

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH



U.P. ELECTRONICS CORPORATION LIMITED,

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**REQUEST FOR PROPOSAL (RFP)
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AT UPIDR, LUCKNOW IN UTTAR PRADESH**

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| E-Bid REFERENCE | : | UPLCHW-2324-CCTV-UPIDR-15 |
| Bid Publish Date | : | 06-12-2023 from 13:00 Hours |
| Bid Submission Start Date | : | 06-12-2023 from 14:00 Hours |
| Clarification Start Date | : | 06-12-2023 from 13:00 Hours |
| Clarification End Date | : | 08-12-2023 from 17:00 Hours |
| Bid Submission End Date | : | 20-12-2023 from 17:00 Hours |
| Bid Opening Date | : | 21-12-2023 from 17:00 Hours |

ADDRESS FOR COMMUNICATION

Senior Manager (Hardware)

9721451204

U.P. Electronics Corporation Limited

10, Ashok Marg, Lucknow-226001

It will be the responsibility of the e-Bidders to check U.P. Government e-Procurement website <http://etender.up.nic.in> for any amendment through corrigendum in the e-tender document. In case of any amendment, e-Bidders will have to incorporate the amendments in their e-Bids accordingly.

e-Tender EMD: Rs. 90,000/- (Rupees Ninety Thousand Only) in the form of DD/ Bank Guarantee drawn on Nationalized/Scheduled Bank, payable in favor of U.P. Electronics Corporation Ltd, Lucknow.

e-Tender Document Processing Cost: 1,000/- +GST 18%

***Tender Fee & EMD Original Copy Deposit in UP Electronics Corporation Ltd, Before Opening the Bid.**

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

Table of Contents

| | |
|---|-----------|
| Table of Contents | 2 |
| e-Tender Notice | 4 |
| INVITATION FOR e-Bids | 5 |
| INSTRUCTIONS TO BIDDERS (ITB) | 6 |
| SECTION I : INSTRUCTIONS TO BIDDERS (ITB) | 7 |
| (A) THE BID DOCUMENT | 7 |
| 1. Cost of e-Bid..... | 7 |
| 2. Contents of e-Bid Document | 7 |
| 3. Clarification of e-Bid Document | 7 |
| 4. Amendment of e-Bid Document..... | 7 |
| (B) PREPARATION OF e-Bid | 8 |
| 5. Language of e-Bid | 8 |
| 6. Documents Constituting the e-Bid..... | 8 |
| 7. e-Bid Form | 8 |
| 8. e-Bid Price..... | 8 |
| 9. e-Bid Currencies..... | 9 |
| 10. Documents Establishing bidder’s Qualification | 9 |
| 11. Documents Establishing Goods’ Conformity to e-Bid Documents | 9 |
| 12. e-Bid Security/Earnest Money Deposit (EMD)..... | 9 |
| 13. Period of Validity of e-Bid | 10 |
| 14. Format and Signing of e-Bid | 10 |
| 15. Submission of e-Bid | 10 |
| 16. Deadline for Submission of e-Bid | 11 |
| 17. Late e-Bid | 11 |
| 18. Withdrawal and Resubmission of e-Bid | 12 |
| (C) e-Bid OPENING AND EVALUATION OF e-Bid | 12 |
| 19. Opening of Bids..... | 12 |
| 19.1 Opening of Technical e-Bid by the Purchaser | 12 |
| 19.2 Opening of Financial e-Bid | 12 |
| 20. Clarification of e-Bid..... | 13 |
| 21. Evaluation of technical e-Bid and Evaluation Criteria | 13 |
| 22. Financial Evaluation and Comparison..... | 14 |
| 23. Contacting the Purchaser | 14 |
| (D) AWARD OF CONTRACT | 15 |
| 24. Award Criteria | 15 |
| 25. Purchaser’s right to vary Quantities at the Time of Award | 15 |
| 26. Purchaser’s right to accept any e-Bid and to reject any or all e-Bids | 15 |
| 27. Notification of Award..... | 15 |
| 28. Signing of Contract..... | 15 |
| 29. Performance Security | 15 |
| Section-II : Conditions of Contract | 17 |
| 1. Definitions | 17 |
| 2. Application | 17 |
| 3. Standards | 17 |
| 4. Patent Rights..... | 17 |
| 5. Performance Security | 17 |
| 6. Inspection & Tests | 18 |
| 7. Packing | 19 |
| 8. Delivery and Documentation | 19 |
| 9. Insurance | 19 |
| 10. Transportation..... | 19 |
| 11. Incidental Services..... | 19 |
| 12. Spare Parts | 20 |
| 13. Warranty | 20 |
| 14. Maintenance service | 20 |
| 15. Payment | 21 |
| 16. Prices | 21 |
| 17. Change Orders | 21 |

REQUEST FOR PROPOSAL (RFP)
FOR

THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

| | | |
|---|---|-----------|
| 18. | Contract Amendments | 22 |
| 19. | Assignment | 22 |
| 20. | Delivery of the Goods and Delay in the Supplier's Performance | 22 |
| 21. | Liquidated Damages | 22 |
| 22. | Termination for Default | 22 |
| 23. | Force Majeure | 22 |
| 24. | Termination for Insolvency | 23 |
| 25. | Termination for Convenience | 23 |
| 26. | Settlement of Disputes | 23 |
| 27. | Limitation of Liability | 24 |
| 28. | Governing Language | 24 |
| 29. | Applicable Law | 24 |
| 30. | Notices | 24 |
| 30. | Taxes and Duties | 24 |
| 31. | Right to use defective equipment | 24 |
| 32. | Supplier Integrity | 24 |
| 33. | Supplier's Obligations | 25 |
| 34. | Patent Right | 25 |
| 35. | Site Preparation and Installation | 25 |
| 36. | Hardware and Software Installation | 25 |
| 37. | Hardware and software Maintenance | 25 |
| 38. | Technical Documentation | 25 |
| 39. | Transfer of the Rights of the Purchaser | 25 |
| SECTION III : TECHNICAL E-BID FORM | | 27 |
| SECTION III (A): e-Bid FORM | | 28 |
| SECTION III (B) : SCHEDULE OF REQUIREMENTS | | 29 |
| SECTION III (C): TECHNICAL SPECIFICATION..... | | 30 |
| SECTION III(D) : BID SECURITY FORM..... | | 52 |
| SECTION III(E) : CONTRACT FORM | | 53 |
| SECTION III(F): PERFORMANCE STATEMENT FORM..... | | 55 |
| SECTION III(G): SERVICE SUPPORT DETAILS..... | | 56 |
| SECTION III (H): CAPABILITY STATEMENT (CS) | | 57 |
| SECTION III (I): PERFORMANCE SECURITY FORM..... | | 60 |
| SECTION- III (J)- BIDDER ELIGIBILITY CRITERIA | | 61 |
| SECTION-IV : PRICE SCHEDULE | | 65 |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

e-Tender Notice

Online e-bids are invited only from reputed Organization dealing with Supply and Installation of Computer hardware and related items, who have been authorized by OEM to participate in this Tender on **20-12-2023 up to 17:00 Hours**, shall be opened on **21-12-2023 at 17:00 Hours**. The e-tender document processing/Cost is **Rs. 1,000/- (Rupees One Thousand One only)+GST@18%** in the form of DD/Banker Cheque in favor of U.P. Electronics Corporation Limited, Lucknow and **EMD Rs 90,000/- (Rupees Ninety Thousand Only)** in the form of DD /Bank Guarantee drawn on Nationalized/Scheduled Bank, in favor of U.P. Electronics Corporation Limited, Lucknow. The details for submission of e-bids will be available in the e-tender document on the UP Government. E-Procurement website <http://etender.up.nic.in> or Corporation's website www.uplc.in as mention in the Cover page. The Corporation reserves the right to cancel any or all the e-Bids/annul e-Bidding process without assigning any reason and decision of Corporation will be final and binding.

MANAGING DIRECTOR

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

INVITATION FOR e-Bids

This invitation for e-Bids is for **THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR, LUCKNOW IN UTTAR PRADESH.**

1. Bidders are advised to study the tender Document carefully. Submission of e-Bid against this tender shall be deemed to have been done after careful study and examination of the procedures, terms and conditions of the tender Document with full understanding of its implications.
2. The e-Bid prepared in accordance with the procedures enumerated in ITB Clause 15 of Section-I should be submitted through e-Procurement website <http://etender.up.nic.in>.
3. **The tender document is available at e-Procurement website <http://etender.up.nic.in> and Corporation's website www.uplc.in. Interested bidders may view, download the e-Bid document, seek clarification and submit their e-Bid online as per the date and time mentioned page number 01.**
4. The bidders need to submit the proof/cost of e-Bid document/processing fee as stated in the above table in the Purchaser's office or through Online e-Tender portal in favor of U.P. Electronics Corporation Ltd (herein after referred as UPLC/Purchaser) payable at Lucknow. The scanned copy of the Receipt of Online payment through e-Tender portal must be enclosed / uploaded along with the e-Bids.
5. It is not necessary for a Bidder to quote all schedules of Bid. But if bidder is quoting any schedule, it is must to quote all items for that schedule. The bids of bidders who will not quote for all the items in any schedule in technical shall be rejected.
6. The e-Bids will be electronically opened in the presence of bidder's representatives, who choose to attend at the venue, date and time mentioned in the above table. An authority letter of bidder's/OEM representative will be required to be produced.
7. The Corporation reserves the right to cancel any or all the e-Bids/annul the e-Bid process without assigning any reason thereof. The decision of Corporation will be final and binding.
8. In the event of date specified for e-Bids opening being declared a holiday for Corporation's office then the due date for opening of e-Bids shall be the following working day at the appointed time and place.
09. All the required documents including Price Schedule should be uploaded by the e-Bidder electronically in the PDF format. The required electronic documents for each document label of Technical (Fee details, Qualification details, e-Bid Form and Technical Specification details) schedules/packets can be clubbed together to make single different files for each label.
10. The companies/firms who are registered at e-Procurement portal for e-tendering with U.P. Electronics Corporation Ltd. (UPLC), 10, Ashok Marg, Lucknow (UP) would only be eligible for participating in this e-tender as well as in e-tendering system of U.P. Govt. departments. All companies/firms who have not registered themselves with UPLC for e-tendering till date can get their registration done by depositing a filled in form issued by UPLC along with registration fee of Rs 6000.00 (Rupees Six thousand only) for participating in this e-tender and other e-tenders of U.P. Govt. departments. The companies/firms, who are not having digital signature, can also get their digital signature on deposit of processing fees of Rs 1708.00 (Rupees One Thousand Seven hundred eight only). The companies/firms may contact the officials on phone numbers 0522-2286809, 0522-2288750 (O) 0522-4130303 (Extension: 303, 304 & 307), for their Registration/Digital Signature Certificate related queries.
11. Most of the departments for which UPLC is asking bids in this tender have not provided cost of equipment/materials in advance to UPLC. They have informed that they will provide the money only after successful delivery and installation of ordered items, hence UPLC shall pay the amount against delivery and installation against the ordered items to successful bidders only after same is received by UPLC from the concerned department. The Bank Guarantee worth 05% of the equipment/material value for the entire Warranty Period shall also require to be submitted with UPLC/Client Department.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION I :

INSTRUCTIONS TO BIDDERS (ITB)

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION I : INSTRUCTIONS TO BIDDERS (ITB)

(A) THE BID DOCUMENT

1. Cost of e-Bid

- a) The bidder shall bear all costs associated with the preparation and submission of its e-Bid and U.P. Electronics Corporation Ltd, Lucknow hereinafter referred to as "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the e-Bid process.
- b) This tender document is available on the web site <http://etender.up.nic.in> and Corporation's website www.uplc.in to enable the bidders to view, download the e-Bid document and submits e-Bids online up to the last date and time mentioned in e-Tender notice/e-tender document against this e-Tender. The bidders shall have to pay e-Tender document fee of **Rs. 1000.00 + GST@18% (Rupees One thousand Only) and EMD Rs. 90,000/- (Rupees Ninety Thousand Only)** in the form of DD/ Bank Guarantee drawn on Nationalized /Scheduled Bank, payable in favor of U.P. Electronics Corporation Ltd, Lucknow. The scanned copy of the Tender FEE & EMD enclosed along with the e-Bid. This e-tender document fee is non-refundable and EMD will be refundable.

2. Contents of e-Bid Document

- 2.1 The goods required to be supplied; e-Bid procedure and contract terms and conditions are prescribed in the e-Bid document. The e-Bid document includes:
 - (a) Invitation for e-Bid
 - (b) Section I : Instruction to bidders (ITB);
 - (c) Section II : Conditions of Contract (CC);
 - (d) Section III: Technical e-Bid;
 - (e) Section IV: Financial e-Bid;
- 2.2 The bidder is expected to examine all instructions, forms, terms and specifications in the e-Bid document. Failure to furnish all information required as per the e-Bid document or submission of e-Bid not responsive to the e-Bid document in every respect will be at the bidder's risk and may result in rejection of the said e-Bid.

3. Clarification of e-Bid Document

A prospective bidder requiring any clarification of the e-Bid document may raise his/her point of clarification through Bid Management Window after successfully login to the e-Procurement website <http://etender.up.nic.in>. The bidder may seek clarification by posting query in the relevant window after clicking "Seek Clarification" option in the view e-tender details window for e-tender which can be selected through my tender option of e-Bid submission menu. The clarification will be replied back by the Purchaser through the e-Procurement website which can be read by the bidder through the "Clarification" option under Bid Submission menu. The Purchaser may also respond to clarifications raised by the prospective bidders on Purchaser's e-mail address

4. Amendment of e-Bid Document

- 4.1 At any time prior to the deadline for submission of e-Bid, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the e-Bid document by amendments. Such amendments shall be uploaded on the e-Procurement website <http://etender.up.nic.in> and Corporation's website www.uplc.in through corrigendum and shall form an integral part of e-Bid document. The relevant clauses of the e-Bid document shall be treated as amended accordingly.
- 4.2 It shall be the sole responsibility of the prospective bidders to check the web site <http://etender.up.nic.in> or Corporation's website www.uplc.in from time to time for any amendment in the e-tender document. In case of failure to get the amendments, if any, the Purchaser shall not be responsible for it.
- 4.3 In order to allow prospective e-Bidders a reasonable time to take the amendment into account in preparing their e-Bids, the Purchaser, at his discretion, may extend the deadline for the submission of e-Bids. Such extensions shall be uploaded on the e-Procurement website <http://etender.up.nic.in> and Corporation's website www.uplc.in

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

(B) PREPARATION OF e-Bid

5. Language of e-Bid

5.1 The e-Bid prepared by the bidder, as well as all correspondence and documents relating to the e-Bid exchanged by the bidder and the Purchaser shall be written either in English or Hindi language. The correspondence and documents in Hindi must be accompanied by embedded/separate Hindi font files. Only English numerals shall be used in the e-Bid.

6. Documents Constituting the e-Bid

6.1 The e-Bid prepared by the bidder shall comprise the following components:

(a) Technical e-Bid - Technical e-Bid will comprise of:

- (i) **Fee Details** – includes copies of e-tender document processing/Cost furnished in accordance with ITB Clause 12 in PDF format.
- (ii) **Qualification Details** – includes copies of required documents as per ITB Clauses 10 and 11 in PDF format justifying that the bidder is qualified to perform the contract if his/her bid is accepted and that the bidder has financial, technical and production capability necessary to perform the contract and meets the criteria outlined in the Qualification Requirement and Technical Specification and fulfill all the conditions of the Contract and that the goods and ancillary services to be supplied by the bidder conform to the e-Bid document and Technical Specifications.
- (iii) **e-Bid Form** – includes copy of filled in e-Bid Form as per Section-III(A) of e-tender document in PDF format justifying that the bidder is complying with all the conditions of the Contract and Technical Specifications of the e-Bid Document as no deviation will be acceptable to the Purchaser.
- (iv) **Technical Specification Details** – includes copy of filled in Technical Specifications as per Section-III(C) of e-tender document in PDF format.

Technical Bids (Tender Ref: _____) To be filled by bidder

(b) Financial e-Bid – Financial e-Bid will comprise of:

- (i) **e-Bid Form** – includes copy of filled in e-Bid Form as per Section-III (A) of e-tender document in PDF format.
- (ii) **Price Schedule/BOQ** – includes as per Section-III (B)

7. e-Bid Form

7.1 The bidder shall complete the e-Bid Form and the appropriate Price Schedule/BOQ furnished in the e-Bid document, including the goods to be supplied, their quantities and prices in the format given in the e-Bid document.

8. e-Bid Price

8.1 The bidder shall quote separately in the downloaded spread sheet file for Price Schedule/BOQ unit price (along with basic price, GST such as installation and onsite comprehensive warranty maintenance service charges, if any) of each item in the specified places for all the goods mentioned in Section III(C) of Technical Specifications. The unit prices quoted shall be with onsite comprehensive warranty as well as extended warranty as per period specified in column-3 of Section III(C) of Technical Specifications.

8.2 e-Bid price of each item indicated on the Price Schedule/ BOQ as mentioned in para 8.1 above, shall include all the cost till successful installation & commissioning at various places in Lucknow, U.P. for all the items specified in the schedule of requirement and onsite comprehensive warranty maintenance i.e.

- i- The price of goods (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable:
 - (a) on components and raw material used in the manufacture or assembly of goods quoted ex-works or ex-factory; or
 - (b) on the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse, or off-the-shelf.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

- ii- Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded.;
- iii- The price for inland transportation, insurance and other local costs incidental to delivery of the goods to their final destination.
- iv- The price of other incidental services listed in Clause 11 of the Conditions of Contract.

8.3 Prices quoted by the bidder shall be fixed during the bidder's performance of the Contract and not subject to variation on any account subject to ITB Clause 25.1. An e-Bid submitted with an adjustable price quotation unless asked for shall be treated as non-responsive and rejected.

9. e-Bid Currencies

Prices shall be quoted in Indian Rupees only.

10. Documents Establishing bidder's Qualification

10.1 Pursuant to ITB Clause 6, the bidder shall furnish, as part of its Technical e-Bid, documents establishing the bidder's qualification to perform the Contract if its e-Bid is accepted. The documentary evidence should be submitted by the bidder electronically in the PDF format.

10.2 The documentary evidence of bidder's qualification to perform the Contract of its e-Bid is accepted shall be as per Qualification Requirements specified in Section III (D) of e-tender document.

11. Documents Establishing Goods' Conformity to e-Bid Documents

11.1 Pursuant to ITB Clause 6, the bidder shall furnish, as part of its e-Bid, documents establishing the conformity to the e-Bid documents of all goods and services which the bidder proposes to supply under the contract. The documentary evidence should be in the PDF file format.

