



TENDER DOCUMENT

FOR

**SUPPLY AND INSTALLATION OF CCTV SURVEILLANCE SYSTEM IN THE
CAMPUS OF REGIONAL INSTITUTE OF EDUCATION, AJMER
A CONSTITUENT UNIT OF NCERT, NEW DELHI
NAAC GRADED A+ INSTITUTE**

Tender Fee: Rs.500/- (Non-Refundable)

REGIONAL INSTITUTE OF EDUCATION, AJMER
A Constituent Unit of NCERT, New Delhi
NAAC Graded A+ Institute, Ajmer, Rajasthan-305004, Tel: 0145 - 2643721
Email: rieajmer@yahoo.com, www.rieajmer.raj.nic.in

Ref. No.: F-S/5-5/Stores/CCTV/2017-18

23rd August, 2019

Subject: **Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer**

Online e-tender is invited from reputed and eligible contractors/firms in two bid system (Technical & Financial) for the Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer. Tender document can also be downloaded from website i.e. <https://eprocure.gov.in/eprocure/app>

1.	Name of work	Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer
2.	Cost of Tender	Rs. 500.00 (Rupees five hundred only) (Non-Refundable) in favour of The Principal, RIE, Ajmer
3.	EMD	Rs. 1,50,000.00 in favour of The Principal, Regional Institute of Education, Ajmer.
4.	Last date, time submission of Tender.	12 .09.2019 Up-to 04.00 p.m. online
5.	Date and time for opening of Technical Bid.	13 09.2019 at 11.00 a.m. in Room No. 50 of RIE, Ajmer
6.	The bids shall be submitted in two stages viz. (i) Technical Bid (ii) Financial bid . Detailed specifications of the item(s) to be supplied is placed at Annexure-E	
7.	Financial bid shall be downloaded after evaluation of qualified Technical Bids.	

NOTICE INVITING TENDER

Online e-tender is invited in two bid system (Technical Bid and Financial Bid) by the undersigned from OEM or their authorized dealers dealing from reputed and experienced manufacturer/ authorized reseller/ channel partner for the **Supply and Installation of CCTV surveillance System in the Campus of Regional Institute of Education, Ajmer**, through Central Public Procurement portal e-tender system website: <https://eprocure.gov.in/eprocure/app>, www.rieajmer.raj.nic.in Off-line/physical bids shall not be accepted and no request will be entertained on any ground/reason :-

Critical Date sheet

1	Published Date	23/08/2019 (16.00 PM)
2	Bid Document Download /Sale Start Date	23/08/2019 (04.30 PM)
3	Bid Submission Start Date	24.08.2019 (09.00 AM)
4	Pre Bid Meeting	06/09/2019 (11:00 AM)
5	Bid Submission End Date	12/09/2019 (04.00 PM)
6	Technical Bid Opening Date	13/09/2019 (11.00 AM)
7	Financial Bid Opening Date	01/10/2019 (11:00 AM)

1. Particulars of Items: Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Institute at following locations: -

Sl.No.	Location
(a)	Institute Building
(b)	Guest House Abdul kalam
(c)	Guest House New Building
(d)	Institute Campus, Main Gate- Vaishali Nagar, Pushkar & Post Office
(e)	Primary School
(f)	DMS School
(g)	Technology Block DMS
(h)	Hostels- Laxmi Bai, Tilak, Rana Pratap, Ranjeet and Shivaji
(j)	Institute Library

2. **Technical Specifications:** As per **Annexure-E**.

3. Earnest Money Deposit (EMD) in DD: - Rs. 1,50,000.00 (Rupees One Lakh Fifty thousand only) in favour of the **Principal**, Regional Institute of Education, Ajmer.

4. **Completion period:** Supply of Hardware/Equipment within 21 days from the date of issue of Purchase Order/Work Award Letter, whichever is later and installation within 90 days after the delivery of material at **Regional Institute of Education, Ajmer**

5. **Availability of Tender Document:** Tender Documents with detail terms & conditions can be downloaded from the website i.e. <https://eprocure.gov.in/eprocure/app>.

6. **Validity Period of Offer:** The rates offered in Part II (Financial bid) shall be valid for 365 (Three Sixty-Five) Days from the date of opening of Part II (Financial Bid) of the Tender.

7. **Receipt and opening of Tenders:** The bids should reach to this Institute in sealed envelope also separately as Technical and Financial bid. Demand Drafts of tender cost and EMD should be in separate envelope duly superscripted along with technical bid on or before 12.09.2019 up to 04:00 PM. The Technical Bid will be opened on 13 .09.2019 at 11:00 AM.

8. The required DD of tender cost and EMD as stated above must be in the name the Principal, RIE, Ajmer with the Technical bids failing which the offer will be treated as non-responsive.

9. The **Regional Institute of Education, Ajmer** reserves the right to accept or reject any or all the tenders wholly or partially without assigning any reason thereof.

10. The **Regional Institute of Education, Ajmer** reserves the right to relax any terms & conditions in the interest of the Institute, if found necessary in pre bid meeting.

INSTRUCTIONS TO BIDDERS

11. **Scope:** - The work consists of: **Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer.**

12. **Definitions:**

RIE AJMER :- **Regional Institute of Education, Ajmer**

Campus :- Means Campus of **Regional Institute of Education, Ajmer**

Bidder :- means the OEM/Manufacturer or his direct authorize Partner (dealing at first point), Limited Company Private/Public or Corporation.

13. Who can apply?

- (a) If the bidder is an Original Equipment Manufacturer (OEM) firm in CCTV Surveillance system, the application shall be signed by the OEM with his full typewritten name and the full name of his firm with its current address, Contact details etc.
- (b) If the bidder is an Authorized Reseller or Channel partner, the authorization letter shall be signed by OEM must be submit with Technical Bid.

14. Sealing and Marking of Bids

- (a) Technical Bid shall be submitted along with Cost of Tender and EMD in the form of Demand Draft.
- (b) The bidder shall place the two separate sealed envelopes marked "**Technical Bid**" and "**Financial bid**" in one big outer one envelop.
- (c) The sealed outer envelope containing the technical bid and financial bid shall be addressed to the Principal, Regional Institute of Education (NCERT) Capt. D.P Chaudhary Marg, Ajmer, Rajasthan-305004.
- (d) The sealed tender shall bear the name and identification number of the Tender on the cover of the Envelope(s).

15. Bid Submission:

Technical Bid:- The following documents are to be furnished by the contractor along with Technical Bid as per tender document.

- (i) Name of Agency with complete address, Name of proprietor/Director with telephone number/Fax/E-mail/Mobile number of consent person.
- (ii) Self-attested scanned Photocopy of BC/DD of Rs.500/- on account of cost of tender document.
- (iii) Self-attested scanned copy of registration certificate with DGS&D/NISC/MSME for the exemption of EMD/Tender cost of the supply of the above said items.
- (iv) Self-attested scanned copy of GST returns of the firm with the tax department for the last years 2018-19 may also be enclosed.
- (v) Self-attested scanned copy of PAN card (in the name of firm only). However, the PAN card issued in name of proprietor can be considered subject to production of ITR acknowledgement and computation of taxable income duly certified by CA.

