

**Tender**  
**For**  
**CCTV Camera Solution at AIIMS, Jodhpur**  
**At**  
**All India Institute of Medical Sciences, Jodhpur**

<b>NIT Issue Date</b>	<b>: 08<sup>th</sup> January, 2021</b>
<b>NIT No.</b>	<b>: Admn/Tender/64/2020-AIIMS.JDH</b>
<b>Pre-Bid Meeting</b>	<b>: 19<sup>th</sup> January, 2021 at 03:00 PM</b>
<b>Last Date of Submission</b>	<b>: 15<sup>th</sup> February, 2021 at 03:00 PM</b>
<b>Bid opening</b>	<b>: 16<sup>th</sup> February, 2021 at 03:15 P.M</b>

Tender documents may be downloaded from institute's web site [www.aiimsjodhpur.edu.in](http://www.aiimsjodhpur.edu.in) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app>



**All India Institute of Medical Sciences, Jodhpur**

Basni Phase - II, Jodhpur, Rajasthan-342005.

Telephone: 0291- 2740741, email: [procurement@aiimsjodhpur.edu.in](mailto:procurement@aiimsjodhpur.edu.in)

[www.aiimsjodhpur.edu.in](http://www.aiimsjodhpur.edu.in)

All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute established by an Act of Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites **Online bids in two bid system** for tenders for supply & installation of the CCTV Camera Solution at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

**Chapter-I**

<b>CCTV &amp; Surveillance BOM (Active Components)</b>					
<b>1</b>	<b>2</b>			<b>3</b>	<b>4</b>
<b>S No.</b>	<b>Particulars of the items</b>			<b>Qty</b>	<b>Unit</b>
	<b>Equipment</b>	<b>S.No.</b>	<b>Brief Description</b>		
1	Surveillance System (All Camera's with 5 years Warranty)	1	Dome Indoor Camera and Accessories	130	Nos.
		2	Bullet Camera and Accessories	50	Nos.
		3	PTZ Camera and Accessories	40	Nos.
		4	Central Monitoring System (CMS)	1	Nos.
		5	Network Video Recorder	1	Nos.
		6	Think Station	5	Nos.
		7	Professional Display 43"	15	Nos.
		8	Hard Disk Drive 8TB SV35	35	Nos.
<b>Active &amp; Passive Components BOM</b>					
<b>1</b>	<b>2</b>			<b>3</b>	<b>4</b>
<b>Particulars of the items</b>					
<b>S No.</b>	<b>Equipment</b>		<b>Brief Description</b>	<b>Qty</b>	<b>Unit</b>
1	Access Switches		12 Port PoE+ Switch with 4 SFP Ports	60	Nos.
2	LX modules		1000BaseLX GBIC Modules	260	Nos.
3	Passive Copper Components (Cat-6)		Information Outlets	250	Nos.
			Single Face Plate/SMB	250	Nos.
			3 ft. Workstation/Equipment Cords	200	Nos.
			7 ft. Workstation/Equipment Cords	100	Nos.
			12/24 Port CAT6 Patch Panel	65	Nos.
			CAT6 UTP Cable Box	45	Nos.
4	Fiber Components		6 Core SMF Armoured (Outdoor)	4750	Mtrs.
			6 Core SMF Armoured (Indoor)	1500	Mtrs.
			12 Port LIU fully Loaded	67	Nos.
			SC-LC/SC FIBER PATCH CORD(3 m)	200	Nos.
5	Networking Enclosures		12U Wall Mount Rack with Standard Accessories. The above racks must have all the standard accessories including wire manager, power distribution and hardware mounting ports.	33	Nos.
			12 U Weather proof outdoor racks	27	Nos.
6	Services		Laying of CAT6 UTP Cable in suitable PVC Casing	13725	Mtrs.
			Laying of PVC Pipe/Casing Capping	5500	Mtrs.
			Fixing and Termination of IO's	350	Nos.
			Labelling, Installation & Termination of Jack Panel	65	Nos.
			Fixing, Installation of 12 U Rack With Proper Management of Cables	60	Nos.
			Laying of indoor Fiber Cable in shaft or	1500	Mtrs.

		conduit.		
		Fixing & Installation of LIU	60	Nos.
		Fusion Splicing of Pigtails on Fiber Cables	375	Nos.
		Laying of HDPE Pipe	3700	Mtrs.
		Laying of GI Pipe	250	Mtrs.
		Digging & refilling for Outdoor OFC	4750	Mtrs.
		Fiber Link Testing With Power Meter and OTDR for dB Loss	1	LS
		Certification & Documentation Charges	1	LS
7	Accessories	HDPE Pipe 25mm	3700	Mtrs.
		PVC Conduit (suitable dia) with Accessories.	5500	Mtrs.
		7 Mtr SS Pole.	35	Nos.
		PVC Casing Capping (suitable dia) with Accessories.	6500	Mtrs.

**Instructions:**

- Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.**
- The complete bidding process in online. Bidders should be possession of valid digital Signature Certificate (DSC) of class II or III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at 0291-2740741.
- Tenderer/Contractor/Bidders are advised to follow the instructions provided in the ‘Instructions to the Contractors/Tenderer/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>’.**
- Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- Submission of Tender:**  
The tender shall be submitted online in two part, viz., technical bid and financial bid. All the pages of bid being submitted should be sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

**The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.**

**i) Technical Bid**

The following documents are to be furnished by the Contractor along with **Technical Bid** as per the tender document:

- Scanned copy of appropriate value of valid registration certificate (if any), experience certificate as per the tender notice, PAN, GST registration certificate and Tender Acceptance Letter.
- Scanned Copy of Make and model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.**

**ii) Financial Bid –**

**Bidder must submit financial bid in .xls (Excel workbook 97-2003 workbook) only.**

**Terms & Conditions:**

1. **Validity:** The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.
2. **"PRE –BID Meeting" with the intending bidders shall be held on 19<sup>th</sup> January, 2021 from 03:00 PM. onwards at AIIMS, Jodhpur.** All the prospective bidders are requested to send comments/representations on or before pre-bid meeting. Intending bidder will be allowed to seek clarification on specification, Conditions of Contract, etc. in writing to AIIMS, Jodhpur, within 48 hours after the pre-bid meeting.
3. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.
4. **Purchase Preference to Local Suppliers:-**In pursuance of Government of India Order No. P-45021/2/2017-B.E.-II dated 16th September 2020 (as amended from time to time) and F.No. Z.28018/67/2017-EPW dated 12th June 2018 purchase preference shall be given to local suppliers in all procurements undertaken in the manner specified hereunder and the procurement shall be made as per terms and conditions contained in the said order.
5. **Minimum local content:** The minimum local content shall as per Government of India Order No. P45021/2/2017-B.E.-II dated 16th September 2020 (as amended from time to time) and F.No. Z.28018/67/2017-EPW dated 12/06/2018, till the Nodal Ministry prescribes a higher or lower percentage.
6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20%. The Local supplier whose quoted price falls in the margin of purchase preference desirous of claiming benefit of the Order No. P-45021/2/2017-B.E.-II dated 16th September 2020 shall submit an undertaking within 7 days of opening of financial bid, that he would be ready to supply the product at L1 price. In case of non-receipt of the same, he would not be given purchase preference.
7. The bidders are required to submit the following annexure in compliance of public procument (Preference to Make in India) order, 2017:
  - i) Affidavit of self-certification regarding local content (to be provided on Rs. 100/- stamp paper).
8. **All other terms & conditions will be as per the Department of Industrial Policy and Promotion (DIPP) order No. P-45021/2/2017-B.E.-II dated 16<sup>th</sup> September 2020.**
9. **Delivery and Installation:**
  - i) For goods supplied from India:**