11.2 The documentary evidence of conformity of the goods and services to the e-Bid documents shall consist of:

- (a) The brochures /leaflets /document downloaded from the internet site of the OEM of the goods offered in support of the technical specifications asked in the e-tender.
- (b) The copies of the purchase deed of the office building/receipt of the rent paid/ transfer & posting orders of engineers/any other proof of placement to the satisfaction of Purchaser should be enclosed as a documentary evidence in support of their service centers to be mentioned in the e-Bid;
- (c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications;
- (d) A confirmation that, if the bidder offers systems and/or other software manufactured by another company, such software operates effectively on the system offered by the bidder; and the bidder is willing to accept responsibility for its successful operations.
- (e) A confirmation that the bidder is either the owner of intellectual Property Rights in the hardware and the software items offered, or that it has proper authorization from the owner to offer them. Willful misrepresentation of these facts shall lead to the cancellation of the e-Bid/ contract without prejudice of other remedies that the Purchaser may take.

12. e-Bid Security/Earnest Money Deposit (EMD)

12.1 Pursuant to ITB Clause 6, the bidder shall furnish, as part of its e-Bid, a required e-Bid security/EMD in the form of DD/Bank Guarantee drawn on Nationalized/Scheduled bank in favour of UP Electronics Corporation Ltd, Lucknow.

12.2 The e-Bid security is required to protect the Purchaser against the risk of bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 12.7.

12.3 The e-Bid security shall be in Indian Rupees and shall be in the following forms only: Submitted offline which shall payable in favour of U.P. Electronics Corporation Ltd at Lucknow.

12.4 Any e-Bid not secured in accordance with ITB Clauses 12.1 and 12.3 above shall be treated as non-responsive and rejected by the Purchaser.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

- 12.5 Unsuccessful bidder's e-Bid security will be returned upon the written request through cheque as promptly as possible after the expiration of the period of e-Bid validity prescribed by the Purchaser, pursuant to ITB Clause 13.
- 12.6 The successful bidder's e-Bid security will be returned upon the bidder signing the Contract, pursuant to ITB Clause 28, and furnishing the performance security, pursuant to ITB Clause 29.
- 12.7 The e-Bid security may be forfeited:
- (a) if a bidder (i) withdraws its e-Bid during the period of e-Bid validity specified by the bidder on the e-Bid Form; or (ii) does not accept the correction of errors pursuant to ITB Clause 22.2; or (iii) modifies its e-Bid price during the period of e-Bid validity specified by the bidder on the e-Bid form or
- (b) In case of a successful bidder, if the bidder fails:
- i- To sign the Contract with the Purchaser in accordance with ITB Clause 28; or
- ii- To furnish performance security in accordance with ITB Clause 29.

13. Period of Validity of e-Bid

- 13.1 e-Bid shall remain valid for 180 days after the date of e-Bid opening prescribed by the Purchaser, pursuant to ITB Clause 16. An e-Bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 13.2 In exceptional circumstances, the Purchaser may solicit the bidder's consent to an extension of the period of e-Bid validity. The request and the response thereto shall be made in writing. A bidder may refuse the request without forfeiting its e-Bid security. A bidder granting the request will not be required nor permitted to modify its e-Bid.

14. Format and Signing of e-Bid

- 14.1 The bidder shall prepare one electronic copy each of the Technical e-Bid and Financial e-Bid separately.
- 14.2 The e-Bid document shall be digitally signed, at the time of uploading, by the bidder or a person or persons duly authorized to bind the bidder to the Contract. The later authorization shall be indicated by a scanned copy of written power-of-attorney accompanying the e-Bid. All the pages/ documents of the e-Bid that are to be uploaded shall be digitally signed by the person authorized to sign the e-Bid.

15. Submission of e-Bid

The Bid Submission module of e-Procurement website <http://etender.up.nic.in> enables the bidders to submit the e-Bid online in response to this e-tender published by the Purchaser. Bid Submission can be done only from the Bid Submission start date and time till the Bid Submission end date and time given in the e-tender. Bidders should start the Bid Submission process well in advance so that they can submit their e-Bid in time. The bidders should submit their e-Bid considering the server time displayed in the e-Procurement website. This server time is the time by which the e-Bid submission activity will be allowed till the permissible time on the last/end date of submission indicated in the e-tender schedule. Once the e-Bid submission date and time is over, the bidders cannot submit their e-Bid. For delay in submission of e-Bid due to any reasons, the bidders shall only be held responsible.

The bidders have to follow the following instructions for submission of their e-Bid:

- 15.1 For participating in e-Bid through the e-tendering system, it is necessary for the bidders to be the registered users of the e-Procurement website <https://etender.up.nic.in>. The bidders must obtain a User Login Id and Password by registering themselves with U.P. Electronics Corporation Limited, Lucknow if they have not done so previously for registration. Refer to details given in Invitation for e-Bid Clause 11.
- 15.2 In addition to the normal registration, the bidder has to register with his/her **Digital Signature Certificate (DSC)** in the e-tendering system and subsequently he/she will be allowed to carry out his/her e-Bid submission activities. Registering the Digital Signature Certificate (DSC) is a one time activity. Before proceeding to register his/her DSC, the bidder should first log on to the e-tendering system using the User Login option on the home page with the Login Id and Password with which he/she has registered as per clause 15.1 above.

For successful registration of DSC on e-Procurement website <http://etender.up.nic.in> the bidder must ensure that he/she should possess Class-2/Class-3 DSC issued by any certifying authorities approved by Controller of Certifying Authorities, Government of India, as the e-Procurement website

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

<https://etender.up.nic.in> is presently accepting DSCs issued by these authorities only. The bidder can obtain User Login Id and perform DSC registration exercise as described in clauses 15.1 and 15.2 above even before e-Bid submission date starts. The Purchaser shall not be held responsible if the bidder tries to submit his/her e-Bid at the last moment before end date of submission but could not submit due to DSC registration problem.

- 15.3 The bidder can search for active tenders through "Search Active tenders" link, select a tender in which he/she is interested in and then move it to 'My Tenders' folder using the options available in the e-Bid Submission menu. After selecting and viewing the tender, for whom the bidder intends to e-Bid, from "My Tenders" folder, the bidder can place his/her e-Bid by clicking "Pay Offline" option available at the end of the view tender details form. Before this, the bidder should download the e-tender document and Price Schedule/Bill of Quantity (BOQ) and study them carefully. The bidder should keep all the documents ready as per the requirements of e-tender document in the PDF format except the Price Schedule/Bill of Quantity (BOQ) which should be in the XLS format (Excel sheet).
- 15.4 After clicking the 'Pay Offline' option, the bidder will be redirected to the Terms and Conditions page. The bidder should read the Terms & Conditions before proceeding to fill in the Tender Fee and EMD offline payment details. After entering and saving the Tender Fee and EMD details, the bidder should click "Encrypt & Upload" option given in the offline payment details form so that "Bid Document Preparation and Submission" window appears to upload the documents as per Technical (Fee details, Qualification details, e-Bid Form and Technical Specification details) and financial (e-Bid Form and Price Schedule/BOQ) schedules/packets given in the tender details. The details of the Demand Draft or any other accepted instrument which is to be physically sent in original before opening of technical e-Bid, should tally with the details available in the scanned copy and the data entered during e-Bid submission time otherwise the e-Bid submitted will not be accepted.
- 15.5 Next the bidder should upload the Technical e-Bid documents for Fee details (e-tender fee and EMD), Qualification details as per "ITB Clause 10 or 21", e-Bid Form as per "Section-III(A)" and Technical Specification details as per "Section-III(C):Technical Specifications" and Financial e-Bid documents as per "Section-IV(A):e-Bid Form" and "Section-IV(B):Price Schedule/BOQ" of e-tender document. Before uploading, the bidder has to select the relevant Digital Signature Certificate. He may be prompted to enter the Digital Signature Certificate password, if necessary. For uploading, the bidder should click "Browse" button against each document label in Technical and Financial schedules/packets and then upload the relevant PDF/XLS files already prepared and stored in the bidder's computer. The required documents for each document label of Technical (Fee details, Qualification details, e-Bid Form and Technical Specification details) and financial (e-Bid Form and Price Schedule/BOQ) schedules/packets can be clubbed together to make single different files for each label.
- 15.6 The bidder should click "Encrypt" next for successfully encrypting and uploading of required documents. During the above process, the e-Bid documents are digitally signed using the DSC of the bidder and then the documents are encrypted/locked electronically with the DSC's of the bid openers to ensure that the e-Bid documents are protected, stored and opened by concerned bid openers only.
- 15.7 After successful submission of e-Bid document, a page giving the summary of e-Bid submission will be displayed confirming end of e-Bid submission process. The bidder can take a printout of the bid summary using the "Print" option available in the window as an acknowledgement for future reference.
- 15.8 Purchaser reserves the right to cancel any or all e-Bids without assigning any reason.

16. Deadline for Submission of e-Bid

- 16.1 e-Bid (Technical) must be submitted by the bidders at e-Procurement website <https://etender.up.nic.in> not later than the time bid submission end date (as the server time displayed in the e-Procurement website).
- 16.2 The Purchaser may, at its discretion, extend this deadline for submission of e-Bid by amending the e-Bid document in accordance with ITB Clause 4, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

17. Late e-Bid

- 17.1 The server time indicated in the Bid Management window on the e-Procurement website <https://etender.up.nic.in> will be the time by which the e-Bid submission activity will be allowed till the permissible date and time scheduled in the e-tender. Once the e-Bid submission date and time is

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

over, the bidder cannot submit his/her e-Bid. Bidder has to start the Bid Submission well in advance so that the submission process passes off smoothly. The bidder will only be held responsible if his/her e-Bid is not submitted in time due to any of his/her problems/faults, for whatsoever reason, during e-Bid submission process.

18. Withdrawal and Resubmission of e-Bid

- 18.1 At any point of time, a bidder can withdraw his/her e-Bid submitted online before the bid submission end date and time. For withdrawing, the bidder should first log in using his/ her Login Id and Password and subsequently by his/her Digital Signature Certificate on the e-Procurement website <https://etender.up.nic.in>. The bidder should then select "My Bids" option in the Bid Submission menu. The page listing all the bids submitted by the bidder will be displayed. Click "View" to see the details of the e-Bid to be withdrawn. After selecting the "Bid Withdrawal" option, the bidder has to click "Yes" to the message "Do you want to withdraw this bid?" displayed in the Bid Information window for the selected bid. The bidder also has to enter the bid Withdrawing reasons and upload the letter giving the reasons for withdrawing before clicking the "Submit" button. The bidder has to confirm again by pressing "Ok" button before finally withdrawing his/her selected e-Bid.
- 18.2 The bidder has to request the Purchaser with a letter, attaching the proof of withdrawal and submission of e-Bid security/EMD in the office of Purchaser, to return back the e-Bid security/EMD as per the manual procedure, IF ANY.
- 18.3 No e-Bid may be withdrawn in the interval between the deadline for submission of e-Bids and the expiration of period of e-Bid validity. Withdrawal of an e-Bid during this interval may result in the bidder's forfeiture of his/her e-Bid security, pursuant to ITB Clause 12.7.
- 18.4 The bidder can re-submit his/her e-Bid as and when required till the e-Bid submission end date and time. The e-Bid submitted earlier will be replaced by the new one. The payment made by the bidder earlier will be used for revised e-Bid and the new e-Bid submission summary generated after the successful submission of the revised e-Bid will be considered for evaluation purposes. For resubmission, the bidder should first log in using his/her Login Id and Password and subsequently by his/her Digital Signature Certificate on the e-Procurement website <https://etender.up.nic.in>. The bidder should then select "My Bids" option in the Bid Submission menu. The page listing all the bids submitted by the bidder will be displayed. Click "View" to see the details of the e-Bid to be resubmitted. After selecting the "Bid Resubmission" option, click "Encrypt & Upload" to upload the revised e-Bid documents by following the methodology provided in clauses 15.4 to 15.7.
- 18.5 The bidders can submit their revised e-Bids as many times as possible by uploading their e-Bid documents within the scheduled date & time for submission of e-Bids.
- 18.6 No e-Bid can be resubmitted subsequently after the deadline for submission of e-Bids.

(C) e-Bid OPENING AND EVALUATION OF e-Bid

19. Opening of Bids

19.1 Opening of Technical e-Bid by the Purchaser

- i- The Purchaser will open all technical e-Bids, in the presence of bidders' representatives who choose to attend at UP Electronics Corporation Ltd, 10 Ashok Marg, Lucknow-226001. The bidder's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of e-Bid opening being declared a holiday for the Purchaser, the e-Bids shall be opened at the appointed time and place on the next working day.
- ii- The bidder's names and the presence or absence of requisite e-Bid security and such other details as the Purchaser at its discretion may consider appropriate, will be announced at the opening. The name of such bidders not meeting the Technical Specifications and qualification requirement shall be notified subsequently.
- iii- The Purchaser will prepare minutes of the e-Bid opening.

19.2 Opening of Financial e-Bid

- i- After evaluation of technical e-Bid, the Purchaser shall notify those bidders whose technical e-Bids were considered non-responsive to the Conditions of the Contract and not meeting the technical specifications and Qualification Requirements indicating that their financial e-Bids will not be opened. The Purchaser will simultaneously notify the bidders, whose technical e-Bids were considered acceptable to the Purchaser. The notification may be sent by letter, fax or by e-mail.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

ii- The financial e-Bids of technically qualified bidders shall be opened in the presence of bidders who choose to attend, and date for opening of financial bids will be communicated to the Technically Qualified Bidders subsequently after completion of technical bids evaluation. The name of bidders, Unit Price quoted for various items etc will be announced at the meeting.

iii- The Purchaser will prepare the minutes of the e-Bid opening.

20. Clarification of e-Bid

During evaluation of e-Bid, the Purchaser may, at its discretion, ask the bidder for a clarification of his/her e-Bid. The request for clarification and the response shall be in writing.

21. Evaluation of technical e-Bid and Evaluation Criteria

The Purchaser will examine the e-Bid to determine whether they are complete, whether they meet all the conditions of the Contract, whether required e-tender fee, e-Bid security and other required documents have been furnished, whether the documents have been properly digitally signed, and whether the e-Bids are generally in order. Any e-Bid or e-Bids not fulfilling these requirements shall be rejected.

21.1 The bidder should be a branded/Original Equipment Manufacturer (OEM) of Computer Hardware or their authorized dealer/distributor/supplier, which has been authorized by the OEM to participate in this e-tender.

21.2 The bidder/the Original Equipment Manufacturer of the **CCTV cameras** in the e-tender shall be in the business of installation and installation of the same make/brand of the **CCTV Cameras** since last three financial years. The e-Bids of the bidders not submitting duly signed & stamped evidence i.e. copies of purchase order and its satisfactory installation report of last three financial years regarding installation of **CCTV Cameras** e-Bid shall be rejected. The e-Bidders should also submit filled in Performa as per "Section III (F) - Performance Statement Form" in support of his/her experience.

21.3 All the items quoted should have minimum technical specifications given in the e-tender.

21.4 The bidder/OEM should have a Service center at Lucknow is essential. Details of Service Centers and information on service support facilities that would be provided during and after the warranty period should be given by the bidder as per Service Support Form given in Section-III (G) of this e-tender document. The e-Bids of the bidder/OEM who do not have at least One Service Support Centers in Lucknow, U.P. shall be rejected. The bidder whose e-Bid is accepted, shall also be bound to open their service centers/their service providers in all those revenue divisions/or adjacent revenue divisions for whom **CCTV Cameras** are being installed within two months from the date of issue of purchase order. Bidder shall submit an undertaking to the Purchaser to this effect.

21.5 The bidder should have given satisfactory warranty maintenance services of the **CCTV Cameras** products supplied by them and should submit supporting documents from its clients for the same.

21.6 The bidder should submit a notarized affidavit that the bidder's firm has not been black listed from any State/Central Government Departments/Organizations. The e-Bids of the black-listed bidders or those not submitting the required affidavit shall be rejected.

21.7 All e-Bids submitted shall also include the following:

(i) Filled in form as per Section III (H) - Capability Statement.

(ii) Certified Copies of relevant pages of following documents:

a- Memorandum and Article of Association showing objectives of the Company/firm and authority to sign the e-Bid/contract or delegate the power to others for signing the e-Bid/contract.

b. Place of registration.

c. The power-of-attorney authorizing the bidder to sign the e-Bid/contract.

d. PAN certificate of the company/firm.

e. GST registration certificate of the company/firm.

The e-Bids of the bidders not submitting certified copies of documents mentioned in clause 21.8 (ii) above shall be rejected.

21.8 The bids of the bidders not quoting all the items of a schedule of the tender may be rejected. It is not necessary for a Bidder to quote all schedules of Bid. But if bidder is quoting any schedule, it is must to

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

quote all items for that schedule. Bidders must quote for all the items in a schedule in the technical bid and in the price schedule/BOQ of financial bid. The bids of bidders who will not quote for all the items in any schedule in technical and financial bids shall be rejected.

- 21.9 The e-Bids found to be not responsive to and not fulfilling all the conditions of the contract and not meeting Technical Specifications and Qualification Requirements to the satisfaction of Purchaser shall be rejected and may not subsequently be made responsive by the bidder by correction of the non-conformity. The e-Bids of bidders mentioning any of their conditions which are not mentioned in the e-tender document or are not in conformity with the conditions of the contract shall be rejected.
- 21.10 It shall be the discretion of the Purchaser to decide as to whether an e-Bid fulfils the evaluation criterion mentioned in this e-tender or not.
- 21.11 The bidders are advised not to mix financial bid documents with the PDF documents submitted for technical bid. The e-Bids of the bidders having financial bid document in the technical bid will out rightly are rejected.
- 21.12 Uttar Pradesh State Unit manufacturer bidders seeking purchase preference/price preference for their manufactured quoted goods as per the G.O. 706/18-5-2003-9(S.P.)/95, dated 11 June 2003 and 1261/18-5-2006-9(S.P.)/95 dated 22 September 2006 of Small Industries Department, Govt. of Uttar Pradesh shall have to submit the evidence that their quoted goods have been manufactured by them in a manufacturing unit in Uttar Pradesh. The bidder should also submit proof that its manufacturing unit falls into small/medium/large scale industry unit as per Govt. norms

22 Financial Evaluation and Comparison

- 22.1 The Purchaser will evaluate and compare the financial rates of individual items quoted in the price schedule/BOQ of e-Bids of those bidders whose technical e-Bids are found responsive as per the conditions of the e-tender only for those items of the bidders which have been technically accepted by the Purchaser.
- 22.2 No additional payments shall be made for completion of any contractual obligation beyond the quoted prices. If the supplier does not accept the correction of errors if any, its e-Bid shall be rejected and its e-Bid security may be forfeited.
- 22.3 No weightage/preference shall be given to the bidder quoting any higher technical specifications against the technical specifications of the items asked in the e-tender.
- 22.4 The Purchaser's evaluation of a Financial bid shall be based on lowest rate quoted excluding GST by the bidder including the cost of equipment – preloaded with software as indicated in the technical specification (Ex-factory/ex-warehouse/off-the-shelf price of the goods offered from within India, such price to include all costs as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods, and Excise duty on the finished goods, if payable) and price of incidental services and the cost of inland transportation, insurance and other costs within India incidental to the delivery of the goods to their final destination as mentioned in para 8.2 of ITB.
- 22.5 Uttar Pradesh State Unit manufacturer bidders will be given purchase preference/price preference for their manufactured quoted goods as per the G.O. 706/18-5-2003-9(S.P.)/95, dated 11 June 2003 and 1261/18-5-2006-9(S.P.)/95 dated 22 September 2006 of Small Industries Department, Govt. of Uttar Pradesh.
- 22.6 Evaluation for bids shall be done total lowest bid price (excluding GST) received for all items for that schedule.
- 22.7 The bidders whose technical bids would be found responsive and meeting the qualification requirements and fulfilling all conditions of the tenders, shall be considered for those items which would be technically accepted by the purchaser and whose schedule-wise bid price quoted are lowest in the bids.