- (vi) Self-attested scanned copy of Annual Turnover of Rs. **1,00,00,000.00** (Rupees one Crore only) per year for the last three years such as 2016-2017, 2017-2018 & 2018-19. A copy of turnover statement year wise duly certified by the C.A. must be enclosed with the tender document and audited balance sheet for the last financial year i.e. 2018-19 duly certified by C.A of each year along with related document
- (vii) Self-attested scanned copies of ITRs returns of the firm only with the Income Tax department for the last three from financial year 2016-17 may be enclosed.
- (viii) Self-attested scanned copy of EMD in the form of BC/DD/FD of **Rs..1,50,000/-** in favour of the Principal, Regional Institute of Education, Ajmer (RIE-Ajmer) payable at Ajmer. However, the EMD can directly be deposited in the RIE-Ajmer Account No. **10200605652** with IFS code No. **SBIN0015309** in SBI RIE-Ajmer Branch Ajmer.
- (ix) Self-attested scanned copy of undertaking for comprehensive warranty/guarantee for a period of 02 years for the required material and installation including operation of the items/system.
- (x) Self-attested scanned copy of blacklisting certificate of the firm and non-registration of criminal case on the stamp paper of Rs.10/-
- (xi) Self-attested scanned copy of undertaking regarding acceptance of all terms & conditions of tender document.
- (xii) Self-attested scanned copy of undertaking that product offered by the firm which should be issued from the OEM together with the technical speciation along with literature/brochure of quoted product.
- (xiii) Self-attested scanned copy of 05-year experience in manufacturing and supplying the **Supply and Installation of CCTV surveillance System** out of which 50 % experience should be from govt./PSU/Autonomous body/State Govt. agencies.
- (xiv) Self-attested Scanned copy of undertaking that the firm will not sublet/transfer the contract to any other firm.

16. **Eligibility Criteria/BOQ for Technical Bid:-** All eligibility documents with Tender Cost and EMD must also be submitted in hard copy with Technical bid in separate envelop duly super scribed

S.No	Documents	Yes/	Annexure
1	Letter of Transmittal		Annexure A
2	Tender form for Supply, Installation, testing and commissioning of CCTV surveillance System in Regional Institute of Education, Ajmer.		Annexure B
3	Income Tax Registration (PAN Number.). GST		Enclose Copy
4	Copy of previous three Financial Year's Income Tax return.		Enclose Copy

5	Length of relevant experience in particular Business in years. (min: 5 years)		Enclose Copy
6	Average financial turnover(annual) of Rs.1,00,000,00.00 (Rupees One Crore only) during the immediate last three consecutive financial years, duly audited, signed &		Annexure C
7	All systems and components must be in compliance with CE, FCC, BIS and UL certification. Copies of the UL certification and ONVIF compliant certificate indicating the make and models of the cameras offered should be submitted.		Enclose Copy
8	<p>(a) All the materials/ Hardware must conform to ONVIF(S) standard. The ONVIF (s) compliant certificate must be submitted</p> <p>(b) All the software must conform to ONVIF(S) standard. The ONVIF compliant certificate for Hard and Software must be submitted.</p> <p>(c) The MAC address of the IP Cameras must be registered on the name of OEM supplying the camera. A confirmation from the company about the same must be submitted</p>		<p>Enclose Copy</p> <p>Enclose Copy</p> <p>Enclose Copy</p>
9	<p>The products quoted should be of International repute and enlisted in the IHS report. The Company should rank amongst the top 5 OEM's in the latest IHS report.</p> <p>Further the OEM should have a presence in India for the past 05 years with a fully equipped repair and maintenance center and a toll free number. The Relevant documents need to be submitted.</p>		<p>Copies of Purchase orders, Invoices, Tender documents, LOI from end user (Documents may be reasonably redacted for values in case of the presence of a Non-Disclosure Agreement in case of supplies made to defence sectors)</p>

10	<p>The OEM providing CCTV Cameras should have at least 500 employees on its payroll in India. The OEM should produce documentary proof to establish the eligibility.</p> <p style="text-align: center;">or</p> <p>Only the Manufactures, who are manufacturing CCTV equipment for a minimum of 15 years are eligible (with respect to last date of submission of bid). A Certificate issued by the Competent Authority of the Govt. in support of existence of their manufacturing unit of CCTV equipment since last 15 years, and a Registration Certificate wherein the nature of business is indicated, is mandatory</p>		Enclose Copy
11	List of OEMs of all the material must be specified and enclosed.		Enclose Copy
12	<p>Tenderer must have an experience of minimum 05 years for of CCTV surveillance system. Copies of work order/contracts and satisfactory performance certificates in support of proof thereof for the contracts executed must be submitted as</p> <p>(i) Single order costing not less than Rs,20,00,000.00 (Rupees Twenty lakh only) OR</p> <p>(ii) (ii)Two orders costing not less than Rs. 25,00,000.00 (Rupees Twenty Five lakh.Only)</p>		Enclose Copy of work order & satisfactory performance certificates
13	<p>All the OEM must have successfully completed and running for more than a year, for Government / PSU / Private Sector, any one of the following criteria:</p> <p>1 Surveillance order of value \geq3crore</p> <p style="text-align: center;">or</p> <p>2 Surveillance orders each of value \geq2crore</p> <p style="text-align: center;">or</p> <p>3 Surveillance orders each of value \geq1 crore</p>		<p>"Project Citation Format" supported with Work order or Purchase Order (PO) or Letter of Intent (Lol) and Proof of Go-live/ Project completion /Client satisfactory certificates signed by the authorized official from client mentioning the scope of work and project value.</p>

14	That the bidder/organization has not been blacklisted/ debarred by any of the government/ public sector agencies in India. A declaration of fair business practice by the Bidder.		Annexure D Submit Undertaking
15	(a) Firm should have an authorized service Centre in Ajmer/Rajasthan. (b) The OEM should have a dedicated online CCTV support center available during working hours and a fully equipped repair and maintenance office in India. The Office and Service Centre address proof along with local GST numbers needs to be submitted. (c) The OEM should have the CMMI level 5 certified		Enclose Copy Enclose Copy Enclose Copy
16	The bidder must submit the technical specification of the quoted items along with printed catalogues for technical evaluation.		Enclose Copy
17	An authorized reseller or channel partner an authorization MAF letter from the OEM need to be submitted.		Enclose Copy
18	All the equipment quoted shall be manufactured by a make whose quality system is in compliance with the a. ISO 9001 : 2008 b ISO 14001:2004. The date valid ISO certificate need to be submitted		Enclose Copy
19	All systems and components must be in compliance with FCC, BIS, CE, RoHS, UL requirements.		Enclose Copy
20	OEMs of proposed equipment/components should have an office as a registered company in India for last five years as on the bid issuance date. The OEM and the OEM's bidder both cannot participate in the tender. It has to be either of the two, while one OEM can have multiple Bidders there cannot be a scenario, where the OEM is participating along with its bidders. The MAC address of the IP Cameras must be registered in the name of OEM supplying the Cameras. A confirmation from the company about the same must be submitted.		Undertaking & copies of supporting documents from the Bidder confirming the compliance along with the OEM authorization.