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **120 days** from the date of issue of supply order.
  - ii) For goods imported directly from abroad:**

All the goods ordered shall be delivered and Installed at AIIMS, Jodhpur within **180 days** from the date of opening of Letter of Credit for shipment.

All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the

stipulated date, then a penalty at the rate of 0.5% per week or a part thereof of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at AIIMS Jodhpur. The goods should be manufactured after adoption of latest technology.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely supply of the goods and performance of services, the supplier shall promptly inform the AIIMS, Jodhpur for extension of the delivery schedule accordingly. On receiving the supplier's communication, AIIMS, Jodhpur shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

- 8. Signing the Contract:** - The successful bidder shall be required to execute the Contract Agreement accepting all terms and conditions stipulated herein on a non-judicial stamp paper of Rs. 500/- (Rs. Five Hundred only) along with performance security within fifteen days of the issue of the Letter of notification of award. In the event of failure on the part of the successful bidder to sign the Contract within the period stipulated above the acceptance of BID shall be considered as cancelled.
- 9. Performance Security:** As a guarantee towards due performance and compliance of the contract work, the successful bidder (contractor) will deposit an amount equal to 03 % of order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation, including CMC period towards security deposit by way of demand draft/ bank Guarantee in favour of "All India Institute of Medical Sciences, Jodhpur" payable at Jodhpur drawn on any Nationalized Bank/Scheduled Bank and payable at Jodhpur within fifteen days of the issue of the Letter of notification of award along with non-judicial stamp paper of Rs. 500/- (Contract agreement).
- 10. Incidental Services:** The supplier shall be required to perform the following services:-
  - a. Installation & Commissioning, Supervision and Demonstration of the goods.
  - b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
  - c. On Site Training to Doctors/ Technicians/ Staff is to be provided by Supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine, as per direction of user department.
  - d. Supplying required number of operation & maintenance manual for the goods.
  - e. To provide non-locked open software and standard interface inter-operability conditions for networked equipment's in hospital management information system, wherever applicable.
- 11. Accessories & Consumables:** The separate price list of all accessories and consumables, if any, must be attached/ enclosed along with the Bid.
- 12. After Sales Service:** After sales service centre should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.
- 13. Inspection:**
  - a. AIIMS, Jodhpur shall have the right to inspect and/or to test the goods to confirm their conformity to the NIT Specifications at no extra cost to the Purchaser.

- b. AIIMS, Jodhpur right to inspect, test and, where necessary, reject the Goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by AIIMS, Jodhpur prior to the goods shipment.
- c. The Director, AIIMS Jodhpur shall be the final authority to reject full or any part of the supply which is not confirming to the specification and other terms and conditions.
- d. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

**14. Documents:**

- a. **All pages of the Tender should be numbered and indexed.**
- b. The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully confirm to the goods and services specified by the purchaser in the tender documents. For this purpose, the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender duly indicating relevant page numbers in the product literature.
- c. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last one year.

**15. Manufacturer Authorisation:** The bidder (if not original equipment manufacturer must submit Original Equipment Manufacturer authorization certificate that the tenderer is authorized for selling and maintain the equipment quoted for. Performa attached at **Annexure- IV**.

**16.** The bidders are required to submit user certificate for the relevant equipment on the letter head of the institution (Government/ Private).

**17.** The successful bidder will be required to submit order copies of the supply of the equipment in Government institutions for rate reasonability purpose.

**18. Insurance:** - The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. If the equipment's is not commissioned and handed over to AIIMS, Jodhpur within specified period, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the AIIMS, Jodhpur.

**19. Tender Currencies:**

- a. The bidder supplying indigenous goods or already imported goods shall quote only in Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in Indian Rupees.
- b. For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any, required with the goods, the same shall be quoted in Indian Rupees only, if such services are to be performed /undertaken in India.
- c. Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

**20. Tender Prices:** While filling up the columns of the Financial Bid, the following aspects should be noted for compliance:

**For domestic goods or goods of foreign origin located within India, the prices in the corresponding Financial Bid shall be entered separately in the following manner:**

- a. The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like GST, Custom Duty etc. already paid or payable on the

- components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.;
- b. Any GST or other taxes, which will be payable on the goods in India if the contract is awarded;
  - c. Charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Financial Bid;
  - d. The price of Incidental Services, as mentioned in List of Requirements and Financial Bid;
  - e. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
  - f. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

**For goods offered from abroad, the prices in the corresponding Financial Bid shall be entered separately in the following manner:**

- a. The price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Financial Bid;
- b. The price of goods quoted CIF port of entry in India as indicated in the List of Requirements and Financial Bid;
- c. The price of goods quoted for delivery at AIIMS, Jodhpur as indicated in the List of Requirements, Financial Bid and Consignee List;
- d. Wherever applicable, the amount of custom duty with CDEC applicable on CIF value on the goods to be imported;
- e. The charges for Loading/Unloading, Inland transportation, Insurance and other local costs, Incidental cost to delivery of the goods from the port of entry in India to AIIMS, Jodhpur, as specified in the List of Requirements and Financial Bid;
- f. The charges for Incidental Services, as in the List of Requirements and Financial Bid;
- g. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- h. The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid.

**Additional information and instruction on Duties and Taxes:**

The prices quoted are to be inclusive of GST/ taxes. However, any change in GST upward/downward as a result of any statutory variation in GST taking place within contract terms shall be allowed to the extent of actual quantum of GST. In case of downward revision in GST, the actual quantum of reduction of GST shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

**Customs Duty:** In respect of imported goods offered from abroad, the bidder shall specify the rate as well as the total amount of customs duty payable. The bidder shall also indicate the corresponding Indian Customs Tariff Number/ HSN code applicable for the goods.

