank,

(Signature)

Designation

(Address of the Bank)

Note:

This guarantee will attract stamp duty as a security bond.

A duly certified copy of the requisite authority conferred on the official/s to execute the guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence.

Section 7

Annexure-A (Technical Bid Letter)

To

Dated: ___/___/_____

**The M.P. State Agriculture Marketing
Board,**

Madhya Pradesh

Sub: Request for Proposal (Tender document) FOREmpanelment of Vendor/ Agency / Contractor for CCTV Camera Installation & Support and Centralized Monitoring system (Including AMC of for one year and extendable up to two subsequent years on the basis of satisfactory services)

Dear Madam/Sir,

1. With reference to your request of NIT no. , Dated: I/we, have examined the bid documents and understood the contents, hereby submit my/our proposal for the aforesaid project. The proposal is unconditional and unqualified.
2. All information provided in the proposal and appendices is true and correct.
3. This statement is made for the express purpose of qualifying as a bidder for undertaking the Project.
4. I/We shall make available to the tendering authority for any additional information it may find necessary or require to supplement or authenticate the bid.
5. I/We acknowledge the right of tendering authority to reject our proposal without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
6. I/We declare that:
 - (i) I/We have examined and have no reservations to the tender Documents, including any addendum issued by the tendering authority.
 - (ii) I/We hereby certify that we have taken steps to ensure that, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
7. I/We declare that we are not a member of any other firm submitting a proposal for this project.
8. I/We certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
9. I/We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.
10. I/We further certify that no investigation by a regulatory authority is pending either against us or against our associates or against our CEO or any of our Directors.
11. In the event of my/ our being declared as the successful, I/We agree to enter into an agreement in accordance with the draft that has been provided to in the tender document. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
12. The fee has been quoted by me/us after taking into consideration all the terms and conditions Stated in the tender document.
13. I/We agree and understand that the Proposal is subject to the provisions of the tender document documents. In no case, I/We shall have any claim or right of whatsoever nature if the project is not awarded to me/us or our proposal is not opened.
14. I/We agree to keep this offer valid for 120 days from the proposal due date specified in the tender document.

I/We agree and undertake to abide by all the terms and conditions of the RFP document. In witness thereof, I/we submit this Proposal under and in accordance with the terms of the tender document.

Yours faithfully,

(Authorized signatory)

Name:

Designation:

Annexure-B (Bidder Company Profile)

Address & other details

Name, address & Telephone numbers of the Bidder	Status [Firm/Company/Others (specify)*]	Name(s) of the owner(s)/Director(s)*	Remarks, if any
		1. _____ 2. _____ 3. _____	

		4. _____	
		5. _____	

* attach attested copies of certificates & separate sheet duly signed wherever necessary

ii. Details of other branches/franchisees in M.P.

S.No.	Name & address of branch/franchisee with telephone number	Available resources with the branch/franchisee	Remarks, if any

@ attach attested copies of certificates & separate sheet duly signed wherever necessary

iii. Financial Status of Service Provider!

PAN & TAN of Service Provider	Details of Income-tax Returns for the last three years				
	F.Y. <input type="checkbox"/> Details <input type="checkbox"/>	2016-17	2017-18	2018-19	Remarks, if any
	Return Income				

! Enclose copies of assessment order and/or acknowledgement slips; attach P/L statement if return not filed so far

GST No.	

B.1 Experience Details

Sr. No.	Name & address of the Client where services have been/are being rendered	Period		Name & telephone number of the Client	Details of services offered	Cost of the project (in Rs.)
		From	To			
1					1. 2. 3.	

					4.	
					5.	
2					1.	
					2.	
					3.	
					4.	
					5.	
3					1.	
					2.	
					3.	
					4.	
					5.	
4					1.	
					2.	
					3.	
					4.	
					5.	
5					1.	
					2.	
					3.	
					4.	
					5.	