21	All Technically qualified bidder to submit an undertaking that he/she should give a technical product Presentation/Live product demonstration on site as per our requirement with storage back-up for 5-7 days to evaluate the product quality and understand our requirement with the presentation to select the OEM/Bidder on technical and financial grounds matching the requirement. Accordingly, dates will be provided to the bidders for demonstration and performance, the financial bid will be opened after demonstrating if found satisfactory.	Enclose Copy of undertaking
22	The Bidder/s is in Case of Joint Ventures / Consortium at least One Partner must have registered office in Rajasthan and should be in business for more than 05 years. At least one of them should possess minimum experience required.	Copy of the JV / Consortium Agreement with clear roles & responsibilities and defining joint and several liabilities.
23	All the proposed equipment should not be declared End-of-Support by the OEMs for next 05 years and should not be end of production for next one year from the date of bid submission	Certificate / affidavit/ Self-Declaration Form must be submitted

Place:

Date:

Name & Signature(s) of Bidder (S) with Seal

17. The bidder those who have some query for pre-bid meeting must necessary submit their query through E-Mail candwriegjmer@gmail.com on or before 02:00 PM, 05/09/2019. No other query will be attended. The bidder who are attending pre-bid meeting must be with the copies of tender document and email as mentioned above.

18. **Opening of Technical Bids & Evaluation:** - The details submitted by the bidders will be downloaded and evaluated in the following manner as per scheduled mentioned above:

(a) The “**initial eligibility criteria**” prescribed in Para 16.1 to 16.25 of clause 16 above in respect of experience in similar class of works completed, financial turnover, profitability and valid registrations, even if the bidder demonstrate the product successfully later at any stage or during installation if any discrepancies and shot coming if detected / found the bidder will be solely responsible for same.

(b) Even though any bidder may satisfy the above requirements, he/she would be liable to disqualification if he/she has:-

(i) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.

(ii) Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

19. **Opening of Financial bid and evaluation:** - After the Technical evaluation of the bids, the RIE, Ajmer will download the ‘Financial Bids’ of the bidders who qualified in the Technical Eligibility Criteria as per Clause 16. Preference will be given to Indigenous manufacturer as per para 3 (c)(ii) of order no. P-45021/2/2017-B.E.-II dated 15th June 2017 after technical demonstration /POC (Proof of Consent).

20. **Earnest Money Deposit:**

(a) The Earnest Money Deposit (EMD) must be attached (see Clause 3). The Earnest Money Deposit shall be accepted only in the form of Demand Draft or through RTGS and shall be made in favour of “**The Principal, RIE, Ajmer payable at Ajmer**”. The bidder should submit proof of payment made through RTGS along with technical bid.

(b) Tenders with no Tender Cost and earnest money deposit will summarily be rejected. In case of successful bidder of the financial bids, the earnest money will be returned after obtaining the required 10% Performance Security in the form of FDR/BG (FDR/BG should be valid for a period of 03 Years) along with the agreement on non-judiciary stamp paper of Rs. 100/-. However, the successful bidder shall be required to enter into an agreement with the RIE, Ajmer for providing the Comprehensive Irrecoverable Warranty of 2 years and AMC of next 05 years (extendable) after completion of warranty period from the date of final installation of the product.

(c) In the case of unsuccessful bidders, the Earnest Money Deposited will be refunded without any interest on completion of tender process.

21. **Financial Bid:-** The bidder shall quote unit item rates in INR only, both in words and figures in the Financial Bid. In case of difference between the rates of items written in figures and in words, the rates of items written in words shall be taken as correct. No changes in unit rates shall be allowed. The rates quoted in schedule of quantity (Financial Bid) are for finished and completed items and no extra amount for cartage or transporting material, labour etc. shall be paid. The rates should be inclusive of all loads and lifts for all materials for the completed items and also include all taxes, insurance, royalties etc. as applicable. Supplier has to quote the price inclusive i.e. freight, insurance, packing, handling, assembling, installation, commissioning up to the Institute or as given in the work order.

22. **General:**

(a) All information called for in the enclosed forms should be furnished against the relevant places in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against at the relevant place. Even if no information is to be provided in a column, a "Nil" or "No Such Case" entry should be made in that column. If any particular/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that incomplete information called for in the tender document or deliberate suppression of any information may result in the bid being summarily disqualified. Bids received after the expiry of the stipulated date and time mentioned in the tender document will not be entertained.

(b) The bid document should be legibly written and serially numbered with proper tagging and binding. The bidder should sign each page of the bid.

(c) Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialing with date and rewriting. Pages of the eligibility criteria document are to be numbered. Additional sheets, if any added by the bidder, should also be numbered. Bid should be submitted as a package with signed letter of transmittal.

(d) References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by officer of the client organization with name & designation.

(d) If any information furnished by the bidder is found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of any work in RIE, Ajmer **which may also result in forfeiture of EMD/performance security.**

(e) If the bidder obtains a contract from RIE, Ajmer as a result of wrong tendering or other non- bonafide methods of competitive tendering, the Institute reserves the right to terminate the contract with penalties to the contractor, which may also result to forfeiture of EMD/performance Security.

(f) Escalation: Increase in rates of material/Labour will not be allowed on any account. Price quoted shall be fixed and no escalation will be allowed on any account/stage.

(g) The RIE, Ajmer reserves the Right to vary quantities at the time of issuing of Purchase Order/Signing of the Contract.

23. **Award of the Contract:** - A written Work Order shall be issued by the RIE, Ajmer to the successful Bidder and it will constitute the formation of the Contract.

24. **The Scope of Work:** - The Scope of work shall consist, Supply & Installation, erection and placing in position at site, complete in all respects, and its maintenance during warranty period for items mentioned in Tender including annual maintenance contract for a period of 05 years. The successful bidder will provide a drawing/blueprint of laying chart location wise after installation for future reference.

25. **Specification for Work and Quality:** - The procurement of various materials shall be either from the manufacturers or their main authorized dealers to ensure that no duplicate/spurious makes are used in the works. All systems and components shall have been thoroughly tested and proven in actual use.

26. **Safety and Security:** - Safety and Security of workers/staff, material, equipment's, etc. will be the responsibility of the bidder. The RIE, Ajmer will not be held responsible on this account.

27. **Final decision making authority:** - The Principal, RIE, Ajmer reserves the right to accept or reject any bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders. No claim whatsoever will be entertained /paid by the RIE, Ajmer to the bidder(s). The Institute has also the power to make alteration in, omission from, addition of or substitution for the original specifications, drawings, designs.

28. **Site Visit:-** The bidder(s) is/are requested to visit the work site between **02th to 06th September 2019** from 10:00 AM to 03:00 PM in working days in working time and get acquainted with site conditions regarding layout and all other matters, affecting the work before filling in the item rates. Submission of a tender by a bidder, implies that they have read these instructions and have made themselves aware of the scope of the work, conditions of the Contract and Institute will not, therefore, bear any extra charges on any account, in case the bidder finds later on to have misjudged the site conditions or specification. The bidder will arrange a visit of the committee of this Institute to a site where he/she completed same nature of work in past one year, for interacting and understanding quality, qualification, reliability, behavior and reputation of the bidder on his own expenditure. On satisfactory evaluation of bidder by the committee of this Institute before issue of final order.