- a. For transportation of imported goods offered from abroad, relevant instructions as incorporated shall be followed.
- b. For insurance of goods to be supplied, relevant instructions as provided shall be followed.
- c. Unless otherwise specifically indicated in this NIT document, the terms FCA, FOB, FAS, CIF, CIP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
- d. The need for indication of all such price components by the bidders, as required in this clause is for the purpose of comparison of the tenders by the purchaser and will no way restrict the AIIMS, Jodhpur right to award the contract on the selected bidder on any of the terms offered.
- e. ***Custom Duty as quoted in Financial Bid will be taken for comparison purpose. However actual reimbursement of Custom Duty will be lower of Custom duty/ taxes quoted or amount mentioned in Bill of Entry.***

- 21. Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. Transportation of goods up to AIIMS, Jodhpur and its successful installation and commissioning is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier. **NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC.**
- 22. Indian Agent:-**If a foreign bidder has engaged an agent in India in connection with its bid, the foreign bidder, in addition to indicating Indian agent's commission, if any, shall also furnish the following information:
- The complete name and address of the Indian Agent and its Permanent Account Number as allotted by the Indian Income Tax authority.
  - The details of the services to be rendered by the agent for the subject requirement.
  - Details of Service outlets in India, nearest to the AIIMS, Jodhpur to render services during Warranty and CMC period.
- 23. Firm Price**
- Unless otherwise specified in the NIT, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
  - However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated will apply.
- 24. Conversion of tender currencies to Indian Rupees: -** In case the bid document permits the bidders to quote their prices in different currencies, all such quoted prices of the responsive bidders will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the closing exchange rates established by the Reserve Bank of India for similar transactions, as on the date of '**Last Date of Submission of Tender**'.
- 25. Payment Terms:**
- Payment for goods supplied from India:**  
100% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the inspection report.
  - Payment for Imported goods:**  
For imported goods payment shall be made in the following manner:
    - On shipment:** 75 % payment of the contract price shall be paid 60 days after presentation of shipping documents {goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country} and upon the submission of the following documents:
      - Four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
      - Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill.
      - Insurance Certificate;
      - Certificate of origin by the chamber of commerce of the concerned country;
      - Certificate of country of origin;
      - Manufacturer's / Supplier's warranty certificate;
      - Manufacturer's own factory inspection report.
    - On Acceptance:** 25 % payment would be made after satisfactory installation & commissioning on issuance of Inspection certificate by the AIIMS, Jodhpur.

*Note:-The supplier shall not claim any interest or any other payment under the contract.*

**26. Guarantee / Warrantee Period:** The Tenderers must quote for 05 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected.

**UPGRADES**

- Any upgrades to software/Hardware with respect to firmware and revisions during the period of contract, warranty and AMC should be provided by the successful bidder at no extra cost to AIIMS.

**TRAINING**

- The Successful Bidder will train AIIMS, Jodhpur personnel at two levels
  - (a) Training for the worker's/security staff at locations level
  - (b) Training for AIIMS, Jodhpur supervisory staff at locations / any other places as desired by AIIMS, Jodhpur.

**27. Uptime guarantee:** The firm should provide uptime guarantee of 95%.

**28. Downtime penalty Clause**

- a. During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handling over the unit to the Institute.
- b. The principals or their authorized service providers are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

**29. Arbitration:** If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Director, AIIMS, Jodhpur. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1996 and the rule framed there under and in force shall be applicable to such proceedings.

**30. Subletting of Work:** The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of AIIMS, Jodhpur, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.

**31. Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by AIIMS, Jodhpur in that event the security deposit shall also stands forfeited.

**32. Insolvency etc.:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Jodhpur shall have the power to terminate the contract without any prior notice.

- 33. Force Majeure:** If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive. Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.
- 34.** Bidder shall upload a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.
- 35.** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.
- 36.** Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
- 37. After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer on Composite basis.**
- 38.** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.
- 39.** Conditional bid will be treated as unresponsive and it may be rejected.
- 40. Demonstration:** - AIIMS Jodhpur reserves the right to ask the tenderers for arranging demonstration of their equipment for which rates have been quoted, to the concerned committee, if required.
- 41.** The Institute reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
- 42. Applicable Law:**
- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
  - Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.
  - The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the parties.
  - Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

**Deputy Director (Admin)**  
**AIIMS, Jodhpur**

## **Bidder Prequalification Criteria**

In order to qualify for technical evaluation and further, bidder must meet the following minimum qualification criteria and submit relevant documents in support of following points:

1. The bidder should be registered in IT / ITeS related services business since last seven years.
  2. The bidder should have a minimum annual turnover of Rs. 4.75 Crores from the IT and IT enabled Services during the last three financial years ending on 31<sup>st</sup> March 2020.
  3. The Bidder should have G.S.T registration certificate in India.
  4. The bidder should have following valid certificates:
    - a. ISO 27001 Certificate
    - b. ISO 9001 Certificate
  5. The bidder should have similar experience in any Central or State Government, Public Sector Undertakings or any other Government controlled agency in past seven years ending on 31<sup>st</sup> March 2020 as follows:
    - a. One similar completed work of not less than Rs 3.80 Crores in one year;  
**or**
    - b. Two similar completed works each amounting to not less than Rs 2.85 Crores in one year;  
**or**
    - c. Three similar completed works each amounting to not less than Rs 1.90 Crores in one year.
- "Similar" experience means the bidder must have experience of Supply, Installation, commissioning and maintenance of CCTV Camera Solution.
6. The bidder should not be blacklisted by Any Central or State Government, Public Sector Undertakings or any other Government controlled agency.

**Deputy Director (Admin)**  
**AIIMS, Jodhpur**

## Annexure-I

### General Technical Specifications for CCTV Network Connectivity

#### Implementation

- The Area coverage has been done and includes the following buildings which are as follows:
  1. All the three hostels indoor & outdoor which are not covered and also try to accumulate/integrate the already installed cameras into the same project/NVR (Girls, boys and PG Hostel).
  2. Mess Area Upper Floor GYM Indoor.
  3. Three Gardens (3 Lawn).
  4. New Sports Complex.
  5. VVIP guest house and Guest House except the already installed areas (Indoor & Outdoor).
  6. Faculty Residential Area (Outdoor only).
  7. Outdoor Areas of Hospital, Medical College, Nursing College & parking's.
- The Vendor must quote the devices and equipment's (All Cameras Same OEM) (All Switches Same OEM) (All Passive Cabling Same OEM) to be used of single make or same OEM.
- The bidder has to submit the **Manufacturing Authorization Certificate from the OEM (Active and Passive both)** & technical specification is to be submitted on the OEM letter head with the compliance on every point either Yes or No failing this shall be considered rejected.
- The bidder should have following valid certificates:
  - ISO 27001 Certificate.
  - ISO 9001 Certificate.
- The **Devices warranty** should be of **5 years (Active/Passive Devices)**; In case of any faulty device or fault occurrence the device is to be replaced within 48Hrs of business working days. Also **CMC inclusive of GST** of the entire project for **5 Years has to be quoted along with the tender.**
- The Firmware of the device is to be upgraded from time to time at no extra cost to the AIIMS, Jodhpur. The Systems Should is to be monitored by central console.
- The Engineer-In-Charge from AIIMS has to be trained hands on to run the system smoothly.