Attach separate sheet duly signed if necessary and attested copies of certificates/agreements

B.2 Details of available Resources/Facilities with the Service Provider

Sr. No.	Resources/Facilities	Status Yes/No	Details of devices with number/other details
1	Fully established lab with all necessary gadgets		
2	Availability of Hardware		
3	Availability of network devices		
4	Availability of electric devices such as UPS,CVT, Inverters etc.		
5	Availability of licensed packages		
6	Membership with reputed IT associations/organizations		
7	Authorization to use IT facilities of different vendors		
8	Authorized dealership of IT products		
9	Others (specify) ^		

^ Attach separate sheet duly signed, if required

Section No. 8

Technical Specifications

2MP IP Motorised Bullet Camera		
S.No	Parameters	Specifications
1	Image sensor	1/2.7" progressive scan CMOS

2	Min. illumination	0.001Lux @(F1.2,AGC ON), 0.008 Lux @(F1.4,AGC ON), 0 Lux with IR
3	IR Distance	up to 80-100 Mtr
4	Lens	5-50mm Motorised lens
5	Shutter Speed	Auto(1/3s-1/100000s Adjustable)
6	Other Features	BLC/HLC, Day&Night, 3D-DNR, Defog, White Balance, WDR (120dB), AGC
7	Privacy Masking	4 Zones
8	S/N ratio	≥60db
9	Corridor Mode	2 Modes
10	Anti-Flicker	Outdoor, 50Hz, 60Hz
11	Video compression	H.265/H.264/MJPEG
12	Frame Rate	Main Stream 1920*1080@1-25fps; Sub Stream 704*576@1-25fps, Third Stream 1280*720@1-15FPS Fourth Stream: 1080P@MJPEG
13	Video bit rate	Constant bit rate, variable bit rate (32kbps-16Mbps)
14	Audio compression	G.711A, G.711Mu, G.726
15	ROI	Support 4 Zones, Multi-stage level
16	SD card	Support Micro SD (SDHC /SDXC) card up to 256GB
17	Video Analytics	Audio Detection, Face Detection, Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Abandoned Object, Missing Object, Density detection, Object Counting, Loitering Detection, Retrograde detection, Crossing A Fence, Scene change detection, Color Cast Detection, Defocus detection
18	Network Storage	NAS (Support FTP), FTP
19	Alarm Trigger	Motion detection, tampering alarm, network disconnect , IP address conflict, storage exception
20	Protocols	IPv4,IPv6,TCP/IP, ICMP, ARP,HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS
21	General Function	User Authentication, Watermark, IP address filtering
22	System Compatibility	ONVIF (Profile S),ONVIF(profile G), ISAPI, CGI, PSIA
23	Ethernet	1 RJ45 10M/100M Ethernet port
24	Analog video output	1CH 1.0Vp-p complex video output
25	Audio	1 Audio Input ; 1 Audio Output, Support Two-Way Audio
26	Alarm	1 Alarm input; 1 Alarm output
27	Reset	Support
28	RS485	Support
29	Operating temperature	-40 °C ~ 70 °C Humidity 95% or less (non-condensing)
30	Ingress protection	IP67 Complaint, IP66 Certified: EN/IEC 60529
31	Vandal protection	IK10 , IEC 62262:2002, IS 9000-7-7:2006
32	Power Supply	DC 12V ± 10%, PoE+
33	Product Certification	Safety: CE, FCC, EN:60950-1, IS 13252 (Part 1): 2010, BIS Registered, IEC 60950-1:2005 Immunity: CE, FCC

34	MAC address of camera should be registered in the name of OEM supplying the cameras.
35	“Due to security reasons, products manufactured by the adversary countries or having their origin from those countries are not to be quoted”. Declaration on OEM/Bidder letter head needs to be submitted
36	OEM should not be blacklisted globally or in India for security Concerns