29. **Amendment of tender document:**

- a. Before the deadline for submission of tender, the RIE, Ajmer may modify the tender document by issuing agenda/corrigenda. If required and necessary after pre-bid meeting or at any stage of the work.
- b. Any addendum thus issued shall be a part of the tender document and shall be uploaded on the e-procurement website of [https://eprocure.gov.in/eprocure /app](https://eprocure.gov.in/eprocure/app), www.rieajmer.raj.nic.in. Prospective bidders must visit the website before filling and submission of Tender Document for such information.

30. Validity of Tender: - 365 (Three Hundred Sixty-Five) days from the date of opening of Financial Bid of the tender. During this period no bidder shall be allowed to modify/withdraw his tender. Rates quoted should be valid for 365 days so that if required repeat order can be issued to the bidder on the same rates and the bidder will be responsible to accept any repeat order if issued on the approved rates. On the mutual agreement these approved rates can be considered as rate contract for further period of one year in addition to validity rates of the tender. In case of withdrawal, the EMD submitted by the bidder shall be forfeited and no claim shall be entertained in this regard.

31. **Performance Guarantee:**

- (a) The successful bidder shall be required to furnish a Performance Guarantee of 10% of the total tendered value before successfully installation of the product at site. The Performance Guarantee should be valid up to guarantee/warranty period including quantity of repeat order, if any.
- (b) Performance Guarantee will be refunded after completion of the warranty period.
- (c) In case of non-submission of Performance Guarantee within specified time, the earnest money will be forfeited and the Institute may consider to black list/de-bar the contractor and further order will be issued to next higher firm on the rates of L1.

32. **Warranty**

- (a) The bidder shall provide 02 years Warranty (on-site and comprehensive) on all items from the last date of final acceptance by the Institute and shall be responsible for any defects that develop in the item. They shall also replace any defective part on site of the product supplied and other accessories without any exception and recourse, free of cost.
- (b) The bidder is responsible for all packing, unpacking, assembly, installation of units. The bidder will test the products and accomplish the adjustments necessary for successful and continuous operation of

the products supplied at all installation sites and shall ensure maintenance of the supplied products during the warranty period. All the repairing / replacing of defects shall be done by the bidder totally free of cost.

(c) The Supplier must have a Service Centre in Ajmer/Rajasthan to provide maintenance service, efficiently and promptly. If the performance of any individual equipment or System fails to meet the contract specifications, then the same shall be replaced by the Supplier free of cost during the term of the warranty and AMC period on site.

33. **Training:** - The scope of work envisages that the Bidder shall undertake to train the staff nominated by the Institute in different aspects of equipment design, functioning, field installation, testing, commissioning, system management, operation & administration, maintenance and repair.

34. **Site Preparation:** - The site for installation of the CCTV System shall be provided by the Institute as per the required environmental conditions before the installation of the system. The Supplier shall provide site plan and equipment layout plan for the System. The complete installation of the System including civil work at the Institute site shall be the responsibility of the Supplier. Earthling arrangements for all the Equipment shall be the responsibility of the Supplier and to be carried out at RIE Ajmer as per standard procedures.

35. **Responsibility of Completion & Software Optimization:** - Any fittings or items which may not be specially mentioned in the specifications but which are necessary are to be provided by the Supplier without any extra charge for completeness of the work under this Tender.

36. **Duration:** - The items covered under this tender are required to be delivered and installed in Regional Institute of Education, Ajmer within 90 days. The 90 days will start from date of Issue of letter of Purchase Order by the RIE, AJMER.

37. **Taxes and Duties:** - All statutory taxes and duties including. GST, Service Tax on Contracts as applicable on finished goods shall be included by the Bidder.

(a) The contractor shall get himself registered under GST on the award of contract.

(b) Necessary GST / income tax with surcharge if any shall be deducted from the due payment as TDS and shall be deposited with the concerned Department.

(c) All statutory taxes and duties payable by manufactures on raw materials and other inputs for the production of finished equipment shall be included in the quoted supply price.

38. Delay and Non Performance.

(a) If the bidder fails to deliver the Equipment within the period specified in the Purchase Order, Institute shall without prejudice to its other remedies under the Purchase Order, deduct from the contract price, as liquidated damages, a sum equivalent to 1% (one percent) of the contract price of the delayed goods weekly or part thereof of delay until actual delivery. The penalties will be maximum of 5% of the contract amount/awarded Value.

(b) In case of extraordinary delay or beyond 30 days of stipulated delivery period, RIE, Ajmer reserves the right to terminate the contract, without any liability to cancellation charges, forfeit/encase the submitted Performance Guarantee and blacklist/debarred the defaulting firm.

39. Penalty: - If the bidder fails to complete the work within stipulated period, a penalty of 0.5% per week shall be imposed with a maximum of 5%. However, extension could be considered and granted by the competent authority of the RIE, Ajmer, on a valid reason and beyond the control of the contractor.

40. Services during warranty.

(a) The Supplier shall provide necessary Software updating free of cost during the Warranty and AMC period. During the term of warranty and AMC the service/repair calls will have to be attended by the Supplier within two hours from the time of such calls. The defective item should be repaired/replaced within 24 hours at Institute premises.

(b) In case of major defects requiring the defective item to be taken to the Supplier's Service Centre, it should be returned within one week duly repaired and an immediate substitute item will be provided by the Supplier for the smooth operation of the System. The to and fro transportation of the item will be borne by the Supplier.

(c) Delays in attending the calls and or repairing the defective item beyond time limit specified, without providing the substitute, will attract penalties to be decided and fixed by the Institute.

(d) If the Supplier fails to repair or replace the defective item, the Institute will be free to get the same repaired/replaced from the market and its cost will be adjusted from the Supplier's Performance Security on Risk & Expense basis.

41. **Arbitration and Settlement of Disputes:** - All disputes are subject to Ajmer jurisdiction and claims shall be settled by arbitration, in accordance with the provisions of the arbitration law in force or any statutory requirements thereof and shall be referred to the Sole Arbitrator to be appointed by the RIE, Ajmer. The Contractor shall not be entitled to raise any kind of objection whatsoever, in the event of the Institute decides to appoint any officer or employee of the RIE, Ajmer as the Sole Arbitrator. The award given by the Arbitrator shall be final and binding on both the parties i.e. 'RIE, Ajmer' and the 'Contractor'.