**Technical Specifications for Dome Indoor Camera and accessories**

S.No.	Features	Specifications
1	Form Factor	DOME
2	Certification	UL,CE,FCC
3	Housing	IP 66 or better
4	System Compatibility	ONVIF profile S & G
5	Max Resolution	5MP(2592 X 1944)
6	lens	2.7mm to 12 mm motorized vari-focal length
7	Focus	Auto focus
8	Image sensor	1/2.8" or larger
9	H-FOV	99 ~ 30°
10	Min illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
11	Shutter speed	1/5 s ~1 / 100,000 s
12	Video compression	H.265, H.264
13	Video bit rate	256 Kbps to 8 Mbps
14	Noise reduction	2D / 3D DNR
15	Video Streams	Quad stream, Each stream should support H.265 compression.
16	IP filter	Should support IP filter for security purpose.
17	Frame rate	Main stream up-to 5MP@25fps , substream up-to 2MP@25fps , third and fourth stream up-to VGA@25fps
18	ROI	Should Support ROI for Better bandwidth consumption.
19	BLC	Should Support.
20	Day & Night	IR cut filter with auto switch.
21	Day / Night Switch	Auto / Schedule / Triggered by Alarm In.
22	Edge analytics	Motion Detection, Perimeter Intrusion, Line Crossing, Stationary Object, Face detection (Deep Learning) ,Cross counting , Pedestrian detection.
23	Image setting	Flip, Rotation, Corridor mode, Saturation, Brightness, Contrast, Hue, Sharpness adjustable.
24	Rotate Mode	Yes or should be available.
25	WDR	WDR @ 120 dB
26	Alarm	At-least 1 input, 1 output.
27	Audio	At-least 1 input, 1 output.
28	SD Card support	Up-to 128 GB or higher can be good.
29	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP. Industry Standards.
30	Video output	Available or YES.
31	Reset button	Available or YES.
32	Security	Flash-prevention, dual stream, heartbeat, password protection, privacy mask, IP address filtering.
33	Digital Zoom	Should have the capability to digitally zoomed in web browser by selecting the area using mouse.
34	Factory Default	Should have the option of setting the configuration to factory default except network settings.
35	Privacy Zones	Min 4 Nos. of selectable privacy Zones.
36	User accounts	Should support 1 admin and at-least 5 user accounts.
37	Firmware upgrade	Firmware upgrade shall be done through web browser.

38	Remote Update	Camera IP and firmware should be upgradable through the device search tool/Software without directly logging in to the camera. Firmware should also be upgradable through web browser
39	Defog	Should support Defog mode.
40	IR Distance	Min IR distance 40 meters.
41	Vandal resistant	IK10.
42	Operating Temperature	-5°C ~ 55°C Humidity 95% or less (non-condensing) As supported in Rajasthan Heat.
43	<b>Approved Makes</b>	<b>Axis/Impulse/Bosch/Mobotix.</b>

### **Technical Specifications for Bullet Cameras and accessories**

S.No.	Features	Specifications
1	Form Factor	BULLET
2	Certification	UL,CE,FCC
3	Housing	IP 67 and IK 10 or better
4	System Compatibility	ONVIF profile S & G
5	Max Resolution	5MP(2592 X 1944)
6	lens	2.7mm to 12 mm motorized vari-focal length
7	Focus	Auto-focus
8	Image sensor	1/2.8" or larger
9	H-FOV	99 ~ 30°
10	Min illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
11	Shutter speed	1/5 s ~ 1 / 100,000 s
12	Video compression	H.265, H.264
13	Video bit rate	256 Kbps to 8 Mbps
14	Noise reduction	2D/3D DNR
15	Video Streams	Quad stream , Each stream should support H.265 compression
16	IP filter	Should support IP filter for security purpose.
17	Frame rate	Main stream up-to 5MP@25fps , substream up-to 2MP@25fps , third and fourth stream up-to VGA@25fps
18	ROI	Should Support ROI for Better bandwidth consumption.
19	BLC	Should Support.
20	Day & Night	IR cut filter with auto switch.
21	Day / Night Switch	Auto / Schedule / Triggered by Alarm In.
22	Edge analytics	Motion Detection, Perimeter Intrusion, Line Crossing, Stationary Object, Face detection (Deep learning) ,Cross counting , Pedestrian detection.
23	Image setting	Flip, Rotation, Corridor mode, Saturation, Brightness, Contrast, Hue, Sharpness adjustable
24	Rotate Mode	Yes
25	WDR	WDR @ 120 dB
26	Alarm	At-Least 1 input, 1 output
27	Audio	At-Least 1 input, 1 output
28	SD Card support	Up-to 128 GB, higher can be good.

29	Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,PPPoE,SMTP,NTP,UPnP,SNMP,HTTPS,FTP,
30	Video output	Available or YES
31	Reset button	Available or YES
32	Security	Flash-prevention, dual stream, heartbeat, password protection, privacy mask, IP address filtering.
33	Digital Zoom	Should have the capability to digitally zoomed in web browser by selecting the area using mouse.
34	Factory Default	Should have the option of setting the configuration to factory default except network settings.
35	Privacy Zones	Min 4 No's of selectable privacy Zones
36	User accounts	Should support 1 admin and at-least 5 user accounts
37	Firmware upgrade	Firmware upgrade shall be done through web browser
38	Remote Update	Camera IP and firmware should be upgradable through the device search tool/Software without directly logging in to the camera. Firmware should also be upgradable through web browser.
39	Defog	Should support Defog mode.
40	IR Distance	Min IR distance 50 meters.
41	Operating Temperature	-5°C ~ 55°C Humidity 95% or less (non-condensing) As supported in Rajasthan Heat.
42	Approved Makes	Axis/Impulse/Bosch/Mobotix.