2MP Fixed IP Bullet Camera		
S.No	Parameters	Specifications
1	Image sensor	1/2.7" progressive scan CMOS
2	Min. illumination	0.001Lux @(F1.2,AGC ON), 0.008 Lux @(F1.4,AGC ON), 0 Lux with IR
3	Lens	3.6mm Angle of view: 83°
4	IR Distance	upto 30 Mtr,
5	Shutter Speed	Auto(1/3s-1/100000s Adjustable)
6	Other Features	BLC/HLC, Day&Night, 3D-DNR, Defog, White Balance, WDR (120dB), AGC
7	Privacy Masking	4 Zones
8	S/N ratio	≥60db
9	Anti-Flicker	Outdoor, 50Hz, 60Hz
10	Video compression	H.265/H.264/MJPEG
11	Frame Rate	Main Stream 1920*1080@1-25fps; Sub Stream 704*576@1-25fps, Third Stream 1280*720@1-15FPS Fourth Stream: 1080P@MJPEG
12	Audio compression	G.711A, G.711Mu, G.726
13	ROI	Support 4 Zones, Multi-stage level
14	Video Analytics	Audio Detection, Face Detection, Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Abandoned Object, Missing Object, Density detection, Object Counting, Loitering Detection, Retrograde detection, Crossing A Fence, Scene change detection, Color Cast Detection, Defocus detection
15	Network Storage	NAS (Support FTP), FTP
16	Alarm Trigger	Motion detection, tampering alarm, network disconnect , IP address conflict, storage exception
17	Protocols	IPv4,IPv6,TCP/IP, ICMP, ARP,HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS
18	General Function	User Authentication, Watermark, IP address filtering
19	System Compatibility	ONVIF (Profile S),ONVIF(Profile G), ISAPI, CGI, PSIA
20	Ethernet	1 RJ45 10M/100M Ethernet port
21	Analog video output	1CH 1.0Vp-p complex video output
22	Audio	1 Audio Input ; 1 Audio Output, Support Two-Way Audio
23	Alarm	1 Alarm input; 1 Alarm output
24	Reset	Support
25	RS485	Support
26	SD card	Support Micro SD (SDHC /SDXC) card up to 256GB
27	Operating temperature	-40 °C ~ 70 °C Humidity 95% or less (non-condensing)
28	Ingress protection	IP67 Complaint, IP66 Certified: EN/IEC 60529
29	Vandal protection	IK10 , Compliant
30	Power Supply	DC 12V ± 10%,PoE (802.3af, class 3)

31	Certification	Safety: CE, FCC, EN:60950-1, IS 13252 (Part 1): 2010, BIS Registered, IEC 60950-1:2005 Immunity: CE, FCC
32	MAC address of camera should be registered in the name of OEM supplying the cameras.	
33	“Due to security reasons, products manufactured by the adversary countries or having their origin from those countries are not to be quoted”. Declaration on OEM/Bidder letter head needs to be submitted	
34	OEM should not be blacklisted globally or in India for security Concerns	