23 Contacting the Purchaser

- 23.1 Subject to ITB Clause 20, no bidder shall contact the Purchaser on any matter relating to his/her e-Bid, from the time of the e-Bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the Purchaser, he/she can do so in writing.
- 23.2 Any effort by a bidder to influence the Purchaser in its decisions on e-Bid evaluation, e-Bid comparison or contract award may result in rejection of the bidder's e-Bid.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

(D) AWARD OF CONTRACT

24 Award Criteria

- 24.1 The Purchaser will determine to its satisfaction whether the bidder(s) that is selected as having submitted the lowest evaluated responsive bid meets the criteria specified in ITB Clause 10.2, and is qualified to perform the contract satisfactorily.
- 24.2 Subject to ITB Clause 26, the Purchaser will award the contract to the lowest evaluated successful Bidder whose bid has been determined to be responsive to all the conditions of the contract and meeting the technical specification and qualification requirement of the Bidding Document.

25 Purchaser's right to vary Quantities at the Time of Award

- 25.1 The Purchaser reserves the right at the time of Contract award to increase up to 50% or decrease as per requirement of client department(s) the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions, depending upon the requirement of end-customer.
- 25.2 If any taxes/duties are increased/ decreased by the Government during the contract period, the same shall be adjusted mutually after submitting the proof by the successful bidder to the Purchaser.

26 Purchaser's right to accept any e-Bid and to reject any or all e-Bids

- 26.1 The Purchaser reserves the right to accept or reject any e-Bid, and to annul the e-Bid process and reject all e-Bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.

27 Notification of Award

- 27.1 Prior to the expiration of the period of e-Bid validity, the Purchaser will notify the successful bidder in writing by letter/e-mail/fax, that its e-Bid has been accepted.
- 27.2 The notification of award will constitute the formation of the Contract.
- 27.3 Upon successful bidder's furnishing of performance security pursuant to ITB Clause 29, the Purchaser will promptly return e-Bid security pursuant to ITB Clause 12.

28 Signing of Contract

- 28.1 At the same time as the Purchaser notifies the successful bidder that its e-Bid has been accepted, the Purchaser will send the bidder the Contract Form provided in the e-Bid document, incorporating all conditions of the agreement between the parties i.e. Purchaser and successful bidder.
- 28.2 Within 7 days of receipt of the Contract Form, the successful bidder shall execute, sign and date the Contract and return it to the Purchaser.

29 Performance Security

- 29.1 Within 7 (Seven) days of the execution of the contract with the Purchaser, the successful bidder shall furnish a performance security in the form of bank guarantee for **05%** amount of order value in favour of concerned department, if required, which would be valid for the period of warranty obligation from State Bank of India or its associate banks or any nationalized Bank of India or scheduled bank located in India in favour of the purchaser, in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding document or in another form acceptable to the purchaser.
- 29.2 In some cases for small amount orders, where the concerned department has not asked for the Bank Guarantee in its favour, UPLC may ask the successful bidder to submit performance security in favour of UP Electronics Corporation Ltd.
- 29.3 Failure of the successful bidder to comply with the requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the e-Bid security, in which event the Purchaser may make the award to the next lowest evaluated bidder or call for new e-Bids.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION-II

CONDITIONS OF CONTRACT

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

Section-II: Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted:

- a- "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
- b- "The Contract rates" mean the prices of various items payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- c- "The Goods" means all the equipment, machinery and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
- d- "Services" means services ancillary to the supply of the Goods, such as transportation and insurance and any other incidental services, such as installation, provision of technical assistance and other obligations of the Supplier covered under the Contract;
- e- "The Purchaser" means the organization purchasing the goods and the Purchaser is U.P. Electronics Corporation Ltd., 10, Ashok Marg, Lucknow-226001
- f- "The Supplier" means the individual or firm supplying the Goods and Services under this Contract for the period of one year and supplier is -----;
- G- "The Project Site", where applicable, mean's the Departments/Institutions of State government located in different cities of U.P., where the computer hardware and other items will be supplied against the purchase orders of the Purchaser.
- h- "Day" means calendar day.

2. Application

These Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications or the higher and when no applicable standard is mentioned; the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned O.E.M. of goods.

4. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

5. Performance Security

5.1 Within 7 (Seven) days of the execution of the contract with the Purchaser, the successful bidder shall furnish a performance security in the form of bank guarantee for 05% amount of order value in favour of concerned department, which would be valid for the period of warranty obligation from India or its associate banks or any nationalized Bank of India or scheduled bank located in India in favour of the purchaser, in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding document or in another form acceptable to the purchaser.

5.2 During warranty/extended warranty period, the defective item (s) or component(s) are to be replaced or repaired whatever required, shall be done by the supplier to the satisfaction of the Purchaser/user department.

5.3 The proceeds of the performance security shall be payable to the authority in favour of whom the performance bank guarantees being made as compensation for any loss resulting from the supplier's failure to complete its obligations under the Contract.

5.4 The performance security shall be denominated in Indian Rupees and shall be in the following forms only:

A Bank guarantee issued by State Bank of India or its associate bank or a nationalized bank of India or a scheduled bank located in India acceptable to the Purchaser, in the form provided in the e-Bid document or another form acceptable to the Purchaser/user department.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

- 5.5 The performance security will be discharged by the Purchaser/user department and returned to the Supplier upon the written request through cheque as promptly as possible following the date of its validity or completion of the Supplier's performance obligations including any onsite warranty/extended warranty obligations, whichever is later, under the contract.
- 5.6 In the event of any contract amendment, the Supplier shall within 7 days of receipt of such amendment furnish the amendment to the Performance Security rendering the same valid for the duration of the Contract as amended for 60 days after the completion of performance obligations including three years comprehensive warranty obligations of all the items.
- 5.7 In some cases, for small amount orders, where the concerned department has not asked for the Bank Guarantee in its favor, UPLC may ask the successful bidder to submit performance security in favor of UP Electronics Corporation Ltd.
- 5.8 In case, the successful bidder fails to submit the performance security then 05% amount of order value shall be deducted and it will remain with UPLC in pursuant to Warranty Services during the first payment to selected Bidder.**

6. Inspection & Tests

Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

- 6.1 i- The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the technical specifications attached to the contract and the Conditions of Contract. The Purchaser will test all the equipment prior to their delivery at sites in the office/factory of the supplier and the Supplier will dispatch the inspected & tested goods by the Purchaser to the ultimate consignee along with manufacturer's warranty certificate. Complete hardware and software as specified in Section III (B) should be supplied, installed and commissioned properly against the purchase order of the Purchaser by the supplier prior to commencement of performance tests, if not carried out by the Purchaser prior to their delivery at sites. Supply and Installation of Computer hardware shall be tested at sites only after its installation. For site preparation, as stated in Clause 35 the supplier should furnish all details to the Purchaser sufficiently in advance so as to get the works completed before receipt of the equipment.
- ii- The acceptance test will be conducted by the Purchaser, their consultant or any other person nominated by the Purchaser, at its option. There shall not be any additional charges for carrying out acceptance tests. The acceptance will involve trouble-free operation during acceptance testing period. No malfunction, partial or complete failure of any part of hardware or excessive heating of motors attached to printers, drivers etc. or bugs and malfunctioning in the software should occur. All the software should be complete and no missing module/sections will be allowed. During acceptance tests, the items having the same or higher technical specifications as given in the contract shall only be accepted. The Supplier shall maintain necessary log in respect of the result of the tests to establish to the entire satisfaction of the Purchaser. An average uptake efficiency of 98% for the duration of test period shall be considered as satisfactory.
- iii- In the event of the Hardware and Software failing to pass the acceptance test, if carried out at site of installation, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserves the rights to get the equipment's replaced by the supplier at no extra cost to the Purchaser.
- iv- Successful conducts and the conclusion of the acceptance test for the installed goods and equipment shall also be the sole responsibility and at the cost of the supplier.
- 6.2 The inspections and tests will be conducted on the premises of the Supplier prior to delivery of the Goods at final destination. For conducting the inspection and tests at the premises of the Supplier, all reasonable facilities and assistance, including access to drawings and production data shall be furnished by the supplier at no charge to the inspectors of the Purchaser. Supplier shall intimate to the Purchaser indicating that the computer hardware equipments are ready for inspection and the Purchaser can send their representative for inspection at their premises. After receipt of such intimation from the Supplier, the Purchaser shall arrange for pre-dispatch inspection and test. After the Supply and Installation of Computer hardware passes in the inspection and tests, the Supplier shall deliver and install the system and all other items at the respective sites within the time schedule given in the Schedule of Requirements.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

6.3 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

6.4 The Purchaser's rights to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

6.5 Manual and Drawing

6.5.1 Before the goods and equipment taken over by the representative of the project site(s), the supplier shall supply operation/user manual together with equipment if any. These shall be in such detail as will enable the Purchaser to operate all the equipment as stated in the specifications.

6.5.2 The manual shall be in the ruling language (English or Hindi) and in such form and numbers as stated in the purchase order. Manual may be in CD/DVD Format also.

6.5.3 Unless and otherwise agreed the goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals as stated in the purchase order have been supplied to the Purchaser.

7. Packing

7.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the purchase order. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into Consideration where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

7.2 The packing, making and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract.

8. Delivery and Documentation

Upon delivery of the Goods, the supplier shall notify the Purchaser and the insurance company by fax the full details of the shipment including purchase order number, description of goods, quantity, name of the consignee etc. The supplier shall mail the following documents to the Purchaser: -

- (a) 3 copies of the supplier's invoice showing goods description, quantity, unit price, total amount;
- (b) Delivery challans duly signed & stamped by the consignee i.e. by the representatives of project sites.
- (c) Manufacturers/Supplier's warranty certificate;
- (d) Goods inspection/PDI report.

9. Insurance

For delivery of goods at site, the insurance shall be obtained by the supplier at their cost of the amount equal to 110% of the value of the goods from warehouse of the supplier to the final destinations of installation defined as project site on "All Risks" basis including war risks and strikes. It will be the sole responsibility of the supplier to file the claim, if any, with the Insurance Company immediately after delivery of goods at project sites.

10. Transportation

The Supplier is required under the Contract to transport the Goods to the specified destinations within U.P/other location, as required, defined as Project sites.

11. Incidental Services

The following services shall be furnished and the cost shall be included in the contract rates:

- a- On-site delivery & satisfactory installation of all the items as per purchase order;
- b- Furnishing all the manuals as per purchase order to the project sites; and

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

- c- Maintenance and repair of the equipment at each location during the comprehensive warranty period including the cost of all spares.

12. Spare Parts

Supplier shall carry sufficient inventories to assure ex-stock availability of spares. Supplier shall ensure the availability of all spare parts for after sale service support for a period of at least five years including the onsite comprehensive warranty period of the items.

13. Warranty

- 13.1 The Supplier warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 13.2 The warranty shall be comprehensive for all the equipment, parts and components (excluding consumable items). The warranty period are given in column 3 of technical specification. The period of warranty shall be considered from the date of installation and acceptance of goods or 3 months more than warranty period from the date of delivery at project sites, whichever occurs earlier for all the items. The supplier shall in addition comply with the performance guarantees specified under the contract. If for reasons attributable to the supplier, these guarantees are not attained in whole or in part, the Supplier shall, make such changes, modifications and or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with CC6.
- 13.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 13.4 During warranty period, the defective item or component shall be replaced or repaired whatever required, by the supplier or the service centre authorised by the supplier, to the satisfaction of the user departments.
- 12.8 Period for correction of defects in the warranty period is 48 hrs.
- 13.6 The supplier shall guarantee a 99% uptime of of Computer hardware and all other items.
- 13.7 If any items give continuous trouble say two times in one month during the warranty period, the supplier shall replace those items with new one without any additional cost to Purchaser.
- 13.8 The Supplier must have at least two service support centre in different Revenue Divisions of lucknow- U.P, for whom the items are being procured. Service centre at Lucknow is essential. The supplier shall be bound and undertake to open their service centres/their service providers within all those revenue divisions/or adjacent revenue divisions for whom Computer hardware are being procured within two months from the date of signing the contract and issue of purchase order. If at any stage, it is found that the service centres/service providers have not been opened or non-functional or have been closed down, then the e-Bid security/performance bank guarantee shall be forfeited by the Purchaser.
- 14 Maintenance service**
- 14.1 The maximum response time for rectification of complaint from any of the destinations specified in SECTION III (B) (i.e., time required from supplier's maintenance engineer to report at the installation site after a request call/fax is made or letter is written) shall not exceed 24 hours.
- 14.2 It is expected that the average downtime of the item will be less than half the maximum downtime (i.e., 48 hours for which an item or equipment is not usable because of inability of the supplier to repair it). In case an item is not usable beyond the stipulated maximum downtime the supplier will be required to arrange for immediate replacement of the same till it is repaired. Failure to arrange for the immediate repair/replacement within 48 hours after registering complaint, will be liable for a **Penalty of Rs. 100.00 (Rupees One hundred only)** per day after 48 hours. The total amount of penalty recovered from supplier during full warranty period will be limited to the worth value of the

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

performance security guarantee. The amount of penalty will be recovered forfeiting the Performance Security guarantee during warranty period.

14.3 Details of the supplier's service centers/service providers are given below;

(i)

(ii)

(iii)

15. Payment

Payment for Goods and Services shall be made in Indian Rupees as follows:

(i) On Delivery: - Ninety percent (90%) of the total price of all the goods given in the purchase order shall be paid by the Purchaser on back-to-back arrangement upon receipt of payment from the user department to the supplier, on receipt of all the inspected & tested goods at project sites and upon submission of the documents specified in Clause 8.

(ii) On Installation: - The remaining ten percent (10%) amount of the order value of the goods received shall be paid to the supplier as promptly as possible after successful installation of all the items and submission of all installation reports duly signed & stamped by the representatives of all the project sites, on back-to-back arrangement upon receipt of payment from the user department. The TDS as applicable will be deducted from this payment on the value of installation and warranty service charges quoted by the supplier in their e-Bid. Any other dues/outstanding shall also be recovered from this payment.

(iii) Most of the departments for which UPLC is asking bids in this tender have not provided cost of equipment in advance to UPLC, UPLC will pay advance payment if same will be received from the department on back-to-back basis. They have informed that they will provide the money only after successful delivery and installation of the ordered items, hence UPLC shall pay the amount against delivery and installation of the ordered items, to successful bidders only after same is received by UPLC from the concerned department.

16. Prices

16.1 Prices payable to the Supplier as stated in the Contract shall remain fixed during the performance of the contract. However, in the event of any increase/decrease in Government taxes/duties as applicable at the time of delivery, the prices shall be adjusted at the time of payment on submission of their proof by the supplier to the Purchaser. In case during the period of the supply, the equipment of the same specifications is being supplied in other departments on the lower rate (within a previous period of six months) by the supplier, the supplier will have to supply that equipment with matching price. In case at the time of delivery of the equipment, higher specification equipment on the same price as quoted/approved in the e-Bid by the supplier are being supplied to other department (s), the supplier will have to supply the higher specification equipment on the quoted/approved rates.

17. Change Orders

17.1 The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract in any one or more of the following:

a- Technical specifications where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;

b- The method of shipping or packing;

c- The place of delivery; and/or

d- The Service to be provided by the Supplier.

17.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within seven (7) days from the date of the Supplier's receipt of the Purchaser's change order.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

18. Contract Amendments

18.1 Subject to condition of contract clause 16 of the Contract, no variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties.

19. Assignment

The Supplier shall not assign, in whole or in parts its obligations to perform under the Contract to any other firm except with the Purchaser's prior written consent.

20. Delivery of the Goods and Delay in the Supplier's Performance

20.1 The inspection and test of the **CCTV & All Equipment** items shall be carried out by the Purchaser prior to its dispatch by the Supplier at final destination and for this purpose; the Supplier shall intimate to the Purchaser that the **CCTV & All Equipment** and other items are ready for inspection and test. After receipt of such intimation from the Supplier, the Purchaser will arrange the inspection and test of the **CCTV & All Equipment** items at the premise of Supplier. After the **CCTV & All Equipment** items pass the test, the items which are inspected and accepted during acceptance testing by the Purchaser shall be packed by the supplier and the representative of Purchaser will put a unique number, their seal and signature on each of the packet. The Supplier shall deliver the sealed unbroken packets to the project sites and install the systems and all other items at the respective sites within the time schedule given in the Schedule of Requirements.

20.2 If at any time during performance of the Contract the Supplier should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Purchase order.

20.3 Except as provided under conditions of contract clause 22 of the Contract, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to conditions of Contract unless an extension of time is agreed upon pursuant to conditions of Contract without the application of liquidated damages.

21. Liquidated Damages

21.1 Subject to conditions of Contract if the Supplier fails to deliver or install any or all of the Goods or to perform the Services within the period (s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services for each week or part thereof delay until actual delivery or installation or performance, up to a maximum deduction of 1%. Once the maximum penalty is reached, the Purchaser may consider termination of the Contract/purchase order pursuant to conditions of Contract Clause 21 of the Contract.

22. Termination for Default

22.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

a)- If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract/Purchase Order, or within any extension thereof granted by the Purchaser pursuant to clause no. 19.2 above or

b)- If the Supplier fails to perform any other obligation(s) under the Contract or Purchase Order.

22.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to the conditions of contract clause no. 22.1 above, Purchaser may procure, upon such terms and in such manner as it deems appropriate. Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the supplier shall continue the performance of the Contract to the extent not terminated.

23. Force Majeure

23.1 Notwithstanding the provisions of conditions of contract clause no. 19, 20 & 21 above, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- 23.2 For purpose of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

24. Termination for Insolvency

- 24.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event termination, will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

25. Termination for Convenience

- 25.1 The Purchaser, by written notice sent to the Supplier may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

- 25.2 The Goods that are complete and ready for shipment at the time of Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially Completed Goods.

26. Settlement of Disputes

- 26.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

- 26.2 If, the parties have failed to resolve their dispute or difference by such mutual consultation within 30 (thirty) days, then aggrieved party may give notice to other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

- 26.3 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

26.4

- 26.4.1 In case of dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such dispute or difference shall be referred to Sole Arbitrator, the Principal Secretary/Secretary, IT & Electronics Department, Govt. of U.P. or his nominee, to decide the dispute both in case of foreign supply as well as Indian supply. The provision of Arbitration and Conciliation Act, 1996 shall apply.