#### **Technical Specifications for PTZ Camera and accessories**

S.No.	Features	Specifications
1	Camera type	Dome PTZ
2	Sensor	Sensor size should be 1/2.8" or larger
3	Day/ Night Operation	Yes with IR Cut Filter
4	Minimum illumination	0.05 @ F1.6 (Color), 0 (B/W) @ F1.6
5	Focal Length	4.3-129 mm corresponds to 30 X optical zoom
6	Zoom	30X optical Zoom ,12 X Digital Zoom
7	Electronic Shutter	1 ~ 1/10,000 s
8	Image resolution	3 MP ( 2048 X 1536 ) or better
9	Video Compression	H.265, H.264
10	Frame Rate and Resolution	H.265/H.264 3MP (2048 X 1536) @25/30 fps , 2 MP (1920 X 1080 ) @ 50/60 FPS
11	Simultaneous Stream	Minimum 2 streams should be configurable at 1920 X 1080p simultaneously.
12	White Balance	Auto / Manual / ATW / One Push.
13	GOV Length	It should be possible to vary the GOV length in the camera setting.
14	Field of view	64° - 2.4 ° or better.
15	Noise Reduction	2D DNR , 3D DNR , Color Noise reduction.
16	Resolution	3 MP ( 2048 X 1536 ) or better .
17	Multiple Stream	Quad Stream with each stream should support H.265 , H.264 compression.
18	Frame Rate (Main stream)	Up-to 25 fps @ 3MP , up-to 50 fps @ 2 MP

19	Video Streams	Each stream should be individually configurable at different resolution, bit rate and frame rate.
20	Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue adjustable.
21	Focus	Auto / Manual
22	Two way audio	At-least 1 Line in , Line Out
23	WDR	120 dB
24	Audio Compression	G.711 , G.726 , AAC
25	Iris	P iris.
26	IR	Inbuilt IR , IR distance up-to 200 mtr
27	Illumination Adjustment	IR illumination adjustment by zoom ratio with inbuilt IR LEDs
28	Alarm	4 input , 2 Output
29	Edge Video Content Analytics	Camera should have in-built Edge Based Analytics, Abandoned Object, Intrusion Detection, Tampering, Wrong Direction, Loitering Detection, Object Counting, Stopped Vehicle, Object Removal.
30	Storage backup on network failure	Camera should support network failure detection , Camera should have the capability to start the recording automatically on SD card in case of connectivity between camera and NVR/Storage device goes down.
31	Edge Storage	Built in SD card slot with support up-to 128 GB SD card.
32	Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF.
33	Text Overlay	Date & time, and a customer-specific text etc.
34	Security	HTTPS , IP Filter , IEEE 802.1X
35	Firmware Upgrade	The firmware upgrade shall be done though web interface, The firmware shall be available free of cost
36	Privacy Mask	Up-to 20 privacy zones.
37	PTZ	Pelco D, Pelco P, DSCP Protocol Support
38	PAN	360 ° endless , Manual speed 0.1° ~ 300°/s , pre-set speed 9° ~ 350°/s
39	Tilt	-20° ~ 200° , Manual speed 0.1° ~ 200°/s , Pre-set speed 7° ~ 300°/s , Auto flip
40	Presets	256
41	PTZ Operation	8 sequence , 8 cruise , Auto pan
42	Speed by zoom	Pan and tilt speed proportional to zoom ratio
43	Home Function	Pre-set , Sequence ,Auto pan , Cruise
44	Calibration	Auto( On/Off)
45	Resume after power loss	Supported zero downtime power switching
46	Alarm response	Preset , Sequence ,Auto Pan , Cruise
47	BNC	1 X BNC.
48	Ethernet Interface	1 X RJ 45.
49	Certifications	UL ,CE,FCC
50	Compatibility	ONVIF profile S , G and Q.
51	Supported Web browser	Internet Explorer (10.0+) / Firefox / Safari
52	Weather Proof	IP 66 or higher.
53	Operating Temperature	-5°C ~ 50°C As supported in Rajasthan Heat.
54	Power Supply	802.3at (PoE+) 4-Pair 60W / AC 24V ± 20% .

55	Power Consumption	45W or less (with IR & Heater on).
56	<b>Approved Makes</b>	<b>Axis/Impulse/Bosch/Mobotix</b>

### **Technical Specifications for CMS (Central Monitoring System)**

S.NO	Features	Specifications
1	Remote surveillance	It should be possible to add multiple Cameras in single CMS
2	Easy Display	Easy selection of camera for monitoring through drag and drop from the list
3	Multi Monitor Support	CMS should support output on two monitors simultaneously with different cameras in each monitor
4	Retrieval of recording	Recording should be retrieved from CMS
5	Grid layout	Support grid layout of 1,4, 8,16,32,64,128 cameras
6	PTZ Controls	CMS should support controls for PTZ cameras
7	Users	Support 1 admin and at-least 5 other users , admin should have right to allow or disallow permission to other users
8	Users permissions	Admin shall have all these rights; Other users shall have restriction as configured by the administrator. Admin can restrict to allow only selected cameras to be monitored by other users and can restrict the actions to other users.
9	E-Map	CMS shall support E-Map, E-Map can be upload in PNG or JPEG format.
10	Edit – E-map	It shall be possible to edit the name of E-Maps or delete E-Map and upload new E-Map , CMS shall support Multiple E-Maps.
11	Logs	Operation Logs, System Logs, Backup Log, View Backup.
12	Alarm Sound	Alarm sound on motion detection and alarm input
13	Device group Management	Should support device group management.
14	Device connection	Should support device connection through device IP as well as through P2P ID

### **Technical Specifications for Network Video Recorder**

S.No	Features	Desired Parameters
1	NVR	64 Channel NVR
2	Recording bandwidth	Max 640Mbps
3	Recording Resolution	8MP (4K), 5MP, 3MP ,2MP(1080P),1.3MP(960P),1.0MP(720P)
4	Display Split	1/4/6/8/9/10/13/14/16/17/19/22/25/32/36/64
5	live/Playback performance	4K: 4ch real-time , 4MP: 8ch real-time , 3MP: 10ch real-time , 2MP: 16ch real-time
6	Playback	Max 8ch playback
7	Output Interface	1 HDMI (up to 4K), 1 VGA
8	Display Resolution	1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080,2560*1440, 3840*2160
9	Alarm Input/out	16ch in / 4ch out
10	Ethernet	RJ-45 port (1000M)
11	Smart Phone	iOS, Android
12	Internal HDD	8 SATA HDDs, each HDD up to 8TB

		support RAID 0/1/3/5/10/JBOD/CLONE
13	RS485	1 X RS485
14	e-SATA	1 X e-SATA
15	Line in	1 X Line in
16	USB	1x3.0 USB for backup/upgrade , 2x 2.0 or above USB for mouse
17	AI-Registered quantity	10000
18	AI-Maximum captured quantity	200,000 faces
19	ONVIF	ONVIF profile S & G
20	Power Supply	AC 110~240V
21	Certification	UL,CE,FCC
22	Type	Rack-mount 2U & above