42. **Force Majeure:-** For purpose of this Clause, Force Majeure shall mean fires, floods, natural disasters or other acts, that are unanticipated or unforeseeable, and not brought about at the instance of the party claiming to be affected by such event, or which, if anticipated or foreseeable, could not be avoided or provided for, and which has caused the non-performance or delay in performance, such as war, turmoil, strikes, sabotage, explosions, quarantine restriction beyond the control of either party. A party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this Supply Order. If a Force Majeure situation arises, the supplier shall promptly notify the Institute in writing of such conditions and the cause thereof. Unless otherwise directed by the RIE, Ajmer in writing, the Supplier shall continue to perform its obligations under the Purchase Order as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Sd/xxxxxxxxxx
Administrative Officer

Place: - Ajmer

Date: 23rd August 2019

LETTER OF TRANSMITTAL

From:

To

The Principal
Regional Institute of Education,
Ajmer, Rajasthan-305004

Subject: Submission of Tender Document for the work of “**Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer.**”

Sir,

Having examined the details given in Tender document for the above work, I/we hereby submit the relevant information: -

1. I/we hereby certify that all the statement made and information supplied in the enclosed Annexure/Forms accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to Supply, Installation, Testing and Commissioning.
3. I/we hereby submit that we have gone through and understood the Bidding Document and that our Bid has been prepared accordingly in compliance with the requirement stipulated in the said documents.
4. If any misleading or false statement is found at any stage, I/We accept that my/our Tender can be rejected without any reason at any stage.

Name & Signature(s) of Bidder(s) with seal

Date:-

Tender form for Supply, Installation, Testing and Commissioning of CCTV Surveillance System in the Campus of Regional Institute of Education, Ajmer.

- | | | |
|------------------------------------|---|--|
| 1. Cost of tender | : | Affix duly attested P.P size recent photograph of the prospective bidder |
| 2. Due date of tender | : | |
| 3. Opening time & date of tender | : | |
| 4. Name & Address of the Bidder | : | |
| 5. Telephone No. /Fax No. / e-mail | : | |
6. Legal status of the Bidder (attach copies of original document defining the legal status)
- a) An OEM firm
b) An Authorized Reseller or Channel Partner
7. Particulars of registration with various Government Bodies (Attach attested Photo Copy) Organization /Place of registration No.
8. (a) PAN No. :
- (b) GST No. :
- (c) Service Tax No. :
- (d) Labor(R&A) Act, if any :
9. Names and Titles of Directors & Officers with designation to be concerned with this work.
10. Has the Bidder ever required to suspended work for a period of more than six months continuously after you commenced the business? If so, give the name of the project and reasons of suspension of work.
11. Has the Bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion, If so, give name of the project and reasons for abandonment.

12. Has the Bidder, or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organization at any time, If so, give details

13. Any other information considered necessary but not included above

14. **Declaration by the bidder:** - This is certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves abide by them.

(Name & Signature of Bidder with Seal)

Date:-

ANNEXURE – C**DETAILS OF ANNUAL TURNOVER**

A. FINANCIAL DETAILS

Financial Years	Gross Annual Turnover (In Lakhs)	Profit/Loss (In Lakhs)
2016-2017		
2017-2018		
2018-2019		

B. Audited balance sheet and profit & loss account for above three years to be submitted. Must be attested by the Chartered Accountant along with Seal.

(Name & Signature of Bidder with Seal)

Date:-

DECLARATION FOR FAIR BUSINESS BY THE BIDDER

This is to certify that I/We, M/s _____ in submission of this offer confirm that:-

- i) I/We have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
- ii) I/We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
- iii) Business has not been banned with us by any Central/State Government Department/Public Sector Undertaking or Enterprise of Central/State Government.
- iv) I/We have submitted all the supporting documents and furnished the relevant details as per prescribed format.
- v) The information and documents submitted with the tender by us are correct and I/we am/are fully responsible for the correctness of the information and documents submitted by us.
- vi) I/We understood that in case of any statement/information/document furnished by me/us or to be furnished by me/us in connection with this offer is found to be incorrect or false, my/our EMD in full will be forfeited and business dealings will be banned.
- vii) I/We have not been punished/ penalized by way of imprisonment in last three years.
- viii) I/We have not been blacklisted/ debarred by any of the Government/Public Sector Agency in last three years.

Date: -

Signature, Name of the Bidder with Seal

Technical Specifications mentioned from (A) to (P) to below or higher**PRODUCTS COMPLIANCE SHEET: PRODUCTS COMPLIANCE SHEET:****Centralized Video Storage Device – E/1**

Features	Description
Controller	Dual controller
Processor	64-bit multi-core processor
Cache per controller	8 GB (extendable to 32 GB)/controller
Interface/capacity	SSD (optional), SAS/1TB, 2TB, 3TB, 4TB, 6TB, 8TB
Hot-swapping	Supported
HDD support	Single, RAID(Enterprise Hard Disk)
RAID	RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare
Protocol	iSCSI, RTSP, ONVIF, PSIA
Data network interface	4*1000M Ethernet interface (4 × GbE or 2 × 10GbE is extendable)
Management network	1*1000M Ethernet interface/Controller
Mini SAS interface	Supported
Power supply	Redundant
Consumption (with HDDs)	Working: ≤ 507 W (1729 BTU with 24 HDDs); Rated: ≤ 800 W
Environment temperature	Working: +5 °C to +35 °C (41 °F to 95 °F)
	Storing: -20 °C to +70 °C (-4 °F to 158 °F)
Environment humidity	Working: 20% to 80%RH (non-condensing/frozen);
	Storing: 5% to 90%RH (non-condensing/frozen)
	or higher

Server Specification – E/2

Feature	Description
Processor	Intel® Xeon™ E3-1220 V5 (4-Core, 3.0 GHz)
Operating System	Microsoft® Windows Server 2012 R2
Memory	16G x 1 DDR4, 2400MT/s UDIMMS
Storage	1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
RAID	H330 RAID Controller with RAID 1
Drive bays	up to 4 x 3.5" SAS/SATA HDD
NIC	1GbE × 2
Chassis	1U, Rack Mount
Battery	CR-2032 Coin Cell/Lithium/0.0032kg
Power Supply	250W Cabled PSU
Embedded management	iDRAC8, Express
	2 VGA Ports: one each on the front and back panels
	5 total USB ports:
I/O & Ports	Rear: 2 x USB 3.0 ports
	Front: 2 x USB 2.0 ports
	Internal: 1 x USB 3.0 port
	or higher

Video Management Software – E/3

VMS should be capable for below mentioned points

Sr. No	<u>Specification</u>
1	Manages up to 1,024 encoding devices / upt 3000ch per server
2	Supports H.264 and H.265 encoding format
3	Add up to 64 Recording Servers and 64 Streaming Servers respectively to the VSM, imports up to 3,000 alarm input/output respectively per VSM
4	Third-Party Device Access Gateway / Third-Party camera support
5	Provides the interface for third-party system integration
6	Authenticates the Control Client access; manages the users, roles, permissions and monitors devices
7	Provides authentication, permission granting, and management service, password protection
8	Streaming gateway to forwards and distributes the video and audio data
9	Support up to 200 video channels @ 2 Mbps input and 200 video channels @ 2 Mbps output. It is used for concurrent live view or playback.
10	Network keyboard support
11	Video wall management
12	ANPR Module with features like capturing vehicle number plate, Import and export vehicle list,
13	Can remotely connect to the VSM server via TCP/IP and perform the functions such as IP Domain, IP segment, Port Segment, batch import etc.
14	When adding NVRs and Network Cameras, devices should have the option to automatically create logical areas by device name or add to an existing area
15	When adding NVRs and Network Cameras, has the option to automatically synchronize logical camera name assigned at device level and Automatically add device's recording schedule for future remote management
16	Can set and modify NVR recording schedules
17	Supports Cloud Storage Server
18	Remote Site Management: Manages multiple sites, has the ability to add Remote Sites through IP or domain name and add Remote Sites registered to Central System in batch. Support database backup of Remote Sites, up to 5 copies of database backup for each Remote Site are supported, and saving path cannot be edited
19	Configure GIS location of Remote Sites and Configure the camera remotely
20	Supports Video Content Analysis (VCA) events from cameras such as Video Loss, Video Tampering Detection, Motion Detection, PIR, Scene change detection, Defocus Detection, Audio Exception Detection, Sudden Increase in Sound Intensity Detection, Face Detection & Capture, Line Crossing Detection, Intrusion, Loitering, Unattended Baggage, Object removal
21	Health Monitoring events such as Device Offline, HDD Full, R/W HDD Failure, Video Standard Mismatch, Camera/Recording Resolution Mismatch, Illegal Login, HDD Full, Server exception, HDD Full, R/W HDD Failure, CPU Temperature Too High, Environment Temperature Too High, Video Loss Alarm