- 26.4.2 Arbitration proceedings shall be held at Lucknow, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English or Hindi.

- 26.4.3 The decision of the Sole Arbitrator or his nominee shall be final and binding upon both parties. The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings shall be borne by each party itself.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

26.4.4 notwithstanding any reference to arbitration herein.

- a- The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b- The Purchaser shall pay the Supplier any monies due to the Supplier.

27. Limitation of Liability

27.1 Except in cases of criminal negligence or willful misconduct, and in the case of Infringement pursuant to Clause 4 above.

- a)- the Supplier shall not be liable to the Purchaser, whether in contract tort, or otherwise, for any indirect or consequential loss of damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay liquidated damages to the Purchaser; and
- b)- The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total value of items ordered under this Contract provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

28. Governing Language

28.1 The Contract shall be written in English or Hindi language Subject to condition of contract clause 28 as below, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

29. Applicable Law

The Contract shall be interpreted in accordance with the laws of the Union of India.

30. Notices

29.1 Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing or by e-mail or by fax and confirmed in writing to the other Party's address. For the purpose of all notices, the following shall be the address of the Purchaser and Supplier

Purchaser : U.P. Electronics Corporation Ltd,
10, Ashok Marg,
Lucknow (U.P.) - 226 001

Supplier : (To be filled in at the time of Contract execution)

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.....

29.2 A notice shall be effective when delivered or on the notice's effective date whichever is later.

30. Taxes and Duties

30.1 Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits etc. incurred until delivery of the contracted Goods to the Purchaser.

31. Right to use defective equipment

If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the equipment proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such equipment until rectification of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

32. Supplier Integrity

The supplier is responsible for and obliged to conduct all contracted activities in accordance with the contracts using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the contract.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

33. Supplier's Obligations

The supplier is obliged to work closely with the Purchaser's staff, act within its own authority and abide by directives issued by the Purchaser and implementation activities. The supplier is abiding by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life the cause of which is the supplier's negligence. The supplier will pay all indemnities arising from such incidents and will not hold the Purchaser responsible or obligated. The supplier is responsible for managing the activities of its personnel and will hold itself responsible for any misdemeanors. The supplier will treat as confidential all data and information about the Purchaser, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Purchaser.

34. Patent Right

In the event of any claim asserted by a third party of infringement of copy right, patent, trademark or industrial design rights arising from the use of the Goods or any parts thereof in the Purchaser's country, the supplier shall act expeditiously to extinguish such claim. If the supplier fails to comply and the Purchaser is required to pay compensation to a third party resulting from such infringement, the supplier shall be responsible for the compensation including all expenses (court costs and lawyer fees etc.). The Purchaser will give notice to the supplier of such claim, if it is made without delay.

35. Site Preparation and Installation

In-charge of the project site is solely responsible for site preparation in compliance with the technical and environmental specifications defined by the supplier. The In-charge of project site will designate the installation site before the scheduled installation date to allow the supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Hardware and Software.

36. Hardware and Software Installation

The Supplier is responsible for all unpacking, assemblies, installations of all hardware and software, cabling between hardware units and connecting to power supplies. The supplier will test all hardware and software operations and accomplish all adjustments necessary for successful and continuous operation of the hardware and software at all installation sites.

37. Hardware and software Maintenance

The supplier will accomplish preventive and breakdown maintenance activities to ensure that all Hardware execute without defect or interruption for at least 98% up time for 24 hours a day, 7 days of the week of operation of the machine worked on a quarterly basis. If any critical component of the entire configuration is out of service for more than three days, the supplier shall either immediately replace the defective unit at its own cost. The supplier will respond to a site visit and commence repair work on the equipment within 24 hours of being notified of equipment malfunction.

38. Technical Documentation

The Technical Documentation involving detailed instruction for operation is to be delivered with every unit of the equipment supplied if mentioned in the purchase order. The language of the documentation shall be English or Hindi.

39. Transfer of the Rights of the Purchaser

All the items are purchased by the Purchaser on behalf of various offices/ institutions of Government of Uttar Pradesh for whom equipment/materials are being procured. Till successful installation and commissioning of all the items, the purchaser will be responsible for monitoring of the observance of the clauses under this contract. After successful installation & commissioning of all the items, all the rights, duties and obligations of the Purchaser under this contract, shall be exercised by the various offices/ institutions of Government of Uttar Pradesh.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION III: TECHNICAL E-BID FORMS

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION III : TECHNICAL E-BID FORM

- | | |
|--------|-----------------------------|
| III(A) | e-Bid FORM |
| III(B) | SCHEDULE OF REQUIREMENTS |
| III(C) | TECHNICAL SPECIFICATIONS |
| III(D) | BID SECURITY FORM |
| III(E) | CONTRACT FORM |
| III(F) | PERFORMANCE STATEMENT |
| III(G) | SERVICE SUPPORT DETAILS |
| III(H) | CAPABILITY STATEMENT |
| III(I) | PERFORMANCE SECURITY FORM |
| III(J) | BIDDER ELIGIBILITY CRITERIA |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION III (A): e-Bid FORM

Date:
IFB No.:.....

To:

The Managing Director,
U.P. Electronics Corporation Ltd.,
10, Ashok Marg,
Lucknow (U.P.) - 226 001

Dear Sir:

Having examined the e-Bid Documents, we, the undersigned, offer to supply and deliver (*Description of Goods and Services*) in conformity with the said e-Bid Documents and hereby undertake that we accept all the Conditions of the Contract (Section II) of the e-Bid Document and will supply the Computer hardware, its installation and warranty maintenance of Computer hardware related items/materials as per the Technical Specifications (Section III(C)) of the e-Bid documents for various Govt. Departments. We further undertake that we fulfill the Qualification Requirements (Section III(D)) and for this purpose we enclose the details. In addition to this, the particulars of our organization such as legal status, details of experience and past performance, service support details, capability statement and the required e-Bid security/EMD.

We further undertake, if our e-Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements (Section III (B)).

If our e-Bid is accepted, we will obtain the performance guarantee of a bank in the form prescribed by the Purchaser for a sum equivalent to 05% of the Contract Price for the due performance of the Contract

We agree to abide by this e-Bid for the e-Bid validity period specified in Clause 13.1 of the ITB and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this e-Bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us. All the terms and conditions of the e-tender Document are acceptable to us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1998".

We understand that you are not bound to accept the lowest or any e-Bid you may receive.

Dated this day of 20.....

(Signature)

(in the capacity of)

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV AT UPIDR,
LUCKNOW IN UTTAR PRADESH

SECTION III (B) : SCHEDULE OF REQUIREMENTS

| Item Code | Brief Description | Destination | Delivery Schedule | e-Bid Security |
|------------------|--|--|--|-----------------------|
| | As per the details given in the SECTION III (C) TECHNICAL SPECIFICATIONS | U.P. Institute of Design & Research, Lucknow | All the items shall be delivered/ installation within 06 to 08 weeks from the date of issue of the purchase order. | NA |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III (C): TECHNICAL SPECIFICATION

Details of Equipment

| Sr. No. | Item Description | UoM | Warranty | Qty. | Make | Model |
|---------|--|-----|----------|------|------|-------|
| <1> | <2> | <3> | <4> | <5> | <6> | <7> |
| A | Active Components | | | | | |
| 1 | Network Security Appliance , 7 x Port RJ45 (Configurable), 1 x SFP Port ,2 USB port,DB9 Console with 1 Year License (Content Filtering /Anti-Spam/IDP License/Anti Virus/Sandboxing) | Nos | 1 | 1 | | |
| 2 | L3 Managed Fiber Switch with 24xGbE SFP Slots 4xGbE combo Rj45/SFP port and 4x10 GbE SFP+ slots. Dual power supply | Nos | 1 | 1 | | |
| 3 | 24-port GbE L2 PoE+ L2 Managed Switch, with 4 Gigabit combo ports 802.3at, 375 Watt and Cloud management support | Nos | 1 | 8 | | |
| 4 | GbE SFP Transceiver | Nos | 1 | 16 | | |
| 5 | 2MP PTZ, 1/2.8 inch CMOS,5 mm to 153 mm or equivalent, 32x Optical Zoom,Smart IR 200m,IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection, Power Supply -30°C to 65°C Humidity 90% or less rest as per technical compliance. | Nos | 1 | 2 | | |
| 6 | 5 MP Dome Camera,1/2.7 inch Progressive Scan CMOS, Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR , Up to 40 IR rest as per technical compliance | Nos | 1 | 31 | | |
| 7 | 5 MP Bullet Camera,1/2.7 inch Progressive Scan CMOS, Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR , Up to 60 IR rest as per technical compliance | Nos | 1 | 32 | | |
| 8 | 5 MP VF Bullet Camera, 1/2.7inch CMOS, Color: 0.005 Lux @ (F1.6, AGC ON) | Nos | 1 | 5 | | |
| 9 | 32 Channel NVR Capable for 30 days Back-up with 2MP/20 fps. Video output HDMI VGA and Network port rest as per technical compliance | Nos | 1 | 3 | | |
| 10 | Hard Disk 10TB Surveillance WD/Seagate/Toshiba | Nos | 1 | 6 | | |
| 11 | LED TV 55 inch, Full HD Display, Suitable for 24x7 Power on | Nos | 1 | 3 | | |
| 12 | Line Interactive UPS 1000 VA with 30 min battery backup | Nos | 1 | 8 | | |
| 13 | UPS 6KVA online UPS with 30 min battery backup | Nos | 1 | 1 | | |
| B | Passive Components | | | | | |
| 14 | 24 U Rack Floor Mounted for NVR and LIU | Nos | 1 | 1 | | |
| 15 | 6U Wall Mounted Rack | Nos | 1 | 8 | | |
| 16 | 6 Core SM Optical Fibre Cable | Mtr | 1 | 1000 | | |
| 17 | 24 Way LIU SC-Style, Single mode , 19-inch, 1U Rack mount LIU Loaded with SC SM adapter, Pigtails, Splice tray & Splice protectors | Nos | 1 | 2 | | |
| 18 | 12 Way LIU SC-Style, Single mode , 19-inch, 1U Rack mount LIU Loaded with SC SM adapter, Pigtails, Splice tray & Splice protectors | Nos | 1 | 8 | | |
| 19 | SC-LC Single mode Duplex, Fiber Patch Cord, 2 Meter | Nos | 1 | 20 | | |
| 20 | Cat 6 cable (305 meter box) | Nos | 1 | 10 | | |
| 21 | Cat 6 1m patch cord | Nos | 1 | 140 | | |
| 22 | 24 Port Jack panel | Nos | 1 | 8 | | |
| 23 | I/O Box (Information Outlet with Faceplate & SMB) | Nos | 1 | 70 | | |
| 24 | 32mm HDPE Pipe | Mtr | 1 | 200 | | |
| 25 | 32mm PVC conduit / channel (per meter) | Mtr | 1 | 3000 | | |
| 26 | 1.5 Sqmm 3 core armoured Cable | Mtr | 1 | 200 | | |
| 27 | 15A Power Socket | Nos | 1 | 8 | | |
| 28 | 15A Power Sockets for Center Location | Nos | 1 | 1 | | |
| C | Job Work | | | | | |
| 29 | Digging and refilling of Soft Soil (per meter) | Mtr | Std | 200 | | |
| 30 | Laying of HDPE Pipe (per meter) | Mtr | Std | 200 | | |
| 31 | Laying of Fiber Cable in HDPE Pipe (per meter) | Mtr | Std | 1000 | | |
| 32 | Splicing of Fiber (per Core) | Nos | Std | 108 | | |
| 33 | LIU Fixing and Dressing | Nos | Std | 9 | | |
| 34 | Laying of PVC Pipes/ Conduits (per meter) | Mtr | Std | 2000 | | |
| 35 | Laying of CAT-6 Cable in PVC Pipes/ Conduits (per meter) | Mtr | Std | 2500 | | |
| 36 | I/O Fixing & Termination | Nos | Std | 70 | | |
| 37 | Jack Panel Termination | Nos | Std | 9 | | |
| 38 | Rack Fixing, Dressing and Ferruling etc. | Nos | Std | 9 | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | | | |
|----|---|-----|-----|---|--|--|
| 39 | Documentation and Configuration entire Camera, NVR Networks Switches and other related devices (One Time Charegs) | Nos | Std | 1 | | |
|----|---|-----|-----|---|--|--|

TECHNICAL COMPLIANCE DATA SHEET

[1]- 2MP PTZ Camera:

Make _____ & Model _____

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|------------------------------------|---|-------------------|-------------------|
| 1 | Camera Type | PTZ Camera | | |
| 2 | Image Sensor | 1/2.8 inch CMOS or better | | |
| 3 | Resolution | 2 MP (1920 x 1080) at 25 FPS or better in main stream | | |
| 4 | Video Compression | H.265 or better | | |
| 5 | Audio Compression | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM | | |
| 6 | Streaming | Min. Three compressed stream (Individually Configurable) & each stream support Min. 25fps | | |
| 7 | Security | User/802.1x Authentication, IP Address filtering, Watermark, HTTPS encryption | | |
| 8 | Protocol | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour | | |
| 9 | Simultaneous Live View | Up to 20 channels | | |
| 10 | User | Up to 32 users | | |
| 11 | Focal Length & Optical Zoom | 5 mm to 153 mm or equivalent, 32x Optical Zoom | | |
| 12 | Focus | Auto | | |
| 13 | Digital Zoom | 16x | | |
| 14 | Pan & Tilt Range | 360° endless, -15° ~ 90°(auto-flip) | | |
| 15 | Pan & Tilt Speed | Pan Manual Speed: 0.1° - 150°/s, | | |
| | | Pan Preset Speed: 220°/s | | |
| | | Tilt Manual Speed: 0.1° ~ 100°/s | | |
| | | Tilt Preset Speed: 200°/s | | |
| 16 | Scan | 8 patrols[Min. 32 Presets in each patrol] & 4 pattern | | |
| 17 | Number of Preset | Min. 300 | | |
| 18 | Dynamic Noise Reduction | 3D DNR | | |
| 19 | Defog | Support | | |
| 20 | Illumination | Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux@(F1.6, AGC ON), 0 Lux with IR | | |
| 21 | IR Range | Smart IR 200m or better | | |
| 22 | Edge Storage | MicroSD/microSDHC/microSDXC slot supporting memory card for min. 256 GB | | |
| 23 | Auto Gain Control | Support | | |
| 24 | Back Light Compensation | Support | | |
| 25 | High Light Compensation | Support | | |
| 26 | Region Of Interest | Support | | |
| 27 | Electronic Shutter | 1/1 sec ~1/30,000 sec slow shutter | | |
| 28 | White Balance | Support | | |
| 29 | Wide Dynamic Range | 120 dB Support | | |
| 30 | S/N Ratio | > 52dB | | |
| 31 | Privacy Mask | 24 privacy masks programmable | | |
| 32 | Edge based video content Analytics | Line crossing detection, Intrusion detection, Motion detection, video tampering alarm, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection | | |
| 33 | Tracking | Auto-tracking | | |
| 34 | Day and Night | Support ICR | | |
| 35 | Audio Interface | 1 input, 1 output | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|----------------------------------|---|-------------------|-------------------|
| 36 | Alarm Interface | 2 input, 1 output | | |
| 37 | Ethernet Interface | 1 RJ45 10M/100M self-adaptive Ethernet port | | |
| 38 | Protection Level | IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection | | |
| 39 | Anti-Vandalism rating | IK10 (Excluding glass window) | | |
| 40 | Mounting Bracket | Wall/Pole Mount | | |
| 41 | Operating Temperature & Humidity | -30°C to 65°C Humidity 90% or less | | |
| 42 | Power Supply | Hi-PoE & 24 V AC | | |
| 43 | Certification | CE, FCC, BIS | | |

[2]- 5MP Fixed Dome Camera:

Make _____ & Model _____

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|------------------------------------|--|-------------------|-------------------|
| 1. | Camera Type | Fixed Dome Camera | | |
| 2. | Image Sensor | 1/2.7 inch Progressive Scan CMOS or better | | |
| 3. | Resolution | Min. 2560 × 1920 @ 20fps or better | | |
| 4. | Video Compression | H.264, H.265 or Better | | |
| 5. | Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM, should support Environment Noise Filtering | | |
| 6. | Streaming | Min. three compressed stream (Individually Configurable) | | |
| 7. | ID/Password | Multi-level user ID/Password | | |
| 8. | Simultaneous Live View | Up to 6 channels | | |
| 9. | Physical Layer | 1 RJ45 10M/100M self-adaptive Ethernet port | | |
| 10. | Security | Password protection, IP address filter | | |
| 11. | Protocol | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour | | |
| 12. | Lens Type | Fixed focal lens 2.8 / 4 mm | | |
| 13. | Alarm | 1 inputs, 1 output | | |
| 14. | Audio | 1 inputs, 1 output | | |
| 15. | Image Enhancement | BLC, HLC, 3D DNR | | |
| 16. | Image Settings | Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser | | |
| 17. | Illumination | Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR | | |
| 18. | IR Range | Up to 40 mtrs. or better | | |
| 19. | Privacy Mask | Yes | | |
| 20. | Electronic Shutter | 1/3 s to 1/100,000 s | | |
| 21. | Wide Dynamic Range | 120dB | | |
| 22. | Day and Night | Day, Night, Auto, Schedule | | |
| 23. | Edge Storage | Built-in memory card slot up to 256 GB | | |
| 24. | Operating Temperature | -30 °C to +60 °C Humidity 95% or less (non-condensing) | | |
| 25. | Housing | IP67, IK10 | | |
| 26. | Edge based video content Analytics | Line crossing detection, Intrusion detection, Motion Detection, Video tampering | | |
| 27. | Power Source | 12 VDC, PoE: 802.3at/af | | |
| 28. | Certification | CE, FCC, BIS | | |

[3]- 5MP Fixed Bullet Camera:

Make _____ & Model _____

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|--------------|--|-------------------|-------------------|
| 1. | Camera Type | Fixed Bullet Camera | | |
| 2. | Image Sensor | 1/2.7 inch Progressive Scan CMOS or better | | |
| 3. | Resolution | Min. 2560 × 1920 @ 20fps or better | | |

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| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|------------------------------------|--|-------------------|-------------------|
| 4. | Video Compression | H.264, H.265 or Better | | |
| 5. | Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM, should support Environment Noise Filtering | | |
| 6. | Streaming | Min. three compressed stream (Individually Configurable) | | |
| 7. | ID/Password | Multi-level user ID/Password | | |
| 8. | Simultaneous Live View | Up to 6 channels | | |
| 9. | Physical Layer | 1 RJ45 10M/100M self-adaptive Ethernet port | | |
| 10. | Security | Password protection, IP address filter | | |
| 11. | Protocol | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour | | |
| 12. | Lens Type | Fixed focal lens 4 mm / 6 mm | | |
| 14. | Audio | Built in mic | | |
| 15. | Image Enhancement | BLC, HLC, 3D DNR | | |
| 16. | Image Settings | Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser | | |
| 17. | Illumination | Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR | | |
| 18. | IR Range | Up to 60 mtrs. or better | | |
| 19. | Privacy Mask | Yes | | |
| 20. | Electronic Shutter | 1/3 s to 1/100,000 s | | |
| 21. | Wide Dynamic Range | 120dB | | |
| 22. | Day and Night | Day, Night, Auto, Schedule | | |
| 23. | Edge Storage | Built-in memory card slot up to 256 GB | | |
| 24. | Operating Temperature | -30 °C to +60 °C Humidity 95% or less (non-condensing) | | |
| 25. | Housing | IP67 or Better | | |
| 26. | Edge based video content Analytics | Line crossing detection, Intrusion detection, Motion Detection, Video tampering | | |
| 27. | Power Source | 12 VDC, PoE: 802.3at/af | | |
| 28. | Certification | CE, FCC, BIS | | |