### **Technical Specifications for Professional Display 43"**

S.No.	Item	Description
1	General	Minimum 43" (43" DIAGONAL ) screen size, LED Professional Display Unit.
2	Native Display Resolution	1920*1080p(full HD) or more
3	Audio	In built Speakers 5w+ 5w (RMS) or more
4	Orientation	Landscape and portrait both
5	Input Connector	Minimum 1VGA 1 DVIx1,1HDMI,1USB,and audio video in
6	Output Connector	Audio Out
7	Other	RJ 45Connector
8	Contrast Ratio	1100:1 in case of IPS or better
9	Brightness	Min.350 cd/m(nit) or higher
10	Input Voltage	Ac100-240V 50/60 Hz
11	Surface treatment	Hard coating 3h,anti-glare treatment
12	Remote Control	Wireless Remote Control Two remote controls shall be supplied with each unit
13	Warranty	Three Year (onsite comprehensive)
14	Certification	CUL,FCC,CE,C-TICK
15	Wall Mount Kit	The wall mount should be cable of bearing the load of screen.
<b>16</b>	<b>Approved Makes</b>	<b>Sony/LG/Samsung/Panasonic</b>

**Technical Specifications for Hard Disk Drive****8TB SV35****Technical Specifications for Think Station**

<b>Description / Parameters</b>
· Client Hardware - Industry standard Intel based platform, rack mountable, licensed Microsoft Operating system and requisite user licenses, licensed application suites.
· Intel Core i3 Generation 9th or higher @ 3.0 GHz or higher, min. 16 GB RAM DDR4, 256 SSD, 1TB SATA II hard drive for OS and VMS applications, NVidia GTX 570 or DirectX VA 2.0 compatible card with 2 GB of RAM, 1600 x 1200 or higher screen resolution, 10/100/1000 Mbps Ethernet Network Interface Card, min. 16x DVD+/- RW Drive.
· Required Operating Systems: - For Client PCs: Microsoft Windows 8/8.1/10 Professional 64-bit.
· Browser Requirements: Internet Explorer 11 or higher (for Web Clients), latest versions, Mozilla Firefox or Google Chrome.
· Desired better Quality 104keys or higer based USB Keyboard & Tw-click and scroll down roller USB Optical Mouse.
· 22"or higher LED TV / Resolution 1920 x 1080 / Connectivity: VGA/ HDMI-2, USB-1, HEAD PHONE-1 / Sound: Dolby digital / Digital Noise Filter / Clear Motion rate -100Hz /including wall mounting bracket & clamps / sufficient length of VGA and/or HDMI cable as per site requirement / Power cord / HDMI-VGA converter (if required) / Remote with battery/ Operating manual etc. Or Higher Specification.

**Technical Specifications for Switches PoE+ 12 Port with 4 SFP**

<b>S.No.</b>	<b>General Specifications</b>	
1.1	Form Factor	Rack mountable Ethernet switch.
1.2	Architecture	Non-Blocking architecture. Must have EAL3 /NDcPP or above common criteria certification.
1.3	IPV6 Compliance	All Functionalities of Switch shall be IPv6 compliant and it should work on IPv6 Platform without any additional hardware/ software.
1.4	End of sale	OEM End-of-sale declaration shall not have been released for the quoted model at the time of the bid submission.
1.5	Latest OS version	The switch shall be supplied with the latest OS version and all the proposed switch should be of same IOS.
1.6	Feature Availability	All the specified features/parameters/certifications must be available on the Technical Bid opening date. Features /parameters /certifications proposed to be available in near future / on roadmap shall not be considered.
1.7	Basic Layer-3 Support	Switches must be managed Basic layer-3 type for better broadcast segmentation.
1.8	Interface Specifications:	Non-blocking architecture
1.9	Ports	Switch Should have at least 12 x10/100/1000T POE+ port with min 4 x1G SFP ports from day 1, and Upgradable to 10 G SFP+ Switch should be Stackable up to 8 unit, Stacking Module and stacking/DAC cable

		should be included from day 1. Geographically stacking should be achieved if required for ease of management, USB 2.0 port for external USB flash, Less than 4 microsecond latency (64-byte). POE Switch shall have minimum Power Budget 200 W.
1.10	SFP Transceivers	All the Transceivers/Modules used to connect the Switches should be from the same OEM/make of the switches only
1.12	Port status display	Each port must have a dedicated LED for status display.
2	<b>Hardware Specifications:</b>	
2.1	Back Plane Bandwidth	At least 104Gbps switching bandwidth
2.2	Packet throughput	70 Mpps or more for each member switch.
2.3	MAC Addresses and memory	16 K or more, Min 1GB RAM Min 4GB Flash
2.4	VLANs (802.1q tagged VLAN)	4000 or more Concurrent
3	<b>Standards and Protocols</b>	
3.1	L2 Loop Protection	IEEE 802.1d Spanning tree protocol
		802.1s MSTP (Multiple instances of STP)
		802.1w RSTP (Rapid spanning tree), Should support less than 50 Millisecond convergence.
3.2	Link Aggregation	802.3ad Link Aggregation
3.3	QOS Support	At least 12 nos of 802.1p Priority Queues per port.
3.4	IP Multicast	IGMP Snooping
3.4	Port Mirroring / Span port	Port mirroring must be available.
4	<b>Routing Features:</b>	
4.1	Routing Protocols:	The switch shall have hardware based forwarding for IPv4 & IPv6. Following protocols shall be supported with IPV4: Static routing, PBR, RIPv2, OSPFv2 IPV6: PBR, Static routing, RIPng, OSPFv3 The switch shall have Dual stack mode to run both IPv4 & IPv6 RIP and RIPng ready from day 1.
4.2	Router redundancy	Shall support VRRP for IPV4 and IPV6.
4.3	<b>Security Features:</b>	
4.4	Network Login	MAC and 802.1 X based Login must be available
4.5	Port Security	MAC Address based Lockdown and Limited Learning
4.6	Access Control Lists:	L2/L3/L4 IP based, Source port, destination port, MAC based, Time based
4.7	AAA (authentication, authorization and accounting)	AAA using RADIUS must be available
5.	<b>Management and Monitoring:</b>	
5.1	Management	Following in-band management methods shall be available:
		Secure Web based management (On https)
		SSH based management (SSH v2).
5.2	Out-of-band management	<b>Following out-of-band management methods shall be available:</b>
		Serial console port.