2 MP Fixed IP Dome Camera		
S.No	Parameters	Specifications
1	Image sensor	1/2.7" progressive scan CMOS
2	Min. illumination	0.001Lux @(F1.2,AGC ON), 0.008 Lux @(F1.4,AGC ON), 0 Lux with IR
3	Lens	3.6mm Lens
4	Other Features	BLC/HLC, Day &Night, 3D-DNR, Defog, White Balance, WDR (120dB), AGC
5	Privacy Masking	4 Zones
6	S/N ratio	≥60db
7	Corridor Mode	2 Modes
8	Video compression	H.265/H.264/MJPEG
9	Frame Rate	Main Stream 1920*1080@1-25fps; Sub Stream 704*576@1-25fps, Third Stream 1280*720@1-15FPS Fourth Stream: 1080P@MJPEG
10	Audio compression	G.711A, G.711Mu, G.726
11	IR Distance	up to 30 Mtr
12	Shutter Speed	Auto(1/3s-1/100000s Adjustable)
13	ROI	4 Zones
14	Video Analytics	Audio Detection, Face Detection, Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Abandoned Object, Missing Object, Density detection, Object Counting, Loitering Detection, Retrograde detection, Crossing A Fence, Scene change detection, Color Cast Detection, Defocus detection
15	Network Storage	NAS (Support FTP), FTP
16	Alarm Trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception
17	Protocols	IPv4,IPv6,TCP/IP, ICMP, ARP,HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS
18	SD card	Support Micro SD (SDHC /SDXC) card up to 256GB
19	General Function	User Authentication, Watermark, IP address filtering
20	System Compatibility	ONVIF (Profile S),ONVIF(Profile G), ISAPI, CGI, PSIA
21	Ethernet	1 RJ45 10M/100M Ethernet port
22	Analog video output	1CH 1.0Vp-p complex video output
23	Audio	1 Audio Input, 1 Audio Output, Support Two-Way Audio
24	Alarm	1 Alarm input; 1 Alarm output
25	Reset	Support
26	RS485	Support
27	Operating temperature	-40 °C ~ 70 °C Humidity 95% or less (non-condensing)

28	Ingress protection	IP67 Complaint, IP66 Certified: EN/IEC 60529
29	Vandal protection	IK10 , IEC 62262:2002, IS 9000-7-7:2006
30	Power Supply	DC 12V \pm 10%,PoE (802.3af, class 3)
31	Certification	Safety: CE, FCC, IS/EN:60950-1, IS 13252 (Part 1): 2010, BIS Registered Immunity: FCC
32	MAC address of camera should be registered in the name of OEM supplying the cameras.	
33	“Due to security reasons, products manufactured by the adversary countries or having their origin from those countries are not to be quoted”. Declaration on OEM/Bidder letter head needs to be submitted	
34	OEM should not be blacklisted globally or in India for security Concerns	

16 Channel NVR, 2 SATA		
1	Operation System	Embedded Linux
2	Input Bandwidth	200Mbps
3	Output Bandwidth	200Mbps
4	IPC Input	16ch
5	CVBS Output	1ch,BNC Interface (1.0Vp-p,75ohms)
6	VGA	1ch,1920×1080,1280×1024,1280×720,1024×768 Selectable
7	HDMI	1CH- 3840×2160, 1920×1080,1280×1024, 1280×720, 1024×768 Selectable
8	Audio Output	1ch,RCA Interface(Line out,2Vpp,300ohms)
9	Audio Encode	G.711A
10	Audio Bit Rate	64Kbps
11	IP Channel Resolution	Main StreamUp to 3264x2448
12		Sub Stream : D1 MAX
13	Video Decode Standard	H.265+, H.265, H.264
15	Audio Decode Standard	G.711A, G726
16	Multi-channel Playback	16Ch
17	Playback Decoding	8ch 720P@30FPS or 4ch 1080P@30FPS
18	Search Mode	Time /Date, Alarm, MD, Face Detection, Intelligent Event Based and Exact Search (accurate to second) Search Mode
19	Voice Talk	1ch Voice Input,1CH Interface Line in,2Vpp,1Kohms)
20	Motion Detection	Each Channel Support 396 (22×18) Detection Area; Support Multi-level Sensitivity
21	Snapshot	Support Jpeg Snapshot
22	SATA Port	2
23	Maximum Capacity	10TB Per SATA Slot
24	Network Port	1 RJ45;10M/100M/1000M Suitable Ethernet Port
25	Interoperability	ONVIF 2.4, CGI Conformant
26	USB Port	2 USB 2.0 (1 on front panel, another on back panel)
27	Alarm Input	8ch Switch
28	Alarm Output	4ch Relay NO/NC
29	RS-485	1ch,Half-duplex
30	Operation Temperature	-10°C-- +55°C
31	Operation humidity	10%--90%
32	Certification	CE, FCC, EN:60950-1, IS 13252 (Part 1): 2010, BIS Registered