[4]- 5MP Varifocal Bullet Camera:

Make _____ & Model _____

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|-------------------------|--|-------------------|-------------------|
| 1 | Camera Type | 5MP Varifocal Bullet Camera | | |
| 2 | Image Sensor | 1/2.7inch CMOS or better | | |
| 3 | Resolution | Min. 2560 × 1920 @ 20fps or better | | |
| 4 | Compression | H.264,H.265 or Betetr | | |
| 5 | Streaming | Min. three compressed stream (Individually Configurable) | | |
| 6 | ID/Password | Multi-level user ID/Password | | |
| 7 | Physical Layer | 1 RJ45 10M/100M self-adaptive Ethernet port | | |
| 8 | Protocol | Minimum TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour | | |
| 9 | Lens Type | 2.7 to 13.5 mm varifocal Lens | | |
| 10 | Alarm | 1 inputs, 1 outputs | | |
| 11 | Audio | 1 inputs, 1 outputs | | |
| 12 | Dynamic Noise Reduction | 3D DNR | | |
| 13 | Antiflicker | Support | | |
| 14 | Illumination | Color: 0.005 Lux @ (F1.6, AGC ON) B/W: 0 Lux with IR | | |
| 15 | Supplement Light Range | up to 60 m | | |
| 16 | Privacy Mask | Yes | | |
| 17 | Auto Gain Control | Yes | | |
| 18 | Back Light Compensation | Yes | | |

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| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|------------------------------------|---|-------------------|-------------------|
| 19 | Electronic Shutter | 1/3 s to 1/100,000 s | | |
| 20 | White Balance | Yes | | |
| 21 | Wide Dynamic Range | 120dB | | |
| 22 | Edge Storage | Built-in memory card slot, support microSD card, up to 256 GB | | |
| 23 | Day and Night switch | Day, Night, Auto, Schedule | | |
| 24 | Operating Temperature | -30 °C to +60 °C | | |
| | | Humidity 95% or less (non-condensing) | | |
| 25 | Housing | IP67 | | |
| 26 | Edge based video content Analytics | Motion detection, video tampering alarm, Line crossing detection, intrusion detection | | |
| 27 | Power Source | 12 VDC, PoE: 802.3at/af | | |
| 28 | Certification | CE, FCC, BIS | | |

[5]- 32 Channel NVR:

Make _____ & Model _____

| S. No. | Features | Description | Compliance Yes/No | Deviation, If Any |
|--------|--|--|-------------------|-------------------|
| 1 | IP video input | 32 ch | | |
| 2 | Incoming bandwidth | Min. 250 Mbps | | |
| 3 | Outgoing bandwidth | Min. 160 Mbps | | |
| 4 | Recording resolution | Up to 12 MP resolution | | |
| 5 | Two-Way Audio | 1-ch, RCA (Linear, 1 KΩ) | | |
| 6 | Audio Output | 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input) | | |
| 7 | Facial Detection and Analytics | Face picture comparison, human face capture, face picture search | | |
| 8 | Face Picture Library | Up to 16 face picture libraries, with up to 20,000 face pictures in total (each | | |
| 9 | | picture ≤ 4 MB, total capacity ≤ 1 GB) | | |
| 10 | Facial Detection and Analytics Performance | 1-ch human face capture | | |
| 11 | Face Picture Comparison | 4-ch face picture comparison alarm | | |
| 12 | Video o/p interfaces | HDMI and VGA outputs HDMI port; Supporting 4K resolution, VGA port; Supporting 2MP(1920 × 1080) resolution | | |
| 13 | Two-way audio | 1-ch | | |
| 14 | Audio o/p | 1 ch | | |
| 15 | Compression technique | H.265,H.264 | | |
| 16 | Live view/Playback resolution | Up to 12 MP resolution | | |
| 17 | Synchronous playback | Up to 16 channel | | |
| 18 | Smart Playback function | Should support Smart search for the selected area in the video and smart playback to improve the playback efficiency | | |
| 19 | VCA | Should support multiple Video Content Analytics based on camera analytics | | |
| 20 | SATA interfaces | 2 SATA interfaces with each supporting 10TB | | |
| 21 | Network interfaces | 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface | | |
| 22 | USB interface | 2 × USB connectors supporting USB 2.0 | | |
| 23 | Alarm i/o | 4 i/p and 1 o/p | | |
| 24 | Power supply | 12 VDC | | |
| 25 | Working temperature | -10 to +55° C | | |
| 26 | Working humidity | 10 to 90 % | | |
| 27 | Certification | CE / FCC / BIS | | |

[6]- 55" LED Professional Display with 24x7 Operation

Make _____ & Model _____

| Sl. No. | Section | Feature | Specification | Compliance Yes/No | Deviation, If Any |
|---------|---------|---------------------|---------------------|-------------------|-------------------|
| 1 | Panel | Screen Size | 55" | | |
| 2 | | Panel Technology | IPS | | |
| 3 | | Aspect Ratio | 16:09 | | |
| 4 | | Native Resolution | 3,840 x 2,160 (UHD) | | |
| 5 | | Backlight Unit Type | Edge | | |
| 6 | | Brightness (cd/m2) | 500nit or higher | | |

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| | | | | | | |
|----|-----------------|---|-------------------------------------|--|--|--|
| 7 | | Dynamic Contrast Ratio | 10,00,000:1 or higher | | | |
| 8 | | Viewing Angle (H x V) | 178 x 178 or higher | | | |
| 9 | | Response Time | 8ms(G to G) or better | | | |
| 10 | | Surface Treatment (Haze) | Haze 28% or better | | | |
| 11 | | Operation Hours | 24x7 Hrs | | | |
| 12 | | Orientation | Landscape & Portrait | | | |
| 13 | Connectivity | Input | HDMI (3), DP, DVI-D, Audio, USB (2) | | | |
| 14 | | Output | HDMI, Audio | | | |
| 15 | | External Control | RS232C In/out, RJ45 (LAN) In, IR In | | | |
| 16 | Mechanical | Bezel Color | Black | | | |
| 17 | Specification | VESA | 300 x 300 or as per OEM | | | |
| 18 | Key Feature | Internal Memory 16 GB, Built-in Wi-Fi, Temperature Sensor, Auto Brightness sensor, Acceleration(Gyro) Sensor, Local Key Operation, Embedded CMS (Local Contents Scheduling, Group Manager), USB Plug & Play, Fail over, Background Image (Booting Logo Image, No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Multi-screen (PIP, PBP (4)), Screen Share, Video Tag (4), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3rd Party Compatibility (Crestron Connected), Power (Smart Energy Saving, PM mode, Wake on LAN, Network Ready), Beacon, HDMI-CEC, SI Server Setting, web RTC | | | | |
| 19 | Environmental | Operation Temperature | 0°C to 40°C | | | |
| 20 | Conditions | Operation Humidity | 10% to 80% | | | |
| 21 | Power | Power Supply | 100-240V~, 50/60Hz | | | |
| 22 | | Power Type | Built-In Power | | | |
| 23 | | Consumption: Smart Energy Saving / Max. | 110W / 150W | | | |
| 24 | Certification | Safety | CB | | | |
| 25 | | EMC | FCC Class "A" / CE / KC | | | |
| 26 | | ErP / Energy Star | Yes / Yes | | | |
| 27 | Special Feature | Tilt (Facedown) | Max. 15° | | | |
| 28 | | IP Rating | IP5x | | | |

[7]- 1 KVA UPS Line Interactive 30 min Backup
Make _____ & Model _____

| MODEL | SPECIFICATION | | Compliance Yes/No | Deviation, If Any |
|---------------|---|--|-------------------|-------------------|
| CAPACITY | VA/W | 1000 VA/600 Watt. | | |
| INPUT | Voltage | 220/230 VAC | | |
| | Voltage Range | 140-300 VAC | | |
| | Frequency Range | 50 Hz | | |
| OUTPUT | AC Voltage Regulation (Batt. Mode) | ±1% | | |
| | AC Voltage Regulation (Mains Mode) | ±10% | | |
| | Frequency Range (Batt. Mode) | 50 Hz ±1 Hz | | |
| | Transfer Time | Typical 2-6 ms | | |
| | Waveform (Batt. Mode) | Simulated Sine Wave | | |
| | Overload | 110% +/-10% Shutdown after 5 mins | | |
| BATTERY | Battery Type & Number | 12 V/7 Ah x 2 | | |
| | Typical Recharge Time | 6-8 hours up to 90% capacity | | |
| TRANSFER TIME | Minimum line break for transfer to battery | Typical 4-8 msec | | |
| | AC Mode | Green lighting | | |
| | Battery Mode | Green flashing | | |
| | Fault | Red lighting | | |
| ALARMS | Battery Mode, Low Battery, Overload, Battery replacement, fault | Audible alarm is provided | | |
| PROTECTION | Full Protection | Overload, discharge, and overcharge protection | | |
| PHYSICAL | Dimension, D X W X H (mm) | 369 X 141 X 160 | | |
| | Net Weight (kgs) | 10 | | |
| | Material | Semi Metallic | | |
| ENVIRONMENT | Operating Environment | 0-40 Deg C. | | |
| | Storage Temp | -15°C to 50°C | | |
| | Humidity | 0-95 % RH @ 0- 40°C | | |

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| MODEL | SPECIFICATION | | Compliance Yes/No | Deviation, If Any |
|----------------|---|--|----------------------|----------------------|
| | | (non-condensing) | | |
| | Noise Level | Less than 40dB | | |
| CERTIFICATIONS | BIS registration | Available | | |
| | Frost and Sullivan Report | Available | | |
| | NABL Approved government lab test report. | Available | | |
| | Dry heat test | At 50% load for testing In accordance with IS:9000(part 5/sec 1977 (reaffirmed 2007) at 55deg for 16hrs | | |
| | Damp heat test (operational) | In accordance with IS:9000(part V/sec 2)- 1981(Reaffirmed 2016) Humidity- 95% RH | | |
| | Cold test | In accordance with IS:9000(part II/sec 3) 1977 (reaffirmed 2016) | | |
| WARRANTY | Warranty on UPS and Battery | 2 Years on UPS and batteries | | |

[8]- 6KVA Online UPS 30 Min Backup

Make _____ & Model _____

| Sr. No | DESCRIPTION | Tender Specification (6kVA) | Compliance Yes/No | Deviation , If Any |
|--------|---------------------------------|--|----------------------|-----------------------|
| 1 | Capacity | 6K VA / 4800 W | | |
| 2 | Model | Liebert GXTMT+ 6KVA | | |
| 3 | Design | True online double conversion design | | |
| 4 | Nominal Input Voltage | 208/220/230/240V | | |
| 5 | Input Voltage Range | 160-300 VAC @ 100% load | | |
| 6 | Nominal Input Frequency | 50Hz with range of 46 - 54Hz | | |
| 7 | Input Power Factor | ≥ 0.99 at 100% Load | | |
| 8 | Type of Rectifier | IGBT based | | |
| 9 | Nominal voltage regulation | 1% | | |
| 10 | Inbuilt OVCD | Yes | | |
| 11 | Charging Method | Constant voltage constant current (CVCC) | | |
| 12 | Charging current Capacity | 6A | | |
| 13 | Number of Batteries | 16 - 20 Blocks for Long run models. | | |
| 14 | Type of Batteries | Depending on applications | | |
| 15 | Back up | Max 10 hrs on full load with inbuilt charger. | | |
| 16 | Load power factor | 0.8 | | |
| 17 | Nominal Output voltage | 208/220/230/240VAC | | |
| 18 | Output Frequency | Frequency Range (Batt. Mode): 50 Hz ± 0.1 Hz ; Frequency Range (Synchronized Range): 46Hz ~ 54 Hz @ 50Hz system | | |
| 19 | Output Waveform | Pure sine wave | | |
| 20 | Total Harmonic distortion (THD) | <=3% for Linear load & <=7% for Non linear load | | |
| 21 | Inverter | IGBT based PWM with Instantaneous Sine wave control | | |
| 22 | Power Rating | 6KVA / 4.8KW | | |

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| Sr. No | DESCRIPTION | Tender Specification (6kVA) | Compliance Yes/No | Deviation , If Any |
|--------|---|--|-------------------|--------------------|
| 23 | battery Type | Sealed, lead-acid, maintenance-free battery, lion battery | | |
| 24 | Dynamic response | IEC62040-3 Classification 1 | | |
| 25 | Crest factor | 3:1 | | |
| 26 | Duty. | Continuous duty | | |
| 27 | Overload Capacity | AC mode:100%~110%: 10min、 110%~130%: 1min、 >130% : 1sec ; Battery mode: 100%~110%: 30sec、 110%~130%: 10sec、 >130% : 1sec | | |
| 28 | Frequency synchronization Band for Static. Bypass | 46 - 54Hz | | |
| 29 | Transfer (Inverter to Bypass) | 0 ms | | |
| 30 | Retransfer (Bypass to Inverter) | 0 ms | | |
| 31 | Manual bypass facility | No | | |
| 32 | Change over from static bypass to manual bypass | No | | |
| 33 | Automatic Bypass | Inbuilt | | |
| 34 | Inverter Efficiency (DC to AC) | 88% | | |
| 35 | Overall efficiency (AC to AC) | Upto 91% | | |
| 36 | Acoustic Noise Level | Less than 58dB @ 1 Meter | | |
| 37 | Ambient Temperature | 0 - 50 Deg C | | |
| 38 | Storage Temperature | -15°C~60°C | | |
| 39 | Humidity | <95 % and non-condensing | | |
| 40 | Altitude | <1000m | | |
| 41 | Enclosure Protection Grade | IP 20 | | |
| 42 | Cooling | Forced Air | | |
| 43 | Dimension (in mm) & Weight (in Kg) | H = 318mm,W = 190mm, D = 369mm & Weight of 21Kg for long run model . | | |
| 44 | Metering (Digital display) | | | |
| 45 | Input voltage | Indications are in the form of LED's- Battery LED, Inverter LED, Bypass LED, Line LED, Fault LED; ALSO 5 LED;s are for indicating the LOAD % during Mains mode, and Battery charge status during Battery Mode. | | |
| 46 | Battery voltage | | | |
| 47 | Output voltage | | | |
| 48 | Output current | | | |
| 49 | Output frequency | | | |
| 50 | Input Frequency | | | |
| 51 | Heat sink temperature | | | |
| 52 | Fault indicated on Digital Display Alarms | LED indication display | | |
| 53 | input fail | Inbuilt and accessible on LCD Display. | | |
| 54 | Battery Low | | | |
| 55 | Transfer to bypass and system fault | | | |
| 56 | LED Indications | | | |
| 57 | Protection | Overload/Short Ckt/Battery Deep Discharge/Low Battery/Reverse Battery/Inverter Current Limitation/Over | | |

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| Sr. No | DESCRIPTION | Tender Specification (6kVA) | Compliance Yes/No | Deviation, If Any |
|--------|-----------------------------------|--|-------------------|-------------------|
| | | Temperature/Output Overvoltage. | | |
| 58 | Optional features | RS 232 communication port for interfacing, Remote monitoring | | |
| 59 | Testing standards | Safety: IEC/EN 62040-1-1 | | |
| 60 | Surge Protection standard | SURGE : IEC/EN 61000-4-5 | | |
| 61 | Noise standard | EMI: Conducted Emission (Category C3) IEC/EN 62040-2, Radiated Emission IEC/EN 62040-2 | | |
| 62 | Other Standards | EMS :(Level 4) | | |
| | | ESD - IEC/EN 61000-4-2 | | |
| | | RS - IEC/EN 61000-4-3 | | |
| | | EFT - IEC/EN 61000-4-4 | | |
| | | CS - IEC/EN 61000-4-6 | | |
| | | Power-frequency Magnetic field - IEC/EN 61000-4-8 | | |
| | | Low Frequency Signals - IEC/EN 61000-2-2 | | |
| 63 | BIS | BIS Certified | | |
| 64 | Quality standard | IS 9001-2015 | | |
| 65 | Environment standard | ISO 14001 | | |
| 66 | OSHAS | ISO 45001 | | |
| 67 | IT security management | ISO 27001 | | |
| 68 | NABL Approved test report | Yes | | |
| 69 | Top 5 company in terms of revenue | Yes, Frost and Sullivan report | | |

Active Components (DHCP Gateway/Switches/SFP)

1)- 7x 1Gigabit and 1x SFP ports (Configurable) DHCP Gateway

Make _____ & Model _____

| S.No. | Specifications | Compliance Yes/No | Deviation, If Any |
|-------|---|-------------------|-------------------|
| 1 | Installation and supply of Security Gateway which is empowered by AI to level up network protection and tackles unknown t, empowered by cloud intelligence to level up network protection and tackles unknown threats, and also should have capability of all security services such as Web security, Application Security, Malware Blocker, Reputation Filter, etc. but also sandboxing and Secu Reporter with info graphic dashboard. | | |
| 2 | Device should support Intelligence Machine learning ecosystem that can strengthen its defense and stay immune to new unknown attacks. | | |
| 3 | Device should support Hybrid Scanning (stream based engine and a cloud query running simultaneously) for Leveling up Malware blocking to maximize malware detection rate. | | |
| 4 | Device should support Reporting applications to sees, analyses, and reports network threats so admin can be advised what security actions to take. | | |
| 5 | The security UTM should support optimally 250 users. | | |
| 6 | Device should have minimum 7x 1Gigabit and 1x SFP ports which are should be configurable as WAN or LAN. | | |
| 7 | Device should have USB3.0 ports for log storage and future support for | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| S.No. | Specifications | Compliance Yes/No | Deviation, If Any |
|-------|---|-------------------|-------------------|
| | Mobile internet backup | | |
| 8 | Devise should be 19" Rack-mountable, Finless, and Console port for recovery and configurations. | | |
| 9 | SPI firewall throughput 2600 Mbps, VPN throughput 900 Mbps, IDP throughput 1700 Mbps, Antivirus throughput 890 Mbps and UTM throughput 900 Mbps or better. Maximum throughput based on RFC 2544 (1,518-byte UDP packets) and VPN throughput measured based on RFC 2544 (1,424-byte UDP packets) | | |
| 10 | Max. TCP concurrent sessions 1,000,000, and Maximum sessions measured using the industry standard IXIA IxLoad testing tool | | |
| 11 | 300 nos. concurrent IPsec VPN tunnels and minimum 10 nos. concurrent SSL VPN | | |
| 12 | Device should support 64x VLAN interfaces or more | | |
| 13 | SPI firewall throughput should be 2600 Mbps or better. | | |
| 14 | Device also should have capability to manage maximum 72 Access Points and 8 nos AP from day one without license | | |
| 15 | Device should have security features such as Sandboxing, Web Security, Application Security, Malware Blocker, IDP(Intrusion Detection and Prevention), Reputation Filter, Geo Enforcer, Secure porter from day one. | | |
| 16 | Device should support 2-Factor Authentication | | |
| 17 | Device should have capability to create VPN tunnel with Microsoft Azure and Amazon VPC | | |
| 18 | Device should support 12 V DC, 4.17 A Power input | | |
| 19 | Max. power consumption should be 24 Watt or better. | | |
| 20 | Heat dissipation should be 70.65 BTU/hr or better | | |
| 21 | Accessories such as Power cord and Rack mounting kit should be supplied with the device | | |
| 22 | MTBF (hr)529,678 or better | | |
| 23 | To prevent the occurrence of EMC problems; device should have FCC Part 15 (Class B), CE EMC (Class B), RCM (Class B) BSMI. Also should support LVD and BSMI for safety. | | |
| 24 | OEM should have ISO45001:2018 and ISO14001:2015 certificate | | |
| 25 | All the certificates which are mentioned in compliance sheet should be submitted during the bidding/proposal. | | |
| | Compliance should be attached with tender on OEM Letterhead | | |
| 26 | All Active Product (DHCP Gateway/Switches/SFP) must be from the same OEM for better compatibility | | |
| 27 | Latest Datasheet should be attached with the Tender. | | |
| 28 | Bidder should be Authorized Dealer/System Integrator of the quoted product. (Manufacturer Authorization Certificate from the principal specific to the tender should be enclosed with the bid). | | |