		Management ethernet port .Dedicated OOB port
5.3	Role based Administration	The switch shall support multiple administrator accounts. Each administrator account shall be configurable with the desired level of management privileges.
5.4	Remote Monitoring	RMON Support RFC 5357 for measuring round-trip performance between two devices
5.5	Network Management	The switch should support SNMP V2c and V3, XML api and SDN with Openflow
5.6	Log Management	Syslog shall be supported with multiple syslog destinations.
5.7	Flow export	Shall support Netflow/IPFIX/sflow for flow exports.
5.8	Time synchronization	Time synchronization using Network time protocol must be available.
5.9	Configuration backup & restore	The switch shall have feature of backing up the configuration & restoring a backed- up configuration. Multiple Configuration files must be supported.
5.10	TFTP/FTP upload and download	Config/image upload and download from TFTP/FTP server shall be available.
6.	<b>Other Requirements:</b>	
6.1	Interface cables and other features	Console cable and power cable (As per Indian standards) to be provided. All Cables shall be factory-terminated. The Switch Operating System (OS) should mandatorily support individual process (eg ssh , snmp, telnet, dhcp etc) restart to prevent reboot in case of Software Process Crash by running processes on top of Kernel. Should support AVB to ensure set of standards that provide the means for highly reliable delivery of low-latency, time-synchronized AV streaming services through Layer 2 Ethernet networks
6.2	Power Supply & FAN	Each switch should be populated with minimum 1 PSU, should have option for RPS.
6.3	Safety certification	The switch shall conform to IEC-60950/CSA-60950/EN-60950/UL-60950 standard for safety requirements of information technology equipment.
6.4	Environmental conditions	The offered equipment must be able to operate in the following environmental conditions
		Operating temperature: 0°C to 50°C Relative Humidity: 10% to 95% Non-condensing
6.5	Electromagnetic interference	The Offered equipment shall have FCC certification's, CE
<b>OEM should be present in latest Gartner leader quadrant for wired and wireless segment 2019.</b>		

**Technical Specifications for Fiber Components**

S. No	Item	Description
1	Fiber Components	1. 6 Core SMF- unitube armoured with 2 rod as a central strength member. (Outdoor)
		2. 6 Core SMF- unitube unarmoured with 2 rod as a central strength member. (Indoor)
		3. 12 Port LIU Loaded (WR CRS with coupler & pigtails)
		4. SC-LC/SC FIBER PATCH CORD(3 m)
2	Approved Makes	Panduit/ Siemon/Digisol

**Technical Specifications for Passive Copper Components**

S. No	Item	Description
1	Passive Copper Components (Cat-6)	1. Information Outlets (Shutter Jack)
		2. Single Face Plate/SMB (86mm x 86mm) (Approx)
		3. 3 ft Workstation/Equipment Cords.
		4. 7 ft Workstation/Equipment Cords.
		5. 12/24 Port CAT6 Patch Panel (loaded with shutter jack with rear cable manager).
		6. CAT6 UTP Cable Box FRPVC 23AWG.
2	Approved Makes	Panduit/Siemon/Digisol

**Technical Specifications for Passive components**

<b><u>Technical Specifications for Passive Items (UTP Cable &amp; Optical Fiber Cable)</u></b>
<b>General Requirements:</b>
<b>All UTP Components should be from the same OEM.</b> The OEM should be ISO 9001:2000 Certified.
The cabling should be certified to have application support warranty for next 10 years and above. The complete cabling system offered shall be upgradeable to the intelligent system by simply bringing in additional hardware or software.
<b>All passive items (Copper &amp; Fiber with component) will be single OEM.</b>
<b><u>Installation &amp; Commissioning</u></b>
This includes the cost of labour and any other material required such as:
Patch connectors, Patch leads, mounting and fitting hardware, plugs, sockets, any hardware/software,
Laying/tagging of cables in conduits/HDPE pipe/Flexible pipe, necessary excavation, and network components.
Digging & resurfacing of hard surface, concrete works, fitting, fixing, testing of whole system etc. as required to complete installation and commissioning of the whole
CCTV Solution system project of a terminal including <b>five (5) year onsite warranty support</b> of all equipment's & accessories etc.

**Technical Specifications for Networking Enclosures**

S. No	Item	Description
1	<b>General Requirements</b>	Rack should be designed to provide <b>Secure, Store, Streamline and Systemize IT Equipment's</b>
		Racks should be manufactured out of steel sheet punched, formed, welded and powder coated.
		Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 (General Industrial Standard for equipment's) or Equivalent EIA /ISO / EN Standard.
		Rack should have 2 No Adjustable, 19" verticals with Punched 9mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offering greater mounting flexibility and maximizes usable mounting space
		The Racks should be 550mm in width and 500 in depth for Network application.
2	<b>Physical Specifications</b>	The Dimensions of the racks should be - HxWxD = 613x550x500 (Approx).
		Standard for Rack configuration should be welded frame integrated with side panel and vented top cover.
		Usable Height should be 12U.
3	<b>Equipment Access &amp; Installation</b>	The front door should open to allow easy access.
		Rack should have 1 Packet of mounting hardware, Pack of 20.
		All weight bearing components should be made from steel with a thickness not less than 1mm.
		All sheet metal parts should be Pre-Treated and powder coated meeting ASTM Standard.
4	<b>Certifications, Environmental and Safety Requirements</b>	Racks should be manufactured by ISO9001:2008, ISO14001:2004 & OHSAS18001:2007 Certified company and should have proper EHS Policy.
		Products must be UL Certified.
		Manufacturer must certify that the products are RoHS Compliance
		Manufacturer must certify that the products are Comply DIN41494 and Equivalent EIA/ISO/EN /CEA Standard.
		The rack should comply minimum of IP 20 rating for protection against touch, ingress of foreign bodies and ingress of water.
		The enclosure should both protect the user from mechanical hazards and generally meet the requirements for a mechanical enclosure (stability, mechanical strength, aperture sizes, etc.) as defined in IEC 60950 Third Edition
		Rack should have 1 no. Power Distribution Units with 6No 5A Indian Round Pin with PDU Rating 1.8KVA
		Rack should have 1 no. Horizontal Cable Organizer with plastic loops
		Rack should have provision for cable Entry and Exit from both top and bottom
		Rack should have 1 no. Cantilever Shelf for mounting NON-Rack Mountable Equipment's
Rack should have Front Toughened Glass Door with lock and key		

		The unit should be shipped fully assembled as one orderable Unit
		The manufacturer should offer an inside-delivery shipping option which includes reasonable delivery to the inside of the building and removal and disposal of shipping material and packaging.
5	<b>Warranty and Support</b>	The Products manufactured should provide warranty for five (5) year from date of invoice, the warranty does not cover wrong Usage or miss-handling the products
		Electrical items such as Sockets, switches, fans etc. should have warranty for five (5) year from date of installation
		For malfunction of any units/item in the rack, the support should be provided within the next business day
		Warranty claim has to be attended within 72 working hours
6	<b>Approved Makes</b>	<b>APC/Netrack/Panduit</b>