S.No	32 Channel NVR, 2 SATA	
1	Operation System	Embedded Linux
2	Input Bandwidth	200Mbps
3	Output Bandwidth	200Mbps
4	IPC Input	32ch
5	CVBS Output	1ch,BNC Interface (1.0Vp-p,75ohms)
6	VGA	1ch,1920×1080,1280×1024,1280×720,1024×768 Selectable
7	HDMI	1CH- 3840×2160, 1920×1080,1280×1024, 1280×720, 1024×768 Selectable
8	Audio Output	1ch,RCA Interface(Line out,2Vpp,300ohms)
9	Audio Encode	G.711A
10	Audio Bit Rate	64Kbps
11	IP Channel Resolution	Main StreamUp to 3264x2448
12		Sub Stream : D1 MAX
13	Video Decode Standard	H.265+, H.265, H.264
15	Audio Decode Standard	G.711A, G726
16	Multi-channel Playback	16Ch
17	Playback Decoding	8ch 720P@30FPS or 4ch 1080P@30FPS
18	Search Mode	Time /Date, Alarm, MD, Face Detection, Intelligent Event Based and Exact Search (accurate to second) Search Mode
19	Voice Talk	1ch Voice Input,1CH Interface Line in,2Vpp,1Kohms)
20	Motion Detection	Each Channel Support 396 (22×18) Detection Area; Support Multi-level Sensitivity
21	Snapshot	Support Jpeg Snapshot
22	SATA Port	2
23	Maximum Capacity	10TB Per SATA Slot
24	Network Port	1 RJ45;10M/100M/1000M Suitable Ethernet Port
25	Interoperability	ONVIF 2.4, CGI Conformant
26	USB Port	2 USB 2.0 (1 on front panel, another on back panel)
27	RS-485	1ch,Half-duplex
28	Operation Temperature	-10°C-- +55°C
29	Operation humidity	10%--90%
30	Certification	CE, FCC, EN:60950-1, IS 13252 (Part 1): 2010, BIS Registered

32" HD LED Monitor		
1	Color	Black
2	Display Resolution	1920 x 1080 full HD
3	Surface Treatment	Anti-Glair
4	Mount	Wall Mount
5	Displays Port	HDMI
6	Standards	UL/BIS/CE/FCC

55" HD LED Monitor		
1	Color	Black
2	Display Resolution	Ultra HD 3840 x 2160
3	Surface Treatment	Anti-Glair
4	Mount	Wall Mount// Table Standing
5	Displays Port	Internet, 1 USB Ports, 2 HDMI Ports
6	Standards	UL/BIS/CE/FCC
7	Power Supply (Voltage, Hz)	100~240Vac 50~60Hz

PoE Switch		
1	Number of Ports PoE with full duplex mode	4,8,16
2	Standards	IEEE802.3, IEEE802.3x, IEEE802.3af & IEEE802.3at
3	Vlan Support	Yes
4	Support CCTV mode	Toggle button

Desktop/Workstation/Server		
1	Operating System	Windows 10
2	Processor/CPU	Inter(R) Core -i7 & 3.4GHz or above
3	Graphics	Intel HD Graphics
4	Memory	16GB or above
5	Hard Drive	1TB
6	Network card	1Gbps or higher
7	Display Port	HDMI and VGA

24 Port POE L3 Switch	
1	<p>Interface: 24 10/100/1000 Mbps BASE-T port including 4 combo 10/100/1000 base T/SFF, and 4 10G SFP+ ports, redundant power supply and stacking cable</p> <p>Ports Standards: IEEE 802.3 10 BASE-T Ethernet(twisted pair copper), IEEE 802.3u 100 BASE-TX Fast Ethernet (twisted pair copper), IEEE 802.3 ab 1000 BASE-T Gigabit Ethernet (twisted pair copper), IEEE 802.3z Gigabit Ethernet (fibre)</p> <p>ANSI/IEEE 802.3, Auto Negotiation, IEEE 802.3x Flow Control, UL/CE/IC/FCC/ROHS II.</p> <p>Protocols: SNMP v1/v2/v3, IGMP v1/MLD V2, DHCP Safety Client/Non-Blocking Architecture of minimum 128 GBPS Backplane.</p>