2)- 32 Port Layer 3 Switch, 24 x SFP Ports, 4 x Gigabit Combo (RJ-45/SFP) Ports, 4 x 10 GbE SFP+

Make _____ & Model _____

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|----------|--|-------------------|-------------------|
| 1 | Hardware Specification | | |
| | Switch Should have Total 32 Ports Including 24 Gigabit SFP Port, 4 Combo Ports (SFP 100/1000 Mbps or RJ-45 10/100/1000 Mbps Ports) and 4x SFP+ 10G Ports | | |
| | Switch Should have 1x DB-9 Femal console port and 1x | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|----------|---|----------------------|----------------------|
| | 10/100Mbps RJ-45 out band management port | | |
| | Switch Should equipped with Dual redundant power supply | | |
| | Switch Should have Acoustic Noise value (dB): 40.8dB or better | | |
| | Switch Should have : Heat Dissipation (BTU/hr): 190.27, MTBF @ 25 °C 704,270 hrs or better | | |
| | Switch Should be EEE (Energy efficient Ethernet) | | |
| | The switch size must be 1U, 19 Inch Rack mountable. | | |
| 2 | Performance | | |
| | Switch should have at least 136 Gbps, non blocking of switching capacity, Switch forwarding rate should be at least 101 Mpps, 1.0 GHz Dual core ARM A9 CPU, 64 MB Flash and 1 GB RAM, Packet buffer memory should be 4 MB (Egress/Ingress) , Mac Table address should be 32 K | | |
| | Switch should support 8 hardware queue | | |
| | Switch must be capable of physical stacking upto 4 units or more, | | |
| | Switch should support at least 12K IPv4 and 1K IPv6 Static Routing Entries | | |
| | Switch should support at least 256 IP Interface and 8K IP Address Table | | |
| 3 | Interface | | |
| | Switch should support Up to 4K static/dynamic VLANs | | |
| | Switch should support IPv4 Interface | | |
| | Switch should support IPv6 Interface | | |
| 4 | L1 Service | | |
| | Switch should have Digital Device Monitoring Interface (DDMI) | | |
| | Switch should have Cable Diagnostic utility | | |
| 5 | L2 Services - MAC | | |
| | Switch should support Static MAC forwarding | | |
| | Switch should support: MAC PINN, MAC Freeze, MAC filter, MAC aging time | | |
| 6 | L2 Services - VLANs | | |
| | Switch should support Protocol Based VLANs | | |
| | Switch should support IP subnet Based VLANs | | |
| | Switch should support Guest VLAN | | |
| | Switch should support Private VLAN | | |
| | Switch should support MAC-based VLAN | | |
| | Switch should support : Voice VLAN, MVR | | |
| | IEEE 802.1x Guest VLAN, MAC-based VLAN, Unauthenticated VLAN | | |
| | Dynamic VLAN, GARP with GVRP/GMRP | | |
| | Layer 2 Protocol Tunneling(L2PT) | | |
| | Double VLAN Tagging (QinQ) | | |
| 7 | L2 Services - Availability | | |
| | Switch should support IEEE 802.3ad - LAGs, 16 groups/8 interfaces per group | | |
| | Switch should support LACP | | |
| | Switch should support Static LAGs | | |
| | Switch should support IEEE 802.3x (Full Duplex and flow control) | | |
| | Switch should support Per port Flow Control | | |
| | Switch should support : IEEE 802.1D STP, IEEE 802.1w RSTP, | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|-----------|--|----------------------|----------------------|
| | IEEE 802.1s MSTP 512 instance, MRSTP, | | |
| | Switch should support : BPDU Control, Loop Guard, Intrusion Lock, BPDU Guard, Spanning Tree Root Guard | | |
| 8 | L2 Services - Multicast | | |
| | Switch should support :- | | |
| | maximum group | | |
| | IGMPv2 Snooping | | |
| | IGMPv3 Snooping | | |
| | MLDv1 Snooping | | |
| | Immediated Leave | | |
| | Static L2 Multicast Filtering | | |
| | IGMP Snooping | | |
| | IGMP snooping Per VLAN | | |
| | Snooping Querier | | |
| 9 | L3 Services - Multicast | | |
| | Switch should support MLD Proxy | | |
| | Switch should support DVMRP | | |
| 10 | L3 Services - DHCP | | |
| | Switch should support IPv4, IPv6 DHCP Client | | |
| | Switch should support Ipv4, IPv6 DHCP Server | | |
| | Switch should support DHCP Relay | | |
| 11 | L3 Services - IPv4 Routing | | |
| | Switch should support 802.3ad (LAG) for router ports | | |
| | Switch should support Policy Based Route | | |
| | Switch should support VRRP | | |
| | Switch should support Multipath - ECMP | | |
| | Switch should support L3 Loopback Interface | | |
| | Switch should support RIP v1, v2 | | |
| | Switch should support OSPFv2 | | |
| 13 | L3 Services - IPv6 Routing | | |
| | Switch should support Multipath - ECMP | | |
| | Switch should support Neighbor Discover | | |
| 14 | Network Monitoring and Discovery Services | | |
| | Switch should support 802.1ab LLDP-MED | | |
| | Switch should support SNMP v1, v2c, v3 | | |
| | Switch should support RMON 1,2,3,9 | | |
| | Switch should support sFlow | | |
| | Switch should support OAM | | |
| 15 | Security | | |
| | Switch should support : Broadcast, Multicast, Storm Control, DoS (Control), BPDU filtering, ARP filtering, IPSG IPv4/v6, Static IP/MAC binding | | |
| | Switch should support : Dynamic IP/MAC binding, Dynamic to Static, DHCP Snooping IPv4/IPv6, ARP Inspection, | | |
| | Switch should support : WEB Authentication, Anti ARP Scan, SHA2 for HTTPS Certification | | |
| 16 | AAA | | |
| | Switch should support | | |
| | Authentication | | |
| | RADIUS - port-based | | |
| | RADIUS - MAC based | | |
| | TACACS+ | | |
| | Authorization | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|-----------|---|----------------------|----------------------|
| | RADIUS | | |
| | TACACS+ | | |
| | Accounting | | |
| | RADIUS | | |
| | TACACS+ | | |
| | Multiple RADIUS server | | |
| | Multiple TACACS+ server | | |
| | L1, L2, L3, L4 ACL | | |
| | Support Policy rule based on Permit, Drop, egress port, mirror, next hop, BMW, 1p mark DSCP remark | | |
| 17 | Quality of Service (QoS) | | |
| | IEEE 802.1p, trust/untrust mode | | |
| | Queue Method, WRR, WFQ, SPQ, WFQ+SPQ | | |
| | Queue Mapping 1p DSCP, 1p Queue, DSCP Queue | | |
| | TRTCM | | |
| 18 | Management | | |
| | Switch should support Configurable Management VLAN | | |
| | Switch should support iStacking (cluster) up to 24 switches | | |
| | Switch should support Physical Stacking up to 4 switches | | |
| | Switch should support HTTP, SSL/TLS, Telnet, SSH, FTP, TFTP | | |
| | Switch should support Dual Software (firmware) image | | |
| | Switch should support Dual Configuration file | | |
| | Switch should support Port descriptions | | |
| | Switch should support NTP/SNTP client | | |
| | Switch should support Daylight Saving | | |
| | Switch should support Port Mirroring based on Session, Tx/Rx/Both, M-to-1, Remote | | |
| | Switch should support Syslog (RFC 3164) | | |
| | Switch should support DNSv4 Client | | |
| | Switch should support Remote Access Control | | |
| | Switch should support Local Account | | |
| | Switch should support Privilege: Local, Remote, Level, configurable Exec | | |
| 19 | Environmental parameters and Certification | | |
| | Switch should have | | |
| | Safety | | |
| | ANSI/UL 60950-1 | | |
| | CSA 60950-1 | | |
| | EN 60950-1 | | |
| | IEC 60950-1 | | |
| | EMC | | |
| | FCC Part 15 (Class A) | | |
| | CE EMC (Class A) | | |
| 20 | The OEM Brand should be having valid ISO 9000, ISO 14000 certificates, all these certificates must be submitted in technical bid. | | |
| 21 | Compliance should be attached with tender on OEM Letterhead | | |
| 22 | All Active Product (DHCP Gateway/Switches/SFP) must be from the same OEM for better compatibility | | |
| 23 | Latest Datasheet should be attached with the Tender. | | |
| 24 | Bidder should be Authorized Dealer/System Integrator of the quoted product. (Manufacturer Authorization Certificate | | |

REQUEST FOR PROPOSAL (RFP)
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THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

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|--------|---|----------------------|----------------------|
| | from the principal specific to the tender should be enclosed with the bid). | | |

3)- 24 port PoE Layer-2+ managed Giga switch with 4 RJ45/SFP Uplink
Make _____ & Model _____

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|----------|---|----------------------|----------------------|
| | Make & Model: | | |
| 1 | Architecture & Performance | | |
| | Switch should have total 28 Nos. Gigabit port including 24 Nos. PoE of 10/100/1000 Mbps Ethernet Ports and 4 Nos. of dual personality (SFP/GbE) ports | | |
| | Switch should support Smart fan and fanless designs for silent operation in your workplace. | | |
| | Total PoE Power Budget 375 Watt | | |
| | Should support IEEE 802.3af PoE & IEEE 802.3at PoE Plus | | |
| | Should have flexibility to manage switch in standalone mode and Cloud management mode which allows ease deployment with real-time configurations, should be bundled with 1-Year Professional pack license for cloud managed and basic pack should be free from day one. | | |
| | Switch also support management with on-premises utility based management when cloud doesn't work. | | |
| | The Switch should have Non-blocking wire speed switch fabric and should be upgradeable to cloud managed switch if required with simple firmware upgrade and without changing the hardware. | | |
| | The Switch should have Non-blocking wire speed switch fabric, should have Min. 56 Gbps Back plane or more and should have Min. 42 Mpps. | | |
| | The Switch should support Min. 16K Mac address or more | | |
| | Should support IEEE 802.3az standard for minimize the power consumption on per port basis by supplying power on the basis of cable length and active ports only | | |
| | Should support Dual Software (firmware) image | | |
| 2 | Should support the following Standard | | |
| | IEEE 802.3 10BASE-T Ethernet ,IEEE 802.3u 100BASE-TX Ethernet ,IEEE 802.3ab 1000BASE-T Ethernet ,IEEE 802.3z 1000BASE-X Ethernet ,IEEE 802.3x flow control. | | |
| | IEEE 802.1D spanning tree protocol IEEE 802.1w rapid spanning tree protocol ,IEEE 802.1s multiple spanning tree protocol | | |
| | IEEE 802.1p class of service, priority protocols ,IEEE 802.1X port authentication ,IEEE 802.3ad LACP aggregation | | |
| 3 | Traffic Management and QoS | | |
| | Rate limiting: Rule-based/port-based bandwidth control, 64 kbps granularity | | |
| | Port-based egress traffic shaping | | |
| | Switch should support Jumbo frames of 9KB | | |
| | should support broadcast storm control to avoid unwanted traffic attack on CPU | | |
| | should support IEEE 802.1p with priority queues for different traffic types | | |
| | Supports IGMP/IGMP snooping v1, v2, v3 | | |
| | Should support congestion control on all ports | | |
| 4 | Link Aggregation | | |
| | IEEE 802.3ad LACP link aggregation compliant | | |
| | Up to 5 aggregation groups, | | |

REQUEST FOR PROPOSAL (RFP)
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THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|----------|--|-------------------|-------------------|
| 5 | Resilient Network | | |
| | Should support IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) | | |
| | Should support IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) | | |
| | Should support Multiple Rapid Spanning Tree Protocol | | |
| 6 | User Security and Authentication | | |
| | should support MAC filtering per port secures access to each port | | |
| | should support IEEE 802.1Q tag-based and port-based VLAN | | |
| | Switch should support Protocol Based VLAN, IP subnet based, Guest VLAN and MVR | | |
| | Should support IEEE 802.1x based on guest van and MAC-based | | |
| | should support Layer 2 Protocol Tunneling(L2PT) | | |
| | should support GVRP, automatic VLAN member registration | | |
| | should support at least 1K static VLAN, up to 4K dynamic VLAN | | |
| | should support Port-base VLAN & VLAN isolation | | |
| | should support limited MAC number per port | | |
| | Should be capable to set mac ageing time | | |
| | should support Loop guard to avoid loops in network generated on unmanaged switches | | |
| | should support RADIUS MAC login | | |
| | should support 802.1X port-based authentication, compensated assignment over VLAN and bandwidth for valid access | | |
| | Should support 802.1ab LLDP and MED | | |
| | Should support NTP , Syslog and DNS client | | |
| | Support Vendor ID based VLAN. | | |
| 7 | Network Administration Security | | |
| | should support SSL | | |
| | Should support static and dynamic IP-MAC and Port binding for port security | | |
| | Should support DHCP snooping to set the authorised ports to communicate with DHCP servers | | |
| | Should support ARP inspection | | |
| | Should support AAA through Radius and Tacacs+ servers | | |
| 8 | IPv6 Support | | |
| | IPv6 addressing architecture (RFC 4291), Dual stack (RFC 4213), ICMPv6 (RFC 4443), Path MTU (RFC 1981), Minimum path MTU size of 1280 (RFC 5095), Encapsulation for maximum MTU of 1500, • Neighbor discovery (RFC 4861) • DHCPv6 relay, Default DHCP client mode, DAD (Duplicated Address detection) | | |
| 9 | Network Management | | |
| | Web-based management ,SNMP v1, v2c, v3 | | |
| | RMON four RMON groups 1, 2, 3, 9 (history, statistics, alarms and events) for enhanced traffic management, monitoring and analysis | | |
| | Port mirroring: supports source/destination/both port mirroring | | |
| | Switch should be supplied with management software to manage and maintain multiple layer2 switches for Centralized and batch configurations like IP configurations, IP renew, Web Gui access, Firmware update, device locating etc. | | |
| | Should support flow for traffic analysing | | |
| | Should support OAM and Connectivity fault management | | |
| | Should have Cluster Stacking to manage up to 24 switches by single IP address, ans also should be able to reset the neighboring devices remotely to factory default. | | |
| | Should support discovery feature to discover neighboring devices. | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|-----------|---|-------------------|-------------------|
| 10 | Intelligent ACL (L2/L3/L4 Access List Control) | | |
| | Based on MAC address , VLAN, IP address, Protocol, TCP/UDP type and DSCP | | |
| 11 | Certification | | |
| | CE-LVD ,FCC, CE ,BSMI , RoHS Compliant | | |
| | The OEM Brand should be having valid ISO 9000, ISO 14000 , all these certificates must be submitted in technical bid. | | |
| | All switches and modules must be from the same OEM for better compatibility | | |
| 12 | Environmental specifications | | |
| | Operating temperature 0 DegC to 50 Deg C, MTBF should support more than 690,000 hours | | |
| | Operating Humidity 10% to 95 % (Non condensing) | | |
| 13 | Switch should be able to automatically detect the power consumption status of each Powered Device and supply only the amount of power required to minimize the waste and unused power. | | |
| 14 | Compliance should be attached with tender on OEM Letterhead | | |
| 15 | All Active Product (DHCP Gateway/Switches/SFP) must be from the same OEM for better compatibility | | |
| 16 | Latest Datasheet should be attached with the Tender. | | |
| 17 | Bidder should be Authorized Dealer/System Integrator of the quoted product. (Manufacturer Authorization Certificate from the principal specific to the tender should be enclosed with the bid). | | |

4)- Supply of 1G Single Mode Transceivers :

Make _____ & Model _____

| Sr. No | Specifications | Compliance Yes/No | Deviation, If Any |
|--------------------------|---|-------------------|-------------------|
| Make & Model: | | | |
| 1 | Transceivers should be freely added when required, and infrastructure upgrades or transceiver repairs can be done easily by just replacing the transceiver instead of the whole device. | | |
| | The transceiver should support data transmission upto 10KM on single mode optical fiber. | | |
| 2 | The transceiver should be DDMI enabled and it should monitor following. | | |
| | Temperature | | |
| | Supply voltage | | |
| | Transmitted bias current | | |
| | Transmitted power | | |
| | Received power | | |
| 3 | The transceiver should have following Safety Certifications. | | |
| | Class 1 Laser | | |
| | 21 CFR 1040.10 and 1040.11 compliant | | |
| | CSA (Gigabit SFP and Fast Ethernet SFP Series) | | |
| | TUV | | |
| 4 | Environmental Specifications | | |
| | Operating temperature: 0°C to 70°C (32°F to 158°F) | | |
| | Storage temperature: -40°C to 85°C (-40°F to 185°F) | | |
| | Compliance should be attached with tender on OEM Letterhead | | |

REQUEST FOR PROPOSAL (RFP)

FOR

THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

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|--------|---|-------------------|-------------------|
| 5 | All Active Product (DHCP Gateway/Switches/SFP) must be from the same OEM for better compatibility | | |
| 6 | Latest Datasheet should be attached with the Tender. | | |
| 7 | Bidder should be Authorized Dealer/System Integrator of the quoted product. (Manufacturer Authorization Certificate from the principal specific to the tender should be enclosed with the bid). | | |