2MP Network PTZ Camera - E/4

Sl.No.	Feature	Description
1	ONVIF conformance	Mandatory
2	UL listing	Mandatory
3	Zoom capacity	Full HD 32x or better
4	Image Sensor	1/3" or 1/4"
5	Image Sensor	CCD/MOS/CMOS
6	Image Scanning	Progressive
7	Resolution	Full HD 1080p or higher
8	Aspect Ratio	16:09
9	Main Profile Streams	Dual H.265 at 30 fps
10	Focal Length	6 to 9 mm ~ 190 to 280 mm or better
11	Pan	Continuous 360 degrees
12	Tilt	Tilt range minimum 110 degrees
13	Pre set	200 or more
14	Network replenishment on failure (with NVR / Camera or through software)	Mandatory
15	Audio mode	Two way bidirectional
16	Transmission/Streaming modes support	Unicast/Multicast
17	Auto tracking	Mandatory
18	Video Motion detection , noise reduction/cancellation, Auto Focus , Wide Dynamic Range >110dB , Pre defined / Pre programmed tours	Mandatory
19	SD card support	Memory upto 128GB or higher
20	Power Source	PoE+ & standard AC/DC power input
21	Rain Wash Coating/Speed Dry/ integrated wiper and washer units	Mandatory
22	IP66 housing with built in heater and blower, Pole mounting bracket, sunshield etc	Mandatory
23	Peripheral items, fasteners etc. for safe mounting as required at site	Mandatory
24	Day/Night	Mandatory
		or Higher
Approved make		Sony/Hikvision/Pelco/Bosch/Samsung/Axis

Network IP Bullet Camera Specification – E/5

Sr. No.	Feature	Description
1	ONVIF conformance	Mandatory
2	UL listing	Mandatory
3	Zoom capacity	6x Optical Zoom or Better
4	Image Sensor	1/3" or 1/2.8" CCD/MOS/CMOS/
5	Scanning	Progressive
6	Resolution	HD 1080P or Higher
7	Main Profile Streams	Dual H.265 at 30 fps or higher
8	Focal Length & lens	Varifocal 5 to 30 mm Lens or better
9	Network replenishment on failure (with NVR / Camera or through software)	Mandatory
10	Memory Card support Micro SD	Mandatory
11	Audio mode	Two way bidirectional
12	Transmission/Streaming modes	Unicast/Multicast
13	Advance Tracking Feature	Object Removal Detection, Unattended Baggage Detection, Exception Detection, Defog, EIS, Face detection, Face detection, Statistics: Counting,
14	Privacy Masking	Mandatory
15	Video Motion detection ,Noise reduction/cancellation, Wide dynamic range (> 110dB)	Mandatory
16	Auto focus	Mandatory
17	DC Iris, IR Cut Filter, Target Cropping, Three Streams	Mandatory
18	Face Detection	Mandatory
19	iPhone/iPad/Android Phone Compatibility	Mandatory
20	Bandwidth optimisation features	CBR, VBR and Region of Interest or Variable Images on specified Areas to reduce bandwidth in network .
21	Power Source	PoE+ & standard DC/AC power input
22	Illumination	0.005 lux in color or better
23	Mounting	True Ceiling / False ceiling/Wall Mounted
24	Peripheral items, fasteners etc. for safe mounting as required at site	Mandatory
or Higher		
Approved make		Sony/Hikvision/Pelco/Bosch/Samsung/Axis

Network Dome Camera Spec – E/6

Sl.No.	Features	Description
1	ONVIF conformance	Mandatory
2	UL listing	Mandatory
3	Zoom capacity	22x Optical HD Zoom or better
4	Image Sensor	1/3" or 1/4" CCD/MOS/CMOS
5	Scanning	Progressive
6	Resolution	HD 1080p or higher
7	Aspect Ratio	16:09
8	Main Profile Streams	Dual H.265 at 30 fps
9	Focal Length	5 mm to 7 mm ~ 90 mm to 120 mm or better
10	Digital zoom	12x or better
11	Pan	350 degrees or better
12	Tilt	Tilt range minimum 110 degrees
13	Pre set	200 or more
14	Network replenishment on failure (with NVR / Camera or through software)	Mandatory
15	Memory Card support	Mandatory
16	Audio mode	Two way support
17	Transmission/Streaming modes	Unicast/Multicast
18	Advance Tracking Feature	Smart Event: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection Smart Record: ANR (Automatic Network Replenishment), Dual VCA ROI: Main stream, sub-stream, and third stream respectively support four fixed areas.
19	White Balance, Privacy Masking, Wide Dynamic Range (>110dB)	Mandatory
20	Pre-defined/Pre Programmed tours Video Motion detection , Noise reduction/cancellation	Mandatory
21	Mounting	True Ceiling / False ceiling/Wall Mounted
22	Power Source	PoE+ & AC/DC standard power input
23	Peripheral items, fasteners etc. for safe mounting as required at site	Mandatory
or Higher		
Approved make		Sony/Hikvision/Pelco/Bosch/Samsung/Axis

**U/UTP 4 Pairs cable-category 6- PVC Sheath
Content of the Data Sheet – E/7**

Feature	Description	
Category	75°C; U/UTP CAT6-4P-PVC-CM	
Test Standard	ISO/IEC11801, TIA-568-C.2, YD/T1019	
Ambient temperature	20°C - 75°C	
4 PR	23AWG	
Conductor	Material	HDPE
	Diameter	1.02±0.03mm
Sheath	Thickness	0.55±0.05 mm
	External O.D.	6.2±0.4 mm
	Surface	Clean, Frap, Satiation
	Material	PVC (Complies RoHS), CM
	Color	Multiple
Surface Printing	Letter height	3.0±0.3mm
	Color	Black
	Print error & Space	≤±0.5%, 1m
Core Color	1 White- Blue /Blue	2 White-Orange / Orange
	3 White-Green /Green	4 White- Brown / Brown
Electrical Characteristics (20°C)	1.0-250.0MHz	Impedance (Ω) 100±15
	1.0-250.0MHz	Delay Skew (ns/100m) ≤45
	DC Resistance (Ω/100m) max	9.38
	DC Conductor Resistance Unbalance (%) max	5
or higher		