24 Port POE L2 Switch	
1	<p>Interface: 24 10/100/1000 Mbps BASE-Tx POE, 2 10/100/1000 SFP, and 2X 10G SFP, POE Power: 193 Watt, should have minimum 92 Gbps switching capacity certification UL/CE/IC/FCC/ROHS II.</p> <p>Ports Standards: IEEE 802.3 10 BASE-T Ethernet(twisted pair copper), IEEE 802.3u 100 BASE-TX Fast Ethernet (twisted pair copper), IEEE 802.3 ab 1000 BASE-T Gigabit Ethernet (twisted pair copper), IEEE 802.3z Gigabit Ethernet (fibre) ANSI/IEEE 802.3, Auto Negotiation, IEEE 802.3x Flow Control.</p> <p>Protocols: SNMP v1/v2/v3, IGMP v1/MLD V2, DHCP Safety Client/Non-Blocking Architecture of minimum 128 GBPS Backplane.</p>

Section No. 9(Price Bid)

Sl. No.	Item Description	Qty	Rate	GST	Amount	Buy BACK (Non-Working)
1	Supply and Installation of 2 MP IP Bullet Camera with 5-50mm lens (ANPR)	Each				
2	ANPR Software	Each				
3	Supply and Installation of 2 MP IP Bullet Camera with 2.7-13.5mm lens	Each				
4	Supply and Installation of 2 MP IP Bullet Camera with 3.6mm lens	Each				
5	Supply and Installation of 2 MP IP Dome Camera with 3.6mm lens	Each				
6	Supply and Installation of 8 CH NVR with 2 SATA Slots					
7	Supply and Installation of 16 CH NVR with 2 SATA Slots	Each				
8	Supply and Installation of 32CH NVR with 2 SATA Slots	Each				
9	Supply and Installation of 32CH NVR with 8 SATA Slots	Each				
10	4 TB HDD	Each				
11	6 TB HDD	Each				
12	8 TB HDD	Each				
13	Supply and Installation of 4 Port POE Network Switch	Each				
14	Supply and Installation of 8 Port POE Network Switch	Each				
15	Supply and Installation of 16 Port POE Network Switch	Each				
16	Supply and Installation of 24 Port POE Network Switch L2	Each				
17	Supply and Installation of 24 Port POE Network Switch L3	Each				
18	Supply and Laying of Cat 6 Cable (Per Meter)	Each				
19	Supply and Laying of Power Cable (Per Meter)	Each				
20	Supply and Laying of OFC cable (Per Meter)	Each				
21	OFC Patch Cord	Each				
22	Cat 6 Patch Cord	Each				
23	UPS 1 KVA with 60 min Back up	Each				
24	UPS 2 KVA with 60 min Back up	Each				
25	6 U Rack	Each				
26	9 U Rack	Each				
27	12 U Rack	Each				
28	32" Monitor	Each				
29	55" Monitor	Each				
30	Server for ANPR	Each				
31	Media Converter	Each				
32	6 Port LIU fully loaded	Each				
33	12 Port LIU fully loaded	Each				
34	PVC Conduit (Per Meter)	Each				
35	HDPE Pipe (Per Meter)	Each				
36	Digging Charges (Per meter)	Each				
37	AMC Charges of Existing System for 1 st Year (Per Camera)	Each				
38	AMC Charges of Existing System for 2 nd Year (Per Camera)	Each				
39	AMC Charges of Existing System for 3 rd Year	Each				

(Per Camera)

Note: Net Price would be difference of Total Sale Price and the Buy Back Price.

1. Buy Back price should be inclusive of all taxes.