Passive Components

[1]- CAT 6 Patch cord 5 M, 3 M & 1 M (Blue, Yellow, Red & Green)

| S. No | Description | Parameter | Compliance Yes/No | Deviation, If Any |
|----------|---|---|-------------------|-------------------|
| 1 | Conductor size: | 24 AWG stranded copper wire | | |
| 2 | Nom. O.D. | 5.9mm | | |
| 3 | Sheath | LSOH | | |
| 4 | Bend radius: | 4X O.D. | | |
| 5 | Boots | Transparent Plug with anti-snap slip on boots | | |
| 6 | RJ45 Plug Standard | ISO/IEC 60606-7-4 and FCC 47 Part 68 | | |
| 7 | Sheath Standards | Fire Propagation compliant with CSA FT1, IEC 60332-1, IEC 61034 | | |
| 8 | Operating temperature range: | -20°C to 60°C | | |
| 9 | MIN operating life | : 750 insertion cycles | | |
| 10 | RJ45 plug and boot material: | Clear polycarbonate | | |
| 11 | Contact material: | 0.35mm thick copper alloy | | |
| 12 | Contact plating: | Selective gold | | |
| 13 | RJ45 plug dimensions compliant with: | ISO/IEC 60603-7-4 and FCC 47 Part 68 | | |
| 14 | Commercial Standards | ISO/IEC 11801:2002/Amd 2:2010 Cat 6-, TIA-568-C.2 Cat 6 | | |
| 15 | Verified | UL/ETL Verified | | |
| 16 | Fire Propagation Tests: | LSOH Sheath: CSA FT1, IEC 60332-1, IEC 61034 | | |
| 17 | Standard length available | 0.5mt to 10 mt | | |
| 2 | UTP Patch Panel 24 Port loaded for Cat-6 | | | |
| 1 | | Features | | |
| | | It must be made of cold rolled steel, shall be loaded individually replaceable Category- cat6 I/O Jacks. Each jack for the jack panel must provide a Cap on jack panel or Shutter on I/O to avoid dust and contaminates entering the jack & for 100% dust free environment. | | |
| | | Have port identification numbers on the front of the panel. | | |
| | | Should have self-adhesive, clear label holders (transparent plastic window type) and white designation labels with the panel, with optional color labels / icons. | | |

REQUEST FOR PROPOSAL (RFP)

FOR

THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100 DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | |
|----------|---|---|--|--|
| | | Each port / jack on the panel should be individually removable on field from the panel. | | |
| | | Should be supplied with metallic integrated rear cable management shelf as for cable strain relief and neat cable dressing. | | |
| | | Port numbering is provided on the front and rear of the panel | | |
| | | Jack Panel shall be RoHS Compliant, should be certified by UL. Certificates. | | |
| | | Jack panel should be certified by UL. | | |
| 3 | CAT 6 4 Pair UTP Cable Indoor | | | |
| 1 | Type | Unshielded twisted pair cabling system, TIA / EIA 568-C.2 Category 6 Cabling system, CM/CMR rated cable | | |
| 2 | Network support | Supports ultrahigh speed data networks such as Gigabit Ethernet (1000 Base-T and 1000 Base-TX) and beyond. | | |
| 3 | TIA / EIA 568-B.1 | ETL Verified, UL Listed and UL channel verified- All three Certificates are mandatory | | |
| 4 | IEEE 802.3ab | Zero-bit Error, ETL verified | | |
| 5 | Warranty | 25-year systems warranty; Warranty to cover Bandwidth of the specified and installed cabling system, and the installation costs. Site certificate must be issued by OEM | | |
| 6 | Performance characteristics to be provided along with bid | Attenuation, Pair-to-pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR for 4-connector channel | | |
| 7 | Manufacturer | All passive cabling must be from same OEM (UTP and Fiber) | | |
| 8 | Conductors | 23 AWG solid bare copper | | |
| 9 | Insulation | Polyethylene | | |
| 10 | Approvals | UL Listed ETL verified to TIA / EIA Cat 6 | | |
| 11 | Frequency tested up to | 600 MHz minimum | | |
| 12 | Packing | Box of 305 meters | | |
| 13 | Impedance | 100 Ohms + / - 15 ohms | | |
| 14 | Performance characteristics to be provided along with bid | Attenuation, Pair-to-pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR | | |
| 15 | Delay Skew: | 45ns Max | | |
| 16 | Impedance: | 100 ± 15 Ohms | | |
| 17 | Current Rating: | 1.5 A Max | | |
| 18 | Conductor DC Resistance: | 66.5Ω/km | | |
| 19 | Voltage: | 150VAC | | |
| 20 | Propagation delay: | 535ns/100m @250MHz | | |
| 21 | Mutual Capacitance: | 5.6nF/100m Nominal | | |
| 22 | Insulation Resistance: | 500 MΩ Minimum | | |
| 23 | Dielectric Strength: | 1000 V RMS | | |
| 24 | Contact Resistance: | 10 Ω Max | | |
| 4 | Information Outlet (I/O) RJ45 CAT6 | | | |
| | Features and Benefits | | | |

REQUEST FOR PROPOSAL (RFP)
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DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | |
|----------|-----------------------------------|--|--|--|
| | | Should guarantee to meet or exceed the channel specifications of Amendment 1 to ISO/IEC 11801: 2002 Class EA and ANSI/TIA-568-C.2 Category 6 | | |
| | | Features pointed IDC towers to speed termination | | |
| | | and enhance cable retention | | |
| | | Dual color-coding allows for 568 A/B wiring | | |
| | | configuration | | |
| | | Can be terminated using industry standard | | |
| | | punch-down tools | | |
| | | RJ-11 compatible | | |
| | | Molded category identification on I/O face as well | | |
| | | as optional port identification icons | | |
| | | USOC Wiring Sequences Available | | |
| | Dust Proof | RJ45 Jack should be supplied with Cap or Shutter to avoid Dust. If the dust cover not available on faceplate | | |
| | RJ45 I/O Compatibility | 2a. Individual Compatible RJ45 Jack | | |
| | | 2b. Pointed IDC Tower on RJ45 Jack for easy termination | | |
| | Mechanical Characteristics | | | |
| | Plastic Housing: | Thermoplastic UL94V-0 rated or equivalent | | |
| | Operating Life: | Minimum 750 insertion cycles | | |
| | Contact Material: | Copper Alloy | | |
| | Contact Plating: | 50μ" Gold/100μ" Nickel | | |
| | Contact Force: | 100g minimum | | |
| | Plug Retention Force: | 11 lbf minimum | | |
| | IDC Connector | | | |
| | Plastic Housing: | Thermoplastic UL94V-0 rated or equivalent | | |
| | | | | |
| | Operating Life: | Minimum 20 re-terminations | | |
| | Contact Material: | Copper Alloy | | |
| | IDC Contact Plating: | Tin/Lead Plate | | |
| | Wire Accommodation: | 22-24 AWG solid | | |
| | Electrical Characteristics | | | |
| | Interface Resistance: | 20 milliohms | | |
| | Initial Contact Resistance: | 2.5 milliohms | | |
| | Insulation Resistance: | >100 Megaohms | | |
| | certification | | | |
| | | Should be covered by UL/ETL certification program. | | |
| | | | | |
| | | | | |
| 5 | Faceplate single or duplex | | | |
| | Characteristic | Min. Required Specification | | |
| | Features | Single Gang square plate, 86mmx86mm, Write on labels in transparent plastic window – supplied with plate | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | |
|----------|--|--|--|--|
| | | Screw hole covers – to be supplied with plate, Plug in Icons – Icon tree – to be supplied with plate | | |
| | | Face Plate Shall be supplied with Gang Box of the same OEM if manufactured by OEM or equivalent Brand (Legrand , Anchor & Havells or Equivalent Manufacture) if not manufactured by OEM. | | |
| | | Should be able to support variety of jacks – UTP, STP, Fiber, Coax etc. | | |
| | | The either the faceplate should be with shutters or in case without shutters I/O should have provision with shutter | | |
| 6 | Single Mode fiber 6 core: -Armored Uni-Tube, 9/125µm, OS 2 Type Optical Fiber Cable | | | |
| | Cable Type | Optical fibers in water blocked loose tube, taped, corrugated steel tape armored (STA) polyethylene (HDPE) outer sheathed embedded with two steel wires on the periphery. The cables are with UV Stabilized PE Jacket and protected from Rodent attacks. Complying to ISO/IEC 11801, EN50173, ANSI/TIA 568-C.3, Telcordia GR-20; suitable for use in indoor / outdoor ducts, direct burial and backbone cabling. | | |
| | Fiber Type | Single Mode, 9/125-micron primary coated buffers, OS2 (IEC 60793-2-50, B1.3 and ITU T G652.d). | | |
| | Construction type | Uni-tube construction, | | |
| | Tube: | Polybutylene, Terephthalate (PBT) | | |
| | Tube color: | White | | |
| | Tube diameter | 3.0/2.0 mm nominal OD/ID | | |
| | No of fibers: | 4/6/8/12 | | |
| | Fiber color sequence | Blue, Orange, Green, Brown, Slate (Grey), White, Red, Black, Yellow, Violet, Pink, Aqua | | |
| | Water Blocking | Thixotropic Gel (Tube) Petroleum Jelly (Interstices) | | |
| | Core Wrapping | Polyethylene Terephthalate | | |
| | Armoring: | Corrugated Steel Tape Armor (ECCS Tape) Thickness > 0.125mm | | |
| | Peripheral Strength Member | Two Steel wires (0.9 mm dia) | | |
| | Ripcord: | Polyester based yarns below armored tape for easy ripping | | |
| | Outer Sheath | UV Stabilised Polyethylene (HDPE) | | |
| | Sheath thickness | 2.0 mm nominal | | |
| | Sheath color | Black | | |
| | Standards | ISO/IEC 11801 2nd Edition, type OS1/OS2; AS/ACIF S008; AS/NZS 3080 ; TIA/EIA 568.C.3; IEC-60793-1, 60793-2 EN50173, ANSI/TIA 568-C.3, Telcordia GR-20; suitable for use in indoor / outdoor ducts, direct burial and backbone cabling, RoHS Complaint | | |
| | Mechanical characteristics | Required Value | | |

REQUEST FOR PROPOSAL (RFP)

FOR

THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100 DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | |
|----------|---|---|--|--|
| | Dimensions and Mass Overall, Cable (Nominal): | 9.0 MM | | |
| | Mass (Nominal) | 80 kg/km +- 1o % | | |
| | Cable length | 2 km ± 10% | | |
| | Max. Bending Radius (During installation) | 20 X Overall diameters | | |
| | Max. Bending Radius (During full load): | 10 X Overall diameters | | |
| | Max. Tensile Strength-Short Term | 1500N | | |
| | Max. Crush Resistance-Short Term: | 2000N/10 cm | | |
| | Operating Temperature range | . -20°C ±70°C | | |
| | | Electrical/Optical Characteristics | | |
| | Attenuation | Characteristics-Optical Performance Max. Attenuation (Cable with fibers) At 1310 nm: 0.35 dB/km At 1550 nm: 0.22 dB/km Max. Average Attenuation; At 1310 nm: 0.33 dB/km At 1550 nm: 0.21 dB/km | | |
| 7 | 12/24 Port Fiber Optic Rack Mount LIU | | | |
| | Operating temperature | -20 Degree C to +70 Degree C or better | | |
| | Fiber Optic Patch panels | 6/12/24 Ports Loaded | | |
| | FMS- Front Patching / Splicing Shelf | 1U 19" / ETSI versions available | | |
| | | The FMS fiber management shelf series is ideal for high density front patching applications. | | |
| | | Its compact design and high density capacity allows it to deliver carrier class fiber management to central offices, Pops, FTTx, mobile systems and LANs. | | |
| | High Density | 1U: 12/24 Fiber terminations Upgradable Upto 48 SC port in 2 U | | |
| | | Should be supplied loaded with secondary coated SC pigtails, Splice Tray & Splice Protector | | |
| | | Mounting brackets can be placed in different positions | | |
| 8 | SC-LC Type 9/125µm Single mode OS2 Optical Fiber Patch Cords:- | | | |
| | Connectors | The optical fiber patch leads shall comprise of Single-mode 9/125µm OS2 fiber with Duplex Zipcord, 2XLC type fiber connectors terminated at one end and 2X SC type fiber connectors at other end of the patch cord. | | |
| | Cordage O.D | (Duplex): 2.0mm ± 0.1mm x 4.1± 0.2mm | | |
| | Buffer Diameter | 900µ tight buffer | | |
| | Strength Member | Aramid Yarn | | |
| | Jacket Material | LSOH IEC 61034-1 & 2,IEC-60332-1, IEC-60754-1 & 2 | | |
| | Connector Loss | 0.30dB(max) | | |
| | Operating Temperature | -40°C to +85°C | | |
| | Certificate | ETL Tested | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| | | | | |
|-----------|--|---|--|--|
| | Standards | ISO/IEC 1108:2008, ANSI/TIA/ EIA 568.C.3, ANSI/TIA/EIA-492, TELECORDIA GR-409, ICEA-596 | | |
| 9 | Optical Fiber Pigtails SM - SC Type | | | |
| | Characteristic | Minimum Specifications | | |
| | | Single Mode 9/125μ | | |
| | | Connector Type - SC | | |
| | | Should be LSZH as per IEC 60332 | | |
| | | Should be 100% factory tested | | |
| | | Optical Performance of Pigtails: | | |
| | | Should be of ROHS | | |
| 10 | Duplex SC Adaptor | | | |
| | Characteristic | Minimum Specifications | | |
| | | Single Mode 9/125μ | | |
| | | Connector Type - SC | | |
| | | Operating Temperature -40 to +75°C | | |
| | | 990 Cycles Minimum | | |
| | | Polymer Housing | | |
| | | RoHS Compliant | | |

L1 Bidder selection will be done on Total Bid amount (Excluding GST).

IMPORTANT NOTICE: -

(Applicable for all Technical Specifications)

- In case the bid of any bidder is accepted and at later it is found that the specifications of any item do not match with the "**Technical Specifications**" & "**SLA**" given in this tender document, the purchaser may ask for the product of its choice.
- The bidder has to specify the **Make/Model** of all the quoted items.
- The Bidder has to submitted the **Technical Compliance Data Sheet** of the all-Quoted Items
- **UPS Technical Specification provided by the Bidder in their technical bid**
- The bidder may quote higher configuration available at present, but no advantage will be given.
- The Bidder may submit rates for all items of BoQ.
- Rates should be valid for 1 Year after opening the Financial Bid.
- **BOQ Point No. 8** Miscellaneous work described by the Bidder as per Location of ATM Kiosk and bidder described the miscellaneous work mention in the Technical Bid.
- **Cloud Service provided by the bidder should be Meity Empaneled Cloud Hosting in India. Relevant Document Submit by the Bidder on their technical e-Bid**

Date:

Place:

Signature and seal of the Bidder

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III(D) : BID SECURITY FORM

Whereas _____ (Name of the Bidder) (Hereinafter called "the Bidder") has submitted its bid dated _____ (Date of Submission of bid) for the supply of _____ (name and description of the goods)

(Hereinafter called "the Bid")

KNOW ALL People by these presents that WE _____ (Name of the Bank) of _____ (name of the country), having our registered offices at _____ (address of Bank) (hereinafter called "the Bank"), are bound unto _____ (name of the Purchaser) (hereinafter called "the Purchaser") in the sum of its successors, and assigns by these presents. Sealed with the common seal of the said Bank this ____ Day of ____ 20__

The CONDITIONS of this obligation are :

1. if the Bidder
 - a. withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
 - b. does not accept the correction of errors in accordance with the ITB; or
 - c. modifies its bid price during the period of bid validity specified by the bidder on the bid form; or
2. if the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity :
 - a. fails or refuses to execute the Contract Form if required; or
 - b. fails or refuses to furnish the performance security in accordance with the ITB;

We undertake to pay the Purchaser up to the amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in the demand the Purchaser will note that the amount claimed by it is due to it, owing to occurrence or one or both of the two conditions, specifying the occurred conditions.

Seal and signature of the bidder _____
with Name of Authorised
Official signing the tender document

SECTION III(E) : CONTRACT FORM

This Agreement is made on ----- day of ----- in the year 2018 at Lucknow.

BETWEEN

UP Electronics Corporation Ltd., a Govt Company, registered under the Companies Act, 1956, and having its registered office at 10-Ashok Marg, Lucknow, India.” (Hereinafter referred to as “the Purchaser”) which expression shall unless repugnant to the context or meaning thereof include its successors, legal representatives and permitted assigns) of the ONE PART.

AND

----- (Name of Supplier Company/firm), a proprietary/ partnership firm / Public/ Private Limited company having its registered office ----- of (City & Country of Supplier) (Hereinafter called “the Supplier” which expression shall unless repugnant to the context or meaning thereof include its successors, legal representatives and permitted assigns) on the OTHER PART.

2 WHEREAS the Purchaser is desirous to purchase certain Computer hardware, their delivery, installation and onsite maintenance warranty services and has accepted a bid tendered by the Supplier for the supply of these goods and services in the sum of Rs (contract price in words and figures) (hereinafter called the "Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- (1.) In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to in the Tender Document of UPLC Tender No
- (2.) The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the e-Bid Form and approved rates;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the Conditions of Contract; and
- (3.) In consideration of the payment to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- (4.) The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the value of ordered items on the Contract rates or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

DELIVERY & INSTALLATION SCHEDULE :

3 All the items shall be delivered and installation within 06 to 08 months from the date of issue of the purchase order and installed within one month thereafter or as specified in the respective Purchase Order. The pre dispatch inspection of the items shall be done by the Purchaser before delivery at final destination. The Delivery and Installation Reports of the supplied material shall be required to be furnished to the purchaser for release of payment.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

ARBITRATION

4 In case of any dispute/difference between the parties in relation to this Agreement, the matter shall be referred for Arbitration to the person nominated by MD UPLC, who will be the Sole Arbitrator to decide the dispute/difference between the parties. The decision of Arbitrator shall be final and binding on both the parties. The Courts will have exclusive Jurisdiction at Lucknow.

5 In WITNESS whereof the parties hereto caused this Agreement to be executed in accordance with their respective laws and signed on their respective behalf by their duly authorized officials at the place and on the date first herein above-written.