Network CVR Expansion –E/8

Features	Description
Controller	2 Controller
SAS (Upper-level) Interface	2 (6Gbps)
SAS (Lower-level) Interface	1 (6Gbps)
HDD Interfaces	24
HDD Interface Type	SAS
Hot Swap HDD	Supported
Power	Redundant (1+1)
Working Temperature	5°C ~ 40°C (41°F ~ 104°F)
Storage Temperature	-20°C ~ +70°C (-4°F ~ +158°F)
Working Humidity	20% ~ 80% (With no icing and condensation)
Storage Humidity	5% ~ 90%RH (With no icing and condensation)
or Higher	

4+1 Port POE Switch – E/9

Features	Description
Network Ports	5
PoE Port	4, 10/100Mbps RJ45 ports
Uplink Port	1, 100M Ethernet Port
Standard	
Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at
Performance	
Switching Capacity	1Gbps
Max. Forwarding Rate	0.74Mpps
High Priority Ports	Port 1
Forwarding Mode	Store-and-forward
MAC Address Table	1k
Flow Control	IEEE802.3x full duplex
Power Over Ethernet	
PoE Standard	IEEE802.3af, IEEE802.3at
PoE Power Budget	58W
Working Mode	Extend On:250m,10M,CAT 5e
	Extend Off:100m
General	
Power Supply	51V DC, 1.25A
Power Consumption	≤63W
Surge Protection	4KV
Working Temperature	Temperature: 0°C-40°C
Working Humidity	Humidity: 10%-90% , non-condensing
Storage Temperature	Temperature: -40°C-70°C
Storage Humidity	Humidity: 5%-90% , non-condensing
or higher	

8+2 Port PE Switch – E/10

Features	Description
Network Ports	9
PoE Port	8, 10/100Mbps RJ45 ports
Uplink Port	1, 100M Ethernet Port
Standard	
Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at
Performance	
Switching Capacity	1.8Gbps
Max. Forwarding Rate	1.34Mpps
High Priority Ports	Ports 1-2
Forwarding Mode	Store-and-forward
MAC Address Table	4k
Flow Control	IEEE802.3x full duplex
Power Over Ethernet	
PoE Standard	IEEE802.3af, IEEE802.3at
PoE Power Budget	123W
Working Mode	Extend On:250m,10M,CAT 5e
	Extend Off:100m
General	
Power Supply	51V DC, 2.5A
Power Consumption	≤127W
Surge Protection	4KV
Working Temperature	Temperature: 0°C-40°C
Working Humidity	Humidity: 10%-90% , non-condensing
Storage Temperature	Temperature: -40°C-70°C
Storage Humidity	Humidity: 5%-90% , non-condensing
or higher	

24 Port PE Switch – E/11

Features	Description
Network Ports	26
PoE Port	24, 10/100Mbps RJ45 ports
Uplink Port	2, 1000M Combo Port
Standard	
Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at
Performance	
Switching Capacity	8.8Gbps
Max. Forwarding Rate	6.55Mpps
High Priority Ports	Ports 1-8
Forwarding Mode	Store-and-forward
MAC Address Table	4k
Flow Control	IEEE802.3x full duplex
Power Over Ethernet	
PoE Standard	IEEE802.3af, IEEE802.3at
PoE Power Budget	370W
Working Mode	Extend On:250m,10M,CAT 5e
	Extend Off:100m
General	
Power Supply	100-240V AC, 50/60Hz
Power Consumption	≤440W
Surge Protection	4KV
Working Temperature	Temperature: 0°C-40°C
Working Humidity	Humidity: 10%-90% , non-condensing
Storage Temperature	Temperature: -40°C-70°C
Storage Humidity	Humidity: 5%-90% , non-condensing
or higher	

16 port POE Switch – E/12

Features	Description
Network Ports	18
PoE Port	16, 10/100Mbps RJ45 ports
Uplink Port	2, 1000M Combo Port
Standard	
Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at
Performance	
Switching Capacity	7.2Gbps
Max. Forwarding Rate	5.36Mpps
High Priority Ports	Ports 1-8
Forwarding Mode	Store-and-forward
MAC Address Table	4k
Flow Control	IEEE802.3x full duplex
Power Over Ethernet	
PoE Standard	IEEE802.3af, IEEE802.3at
PoE Power Budget	370W
Working Mode	Extend On:250m,10M,CAT 5e
	Extend Off:100m
General	
Power Supply	100-240V AC, 50/60Hz
Power Consumption	≤250W
Surge Protection	4KV
Working Temperature	Temperature: 0°C-40°C
Working Humidity	Humidity: 10%-90% , non-condensing
Storage Temperature	Temperature: -40°C-70°C
Storage Humidity	Humidity: 5%-90% , non-condensing
or higher	

UPS 600 VA – E/13

<u>Output</u>	
Features	Description
Output Capacity	600 VA / 360 Watts
Output Voltage / Frequency (On utility)	230V / 50Hz
Output Voltage / Frequency (On battery)	230V +/-8%, 50 Hz +/-1Hz
Output Connections	Three (3) India 3-pin 6 Amp sockets (all with battery backup and surge protection)
Waveform Type	Stepped Approximation to Sine Wave
<u>Input</u>	
Input Voltage / Frequency	230V / 50 Hz
Input Connection	India 6 Amp plug, 1.2 meter power cord
<u>Battery</u>	
Battery Type	7.5AH Maintenance-free, sealed Dry Battery
or higher	

Specifications - 6TB1 Hard Disk E/14

Features	Description
Standard Model Numbers	ST6000VX0023
Interface	SATA 6Gb/s
Features and Performance	
Drive Bays Supported	8+
Cameras Supported	Up to 64
Max Sustained Transfer Rate OD (MB/s)	195
Cache (MB)	256
Reliability/Data Integrity	
Tarnish Resistant	Yes
Load/Unload Cycles	3,00,000
No recoverable Read Errors Rate, Max	1 per 10E15
Power-On Hours per year	8760
Workload Rate Limit (WRL) ²	180
Mean Time Between Failures (MTBF) (hours)	1M
Warranty, Limited (years)	3
Power Management	
Startup Current, Typical (12V, A)	2.0
Average Operating Power (W)	9
Idle Average (W)	7.2
Standby Mode/Sleep Mode, Typical (W)	0.6/.06
Voltage Tolerance (5V)	±5%
Voltage Tolerance (12V)	±10%
Environmental/Temperature	
Operating (ambient, min °C)	5
Operating (drive case, max °C) ³	70
No operating (ambient, min °C)	-40
Physical	
Height (mm/in, max)	26.11/1.028
Width (mm/in, max)	101.85/4.01
Depth (mm/in, max)	146.99/5.787
Weight (g/lb, typical)	705/1.55
Carton Unit Quantity	20
Cartons per Pallet/Cartons per Layer	40/8