On behalf of Purchaser

On behalf of Supplier

| | |
|--|---|
| 1. ----- (Name of Authorised person, designation) and delivered by the said) | 1. ----- (Name of Authorized person, designation) Signed, sealed and delivered by the said) |
|--|---|

2. -----

2. -----

in the presence of

1. -----

1. -----

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III(F): PERFORMANCE STATEMENT FORM

Proforma for Performance Statement (for a period of last three financial years)

Name of Company/Firm.....

| Order placed by (Full address of Purchaser) | Order No & Date | Description & Quantity of ordered equipment | Value of Order (₹) | Date of Completion of Delivery | | Remarks indicating reasons for late delivery, if any | Has the ordered equipment been satisfactorily installed & function-in? |
|---|-----------------|---|--------------------|--------------------------------|--------|--|--|
| | | | | As per Contract | Actual | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | |

Signature and Seal of the E-Bidder
With name of the authorized person

REQUEST FOR PROPOSAL (RFP)
FOR

THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III(G): SERVICE SUPPORT DETAILS

| Sl No | Name & Complete address of Service Centre (Only e-Bidders service centre) | Service Centre Details | | | | | | | Types of CCTV Cameras and other items serviced in last 3 years |
|-------|---|--------------------------------------|-------------------------------|---------------------------------------|--------------------|--------------------|----------------|--|--|
| | | Name of Head Person & Contact Number | Phone/ Fax No/ E-mail address | Status of office working days & Hours | No of HW Engineers | No of SW Engineers | No of HW Staff | Value of Min. Stock Available at all times | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

Signature and Seal of the bidder.....
With name of Authorized person
Signing the document.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III (H): CAPABILITY STATEMENT (CS)

1. (a) Name and complete mailing address of the business/sales office of the bidder.

(b) Name of Authorized Official

(c) Phone:

(d) Fax:

(e) E-mail:

(f) Principal place of business

(g) Website of Bidder's Firm

2. Strength of business/sales office of bidder:

(i) No. of Marketing personnel:

(ii) No. of Technical personnel:

(iv) No. of Service Engineers

(v) No. of Supporting personnel:

3. Classification Manufacturer (OEM)/ or authorized Dealer/Agent/Supplier

4. Complete mailing address of manufacturing plant of Computer hardware/ Other Items:

5. Type of equipment manufactured and supplied by OEM of Computer hardware/ CCTV cameras or Other Items during the last 3 financial years:-

| Year | Name of equipment | Capacity/Size | Nos. Manufactured | No. of CCTV Cameras / Other Items supplied in India |
|------|-------------------|---------------|-------------------|--|
| | | | | |

6. Type of equipment supplied during the last 3 financial years other than those covered under above :

| Year | Name of equipment | Capacity/Model | Name of manufacturer and country of origin | Total No. of CCTV Cameras / other items installed in India |
|------|-------------------|----------------|--|---|
| | | | | |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

7. Turnover of the bidder's company in last three financial years:
(Please fill the figures. Do not quote "As per enclosures")

| Financial year | Turn Over ₹ in crores | Profit ₹ in crores (after taxation) | Remarks |
|----------------|--------------------------|---|---------|
| 2019-20 | | | |
| 2020-21 | | | |
| 2021-22 | | | |

8. Validity date of ISO Certifications of bidder/OEMs/Dealers/Agent/Supplier, if any
9. The e-Bidder/ OEM should clearly confirm that all the facilities exist in his office/factory for inspection and testing of all the **CCTV Cameras** and related items quoted in the e-Bid and these will be made available to the Purchaser or his representative for inspection. Also provide details of methodology, testing equipment & diagnostic tools available for testing of all the technical specifications of the offered items and their proper functioning.
-
-

10. Details of Manpower available at the factory/ plant:

1. Quality assurance
2. Production
3. Marketing
4. Service
5. Spare Parts
6. Administrative

11. Names of three buyers to whom similar equipments were supplied in the last three financial years and to whom reference may be made by the Purchaser regarding the bidder's performance for timely completion of delivery, installation and after sales service support:

- A. (i) Complete address of the buyer:
.....
- (ii) Name & designation of contact person
.....
- (iii) Mobile/Phone/Fax No./E-mail
address:.....

12. (a) Whether the e-/OEM has a manufacturing unit in the state of Uttar Pradesh (Yes/No)
- (b) If yes, the manufacturing unit falls into which type of industry unit (Small/Medium/Large Scale) as per govt. norms.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

(c) If yes, name of items along with item code of e-tendered items which have been manufactured by your firm and quoted in this e-tender.

13. Details of Service Centers of the e-Bidder/OEM in Uttar Pradesh only:

| Sl. No. | Address of Service Centre | Name and Contact No of Service Engineer | Details of supporting documents submitted for proof of Service Centre |
|---------|---------------------------|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

Seal and signature of the bidder _____
with Name of Authorized
Official signing the agreement.

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION III (I): PERFORMANCE SECURITY FORM

Ref:
Date:
Bank Guarantee No:

To : U.P. Electronics Corporation Ltd
10, Ashok Marg,
Lucknow 226001

WHEREAS(Name & address of Supplier) hereinafter called "the Supplier" having been placed the Purchase Order Nodated by U.P. Electronics Corporation Limited, 10-Ashok Marg, Lucknow (hereinafter called "the customer") for the supply of (Description of Goods and Services) and having been made full payment against the same to the Supplier, we(Name & address of branch office as well as Head Office of the Bank) (hereinafter referred to as "the Bank) do hereby affirm that we are Guarantors and responsible on behalf of the Supplier and undertake as under:-

- i. To indemnify and keep indemnified the customer to the sum of Rs/- (Rupees) only for the losses and damages that may be caused to or suffered by the customer in the event of continuous and consistent non-performance of the (Equipment and materials to be mentioned exactly as mentioned in the Purchase Order/Work Order) supplied by the supplier against above referred Purchase Order issued by the customer.
- ii. The guarantee herein contained shall remain in full force and effect till the expiry of warranty period i.e. up to for the material supplied by the supplier.
- iii. The Guarantee shall not in any way be affected by the change in the constitution of the supplier or us nor shall be affected by the change in the constitution, amalgamation, absorption or reconstruction of the customer or otherwise, but shall ensure for and be available to and enforceable by the absorbing, amalgamation or reconstructed company of the Customer.

Notwithstanding anything contained hereinbefore:

- 1. Our liability under this Bank Guarantee shall not exceed Rs/- (Rupees)
- 2. This Bank Guarantee shall be valid up to
- 3. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only, and only if you serve upon us a written claim or demand on or before upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument any sums within the limit of ----- only as aforesaid, without your needing to prove or to show grounds or reasons for your reasons for your demand or the sum specified therein.

Signature and Seal of Guarantors Bank

.....
Date.....20.....

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION- III (J)- BIDDER ELIGIBILITY CRITERIA

| SN | Qualifying Criteria | Document's Required |
|-----|---|---|
| 1) | The Bidder should be registered as Company/Firm in India. 1) The company registered under the Companies Act, 1956/2013 (and amendments thereof) <p style="text-align: center;">Or</p> | 1) Copy of Incorporation Certificate of the Company. |
| | 2) A Partnership firm registered under Partnership Act, 1932 <p style="text-align: center;">Or</p> | 2)- Copy of Partnership Deed/Certificate |
| | 3) Sole Proprietorship Firm | 3)- Copy of Registration Certificate & GST |
| 3) | Bidder should submit the PAN No. | Copy of PAN Card of Bidder |
| 4) | Bidder should submit the GST No. | Copy of GST Certificate |
| 5) | Turnover (In India) The BIDDER should have an average annual turnover of at least 2 Cr. during the last three financial years 2020-21 2021-22 2022-23 | a)- Certificate from the Statutory Auditor or Chartered Accountant on Turn Over and Positive Net worth b. Audited Balance Sheets and Profit & Loss statement |
| 6) | Positive Net Worth (In India) The BIDDER should have positive Net Worth in each of the last three Financial Years 2020-21 2021-22 2022-23 | a)- Certificate from the Statutory Auditor or Chartered Accountant on Turn Over and Positive Net worth b. Audited Balance Sheets and Profit & Loss statement |
| 7) | Bidder must submit Last 3 Year ITR 2020-21 2021-22 2022-23 | Relevant supporting documents. |
| 8) | Bidder must have GSTR-9 & GSTR-9C/GSTR-1 & 3B form for Financial Year 2022-23 | Relevant supporting documents. |
| 9) | BIDDER should be in operation (IT/IT'ES) in India for the last five financial years preceding bid due date 2020-21 2021-22 2022-23 | Copy of work order/s or experience/completion certificate/client certificate for any project in India for each Year |
| 10) | Insolvency / Bankruptcy : The BIDDER must not have been declared insolvent/ bankrupt or should not have filed for insolvency/ bankruptcy or in the process of being declared bankrupt before any designated authority preceding bid due date. | A Self Declaration on the Letter head of the BIDDER regarding Bidder Company not being bankrupt or in process of being declared insolvent / bankrupt |
| 11) | The BIDDER should not have been blacklisted by the Central Government, State Governments, PSU or any Government Corporations in India, preceding bid due date | Notarized Self-Declaration on non-judicial Rs. 100 Stamp paper for not being blacklisted |
| 12) | Certification the bidder should have ISO 9001:2015, 20000:2018 / 27001:2013 or Latest | Bidder Submitted Copy of Certificate |
| 13) | Bidder should submit the Power of Attorney for Authorization to sign Bidder's e-Bid Documents/ Contract by competent Authority. | Power of Attorney/Relevant documents. |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| SN | Qualifying Criteria | Document's Required |
|-----|---|---|
| 14) | The bidder must provide Tender Specific Manufacturer Authorization forms (MAFs) from OEMs [CCTV Camera, Switch, LED Display & UPS] in the name of the bidder authorizing them to quote in this tender on their behalf. They should also provide technical compliance and brochures from OEMs and other documents. An authorization letter from the OEM needs to be submitted in original. The authorization letter should clearly specify the warranty terms of the products supplied. | Bidder have valid Authorization from OEM |
| 15) | The Bidder must have GST Registration in Uttar Pradesh and 01 Registered Office in Lucknow for providing service & support. | Details of Office Address of Bidder |
| 16) | The bidder must provide escalation matrix with the details of technical team | Relevant supporting documents. |
| 17) | The OEM must comply make in India compliances [CCTV Camera] | Relevant supporting documents. |
| 18) | The bidder must submit the Technical Compliance sheet with Make & Model of the quoted items on their letter head. | The Bidder should submit the Technical Compliance of Each Product from their Letter Head. |
| 19) | The bidder must submit the Technical Compliance Sheet of the OEM Letter Head [CCTV Camera, Switch, LED Display & UPS] | The OEM should submit the Technical Compliance of their Letter Head. |
| 20) | The Bidder should have executed at least one project involving supply of Switch/Networking Project in last three Year. One work order of value at-least 35 Lakh or Two work orders of value at-least 25 Lakh or Three work orders of value at-least 20 Lakh | Work Orders and its Completion Certificate/Acceptance Certificate from client is mandatory to submit along with the Order |
| 21) | Bidder Should Have Proof of Supply and Installation at Lease 60 Nos CCTV Camera /AV (Audio Video) Value of 15 Lakh Or More to any Government/PSU Organization in Last three Years. | Copies of Purchase Order and Its Satisfactory Installation Report/Undertaking by the Bidder with details of Client. |
| 22) | The Bidder should have Min. 05 Service Engineers on their office in Lucknow for Service support. | Undertaking from the Companies HR Head/ Company Secretary stating the number of Service Engineers with their qualification. |
| 23) | Warranty Undertaking | Undertaking of the Warranty Period of Required Product should be submitted on Bidder & OEM Letter head |
| 24) | All systems and components must be in compliance with CE/ FCC/ UL/BIS certifications. Model wise, series wise details should be available on the BIS website. | Certification Required from OEM |
| 25) | The OEM should have its own dedicated CCTV support center available during working hours, and also a fully equipped repair and maintenance office in India. Full disclosure should be made on this to ensure that the OEM can be contacted in case there are any requirements in future. | Reverent Document Required from OEM |
| 26) | The OEM of CCTV should have its own factory in India and the factory should be registered in the OEMs name itself. The OEM should offer India factory license in its own name. OEMs getting their products manufactured by a third party manufacturing company will not be considered eligible. | Reverent Document Required from OEM |

REQUEST FOR PROPOSAL (RFP)
FOR
THE SUPPLY, INSTALLATION AND COMPREHENSIVE WARRANTY MAINTENANCE SERVICES OF CCTV, AT 100
DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

| SN | Qualifying Criteria | Document's Required |
|-----|--|---|
| 27) | The CCTV OEM should not have been detected with any vulnerability before tender submission by STQC in any of its earlier projects. The OEM should give an undertaking on its letterhead that it has never been rejected by STQC. | Undertaking Required from OEM on their letter pad |
| 28) | The OEM should offer ISO 9001:2015, ISO 14001:2015, ISO 27001: 2013, ISO 45000:2018 for their manufacturing process. [CCTV Camera, Switch, LED Display & UPS] | Reverent Document Required from OEM |
| 29) | The OEM should have CMMI level 5 certification to validate its performance across a range of critical business capabilities, including product development, service excellence, workforce management, data management, supplier management, and cyber security. | Reverent Document Required from OEM |
| 30) | The quoted CCTV OEM should be a Full member of ONVIF. For verification purposes, all the relevant details should be available on the ONVIF website. The OEM should give the declaration about its full membership. | Reverent Document Required from OEM |
| 31) | The MAC address of the cameras must be registered in the name of OEM. If the MAC address does not match, it means that the device is not created by the original manufacturer, its only an assembling or a labeling which has been done, and such party shall be immediately rejected. | Reverent Document Required from OEM |
| 32) | Tender Fee Rs. 1000/-+GST and EMD Rs. 90,000/- In Favour of UP Electronics Corporation Ltd. | Copy of Tender Fee & EMD Submit the Technical Bid |
| 33) | Bidder should sign & submit the all form mentioned form in Section-III [A, B, C, D, E, F, G H & I] | All form filled & signed by the Bidder |

**SECTION IV :
FINANCIAL e-Bid**

REQUEST FOR PROPOSAL (RFP)

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DIFFERENT HEALTH ATM LOCATED IN UTTAR PRADESH

SECTION-IV : PRICE SCHEDULE

Draft of BoQ Material

| Sr. No. | Item Description | UoM | Warranty | Qty. | Unit Rates | GST@ |
|---------|--|-----|----------|------|------------|------|
| <1> | <2> | <3> | <4> | <5> | <6> | <7> |
| A | Active Components | | | | | |
| 1 | Network Security Appliance , 7 x Port RJ45 (Configurable), 1 x SFP Port ,2 USB port,DB9 Console with 1 Year License (Content Filtering /Anti-Spam/IDP License/Anti Virus/Sandboxing) | Nos | 1 | 1 | | |
| 2 | L3 Managed Fiber Switch with 24xGbE SFP Slots 4xGbE combo Rj45/SFP port and 4x10 GbE SFP+ slots. Dual power supply | Nos | 1 | 1 | | |
| 3 | 24-port GbE L2 PoE+ L2 Managed Switch, with 4 Gigabit combo ports 802.3at, 375 Watt and Cloud management support | Nos | 1 | 8 | | |
| 4 | GbE SFP Transceiver | Nos | 1 | 16 | | |
| 5 | 2MP PTZ, 1/2.8 inch CMOS,5 mm to 153 mm or equivalent, 32x Optical Zoom,Smart IR 200m,IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection, Power Supply -30°C to 65°C Humidity 90% or less rest as per technical compliance. | Nos | 1 | 2 | | |
| 6 | 5 MP Dome Camera,1/2.7 inch Progressive Scan CMOS, Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR , Up to 40 IR rest as per technical compliance | Nos | 1 | 31 | | |
| 7 | 5 MP Bullet Camera,1/2.7 inch Progressive Scan CMOS, Colour: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR , Up to 60 IR rest as per technical compliance | Nos | 1 | 32 | | |
| 8 | 5 MP VF Bullet Camera, 1/2.7inch CMOS, Color: 0.005 Lux @ (F1.6, AGC ON) | Nos | 1 | 5 | | |
| 9 | 32 Channel NVR Capable for 30 days Back-up with 2MP/20 fps. Video output HDMI VGA and Network port rest as per technical compliance | Nos | 1 | 3 | | |
| 10 | Hard Disk 10TB Surveillance WD/Seagate/Toshiba | Nos | 1 | 6 | | |
| 11 | LED TV 55 inch, Full HD Display, Suitable for 24x7 Power on | Nos | 1 | 3 | | |
| 12 | Line Interactive UPS 1000 VA with 30 min battery backup | Nos | 1 | 8 | | |
| 13 | UPS 6KVA online UPS with 30 min battery backup | Nos | 1 | 1 | | |
| B | Passive Components | | | | | |
| 14 | 24 U Rack Floor Mounted for NVR and LIU | Nos | 1 | 1 | | |
| 15 | 6U Wall Mounted Rack | Nos | 1 | 8 | | |
| 16 | 6 Core SM Optical Fibre Cable | Mtr | 1 | 1000 | | |
| 17 | 24 Way LIU SC-Style, Singlemode , 19-inch, 1U Rack mount LIU Loaded with SC SM adapter,Pigtails, Splice tray & Splice protectors | Nos | 1 | 2 | | |
| 18 | 12 Way LIU SC-Style, Singlemode , 19-inch, 1U Rack mount LIU Loaded with SC SM adapter,Pigtails, Splice tray & Splice protectors | Nos | 1 | 8 | | |
| 19 | SC-LC Singlemode Duplex,Fiber Patch Cord, 2 Meter | Nos | 1 | 20 | | |
| 20 | Cat 6 cable (305 meter box) | Nos | 1 | 10 | | |
| 21 | Cat 6 1m patch cord | Nos | 1 | 140 | | |
| 22 | 24 Port Jack panel | Nos | 1 | 8 | | |
| 23 | I/O Box (Information Outlet with Faceplate & SMB) | Nos | 1 | 70 | | |
| 24 | 32mm HDPE Pipe | Mtr | 1 | 200 | | |
| 25 | 32mm PVC conduit / channel (per meter) | Mtr | 1 | 3000 | | |
| 26 | 1.5 Sqmm 3 core armoured Cable | Mtr | 1 | 200 | | |
| 27 | 15A Power Socket | Nos | 1 | 8 | | |
| 28 | 15A Power Sockets for Center Location | Nos | 1 | 1 | | |
| C | Job Work | | | | | |
| 29 | Digging and refilling of Soft Soil (per meter) | Mtr | Std | 200 | | |
| 30 | Laying of HDPE Pipe (per meter) | Mtr | Std | 200 | | |
| 31 | Laying of Fiber Cable in HDPE Pipe (per meter) | Mtr | Std | 1000 | | |
| 32 | Splicing of Fiber (per Core) | Nos | Std | 108 | | |
| 33 | LIU Fixing and Dressing | Nos | Std | 9 | | |
| 34 | Laying of PVC Pipes/ Conduits (per meter) | Mtr | Std | 2000 | | |
| 35 | Laying of CAT-6 Cable in PVC Pipes/ Conduits (per meter) | Mtr | Std | 2500 | | |

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| | | | | | | |
|----|---|-----|-----|----|--|--|
| 36 | I/O Fixing & Termination | Nos | Std | 70 | | |
| 37 | Jack Panel Termination | Nos | Std | 9 | | |
| 38 | Rack Fixing, Dressing and Ferruling etc. | Nos | Std | 9 | | |
| 39 | Documentation and Configuration entire Camera, NVR Networks Switches and other related devices (One Time Charegs) | Nos | Std | 1 | | |

Note should be filled in prescribed format .xls BOQ form