JUNCTION BOX Specification – E/15

Comfortable for POE switch Dimension * 440mm*285mm*43mm

or **higher**

RJ 45 Connectors Specification– E/16

RJ45 modular plug supports 4 twisted pairs, meet wiring scheme * Housing:
polycarbonate, 94V-2, transparent color
Contact terminal: phosphor bronze
Finished: 50 micro-inch gold plating, over 50 micro inch Nickel plated on contact
area
Operating temperature: -40°C to 80°C
Cable to plug tensile strength: 7.7 kgs
Terminates 24-26 AWG stranded wires, wiring scheme T568A/T568B

or **higher**

Optical Fiber Patch Cord, Single Mode (OS2), LSZH Types 1/2/3 Mtrs – E/17

Characteristic	Minimum Required Specification
Features	LSZH Jacket-Reduced Toxic Gasses Emitted During Combustion. Simplex and Duplex Options 100% Factory Tested Low Insertion Loss and Return Loss Available with Corning Fiber Available in PC/APC Type Options High Precision Ceramic Ferrule with Good Concentricity SC/LC/FC options
	Technical Specifications:
	Connector Type : SC, ST, FC, LC, MTRJ Fiber Type : OS2 (9/125 Corning Clear Curve) Tight Buffer Color : White/yellow Tight Buffer Material : LSZH Tight Buffer Diameter (mm) : 0.9 +/- 0.05 Strength Member : Aramid Yarn Jacket Color : Yellow Jacket Material : LSZH Jacket Thickness (mm) : 0.45 +/- 0.05 Cable Diameter (mm) : 2.9(+/-0.1) X 5.9(+/-0.2) Cable Weight (kg/km) : Approx. 13.0 Minimum Bending : 30 (static) Radius (mm) Attenuation (db/km) : <= 1.5 at 1300nm, <= 3.5mm at 850nm Short Term Tensile (n) : 160 Crush Resistance (n/100mm) : 500 Operation Temperature: Minus 20 ~ Plus 70 (degree)
	Optical Specifications
	Insertion Loss : <= 0.2 db, Max 0.3db/MTRJ: Max 0.5db
	Return Loss : PC>= 45db, UPC>=50db, APC>=60db
	Mechanical Specifications
	Connector Ferrule : Ceramic, (MTRJ: PS Polyphenylene Sulphide) Apex Offset : <50µm Fiber Height : (+/-)100nm End Face Radius of Curvature : 7mm <R<25mm(Excluding MTRJ) Repeatability : <= 0.2db 1000 Times Mating Cycles

DRAWER TYPE LIU – RACK MOUNT –E/18

<u>Specification</u>
Min. 6 Port Configuration Available in Standard 19"
6/12/24 Ports Adapter Interface available from day one without any adapter plates.
Consist of Top Cover and Bottom Panel
Easy to Assemble and Disassemble
Three Types of Input Holes
Cable Entry Through Water Proof Cable Clamp
Splice Max 24 Fibres at Most with 1 Tray
Patch Cord with Bend Radius Guides Minimize Macro Bending
Install 6 Cable Management Rings Inside to Ensure Flexibility
Comprehensive Accessory Kits for Cable Entry and Fibre Management
Dimensions (mm) : 430 X 220 X 1U
Body Material : SPCC Black Powder Coating
or higher

<u>Conduit Pipe - E/19</u>
ISI Mark or higher

<u>Optical Line Terminal Specifications – E/20</u>
Agencies and groups establish several standards and qualifications for optical line terminals, including:
IEEE (Institute of Electrical and Electronics Engineers) ITU-T (Telecommunication Standardization Sector of the International Telecommunications Union) CableLabs®
MEF (Metro Ethernet Forum or higher)

Optical Network Terminal Unit - E/21

Features	Description
Require less maintenance Extended life Uninterrupted performance Efficient operations Long functional life	Optical power PON transmitting optical power range: -1 ~ +4dBm PON receiving optical power range: -4 ~ -26dBm
Network interface PNF02C series: 100M/ adaptive	Power supply Working voltage 100Va.c. to 240Va.c. (50/60Hz) Total power consumption ≤ 6W

Small form-factor Pluggable/ Mini GBIC (Gigabit Interface Converter)- E/22

Product/Performance Specifications	
Optical Receiver Sensitivity	-20dBm (max)
Interface Options	
Connector Type	LC
Operational Ranges	
Support Voltage	3.1-3.5V
Max Voltage	6.0V
Max Current	300mA
Safety Certifications and Environmental Information	
Class 1 Laser	EN 60825-1
FDA 21	1040.10 & 1040.11
Physical Specifications	
Dimensions (WxDxH)	1.19 x .47 x 2.25in (3.02x 1.19 x 5.71cm)
Warranty and Support Information	
Warranty	2 Year Warranty
Support	Free Technical Support
Ordering Information	
Part Number	• Description
DEM-310GT	• 1000BASE-LX SFP Up to 10km
DEM-311GT	• 1000BASE-SX SFP Up to 220/550m

Financial Bid**Estimate Cost for CCTV Surveillance system for Regional Institute of Education,
Ajmer.**

Sno	Description	Qty.	Unit	Make/ Model	Rate Per Unit	Total Cost in INR	Total Cost incl. Tax
1	Storage	01	Nos.				
2	Server	01	Nos.				
3	Video Management Software	300	Ch.				
4	2MP Network PTZ Camera	10	Nos.				
5	2 MP IP IR Bullet	80	Nos.				
6	2MP IP IR Dome	170	Nos.				
7	Lan Cable (Approx) in Mtr.	12500	Mtrs.				
8	CVR Expansion	02	Nos.				
9	4+1 Port POE Switch	03	Nos.				
10	8+1 Port POE Switch	04	Nos.				
11	24+2 Port POE Switch	04	Nos.				
12	16+2 Port POE Switch	05	Nos.				
13	600VA UPS	14	Nos.				
14	6TB Enterprises HDD	72	Nos.				
15	Junction Box	14	Nos.				
16	RJ-45 Connectors	700	Nos.				
17	Fiber Patch Code / Splicing	As per Site Requirements					
18	Local Intelligence Unit	01	Nos.				
19	Conduit ISI Mark	9000	Mtrs.				
20	Optical Line Terminal	01	Nos.				
21	Optical Network (Terminal) Unit	20	Nos.				
22	Small form-factor Pluggable/ Mini GBIC (Gigabit Interface Converter)	02	Nos.				
23	Installation Charges per camera						
24							
25							
Net amount ((Rupees							only)

NOTE:

- The rates quoted should be inclusive GST/Service Charge and all other overhead expenditure in INR only
- The quantity mentioned against each item is tentative and can be increase or decrease as per actual requirement.

(SEAL, SIGNATURE & NAME OF THE BIDDER)

Date: -

Financial Bid**Estimate Cost of Annual Maintenance Contract after Completion of Warranty Period for the CCTV Surveillance system for Regional Institute of Education, Ajmer.**

Sno.	Description	Rate Per Year with Material	Rate Per Year without Material	Total Cost incl. Tax
1	Annual Maintenance Contract for the CCTV Surveillance system for Regional Institute of Education, Ajmer			

Note: - Please mention the rates for the above with terms and Condition for the AMC. It is not necessary that the Institute is bound to award AMC. The decision of the Principal, RIE, Ajmer will be executed on Completion of Warranty. The rates of AMC will not be considered for evaluation of tender.