### Technical Specifications for Outdoor Weather Proof Racks

S. No	Item	Description
1	<b>General Requirements</b>	Rack should be designed to provide <b>Secure, Store, Streamline and Systemize IT Equipment's</b>
		Rack should have 100% assured compatibility with all equipment's conforming to <b>DIN 41494</b> (General Industrial Standard for equipment's) or Equivalent <b>EIA /ISO / EN Standard</b>
		The Rack should have 4 No Adjustable, 19" verticals with Punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offering greater mounting flexibility, with numbered U positions
		The Rack should be 613mm in height, 600mm in width and 500mm in depth
2	<b>Physical Specifications</b>	Rack should support static load of 30 kgs (Uniformly distributed in U space)
		Rack should be associated with front metal door with Knob lock & key and should have provision to mount on Wall/Pole
		Rack should have PU Gasket associated with the door
		Rack should be fully welded frame with integrated side panel
3	<b>Equipment Access &amp; Installation</b>	The Rack should have 12U usable Space
		The Rack should have 2No's adjustable, 19" verticals with punched 10mm square hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, with numbered U positions
		The OEM should include 20 No of Mounting hardware for equipment fixing.
		The front door should be easily detachable.
		The front door should open to allow easy access.
		Side panels should have integrated with the frame so that overall width of the unit does not change with the side panels installed

4	<b>Certifications, Environmental and Safety Requirements</b>	All weight bearing components should be made from CRCA with a thickness not less than 1.5 mm, 19” equipment mounting angle should be 1.5MM and other parts not less than 1.5mm
		All sheet metal parts should be Pre-Treated, primer Coated followed by powder coated meeting ASTM Standard and Out Door / IP55 Requirement
		Racks should be manufactured by ISO9001:2008, ISO14001:2004 & OHSAS18001:2007 Certified company and should have proper EHS Policy.
		Manufacturer must certify that the products are RoHS Compliance.
		Manufacturer must certify that the products are Comply DIN41494 and Equivalent EIA/ISO/EN /CEA Standard.
		The rack should comply minimum of IP 55 rating for protection against touch, ingress of foreign bodies and ingress of water.
		The enclosure should both protect the user from mechanical hazards and generally meet the requirements for a mechanical enclosure (stability, mechanical strength, aperture sizes, etc.) as defined in IEC 60950 Third Edition.
		Provision to Fix Exhaust Fans on the bottom panel with Louvers.
5	<b>Type Of PDU</b>	Normal
6	<b>Phase</b>	1Phase
7	<b>Rating</b>	3.6 KVA
8	<b>Current</b>	16A
9	<b>Type Of Out Let</b>	Indian Round Pin
10	<b>No Of Out let</b>	6
11	<b>PDU Mounting</b>	Horizontal
12	<b>Space Requirement</b>	2
13	<b>Warranty and Support</b>	The Products manufactured should provide warranty for 3 year from date of invoice the warranty does not cover wrong Usage or miss-handling the products.
		Electrical items such as Sockets, switches, fans etc. should have warranty for five (5) year from date of installation.
		For malfunction of any units/item in the rack, the support should be provided within the next business day.
		Warranty claim has to be attended within 72 working hours
14	<b>Approved Makes</b>	<b>APC/Netrack/Panduit</b>

**Technical Specifications for Power Supply backup unit**

<b>Technical Specifications for Power supply backup unit</b>					
	Power Rating		20kva	Qty Nos.	1
<b>Architecture</b>	UPS Topology		On line double conversion, Stand alone, transformer-less, On-Site Paralleling		
<b>Input</b>	Voltage Range	v	400±20%		
	In/Out phase Configuration		Three phase-Three phase (Optional Three phase-Mono phase)		
	Frequency	Hz	50±5%		
	Input Power Factor		>0.9		
	Charger Topology		BUCK-IGBT		
	Electrical Connection		16 Sq. mm (Neutral & Phase) Earth 1.5 Sq. mm		
<b>Output</b>	Power Factor		0.8, unity lag load		
	Voltage	v	380/400, 415 3ph+N+PE, 20.00VA		
	Voltage Regulation	%	±1		
	Frequency	Hz	50		
	Frequency Regulation	Hz	±0.05		
	Wave Form		Pure Sine Wave		
	Transient Response	%	<5(10%~90% (Linear Load))		
	Voltage Harmonic	%	<2 (Linear Load)		
	Over Load Capacity		110% 10 min. 111% to 150%: 1 min. >150% : 1 Sec		
	Crest Factor		2,5:1 accordingly to IEC 62040-3		
<b>Audible Warning</b>	Battery Back-up Ending		Intermittent		
<b>Display</b>	LED		Inverter ON, Battery High, Charging ON, Battery Low, Over Load.		
<b>Protection</b>			Output high voltage, Output low voltage, Overload, Short circuit, DC Short circuit, Battery over charging.		
	LCD Meter (Without Touch Screen)		Input & Output Voltage. Frequency & Current, Battery Low, DC Voltage. Charging & Discharging Current.		
	Touch Screen Color Display (Optional)		Input Output & Battery Parameter, On/Off & other Switches, Load Level & Battery Status Tripping Status.		
<b>Interface</b>	Db9		RS232/USB Port, SNMP (Optional), Emergency Power off.		
<b>Others</b>	Battery Start		Standard		
	Cabinet Wheels		Standard/Optional		
	Extended Battery Charging		Optional		
	Sta2c By Pass		Optional/Default Rotary Switch		
<b>Overall</b>	Efficiency (AC-AC)	%	>85(Full Load)		
	Transfer Time	ms	0		
	Temperature	°c	0~50		
	Humidity	%	25-95(Non-Condensed)		
<b>Batteries</b>	<b>Lead Acid, sealed free(12V)/Dry Cell, Zero Maintenance Minimum 25 Batteries with Warranty of 5 years.</b>				

**Annexure-II****TECHNICAL BID**

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone No:- Mobile No:- Email Id:-	
Name and address of service centre nearby Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate).	
PAN No. (enclose the attested copy of PAN Card).	
GST IN (enclose the attested copy of GST Registration Certificate).	
Please provide full list of consumables.	
Any other information, if necessary.	

Authorized signatory of the bidder with seal.

**Annexure-III****Format for Affidavit of Self Certification regarding Local Content in a Medical Devices to be purchase on Rs. 100/- Stamp Paper.**

I \_\_\_\_\_ S/o, D/o, W/o \_\_\_\_\_ Resident  
of \_\_\_\_\_ do

hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:

That the information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated by the Department of Pharmaceuticals. Government of India for the purpose of assessing the local content.

That the local content for all inputs which constitute the said medical device has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms based on the assessment of an authority so nominated by the Department of Pharmaceutical. Government of India for the purpose of assessing the local content, action will be taken against me as per Oder No. P-45021/2/2017-B.E-II dated 15.06.2017 and Guidelines issued vide letter no. 31026/36/2016- MD dated – 18.05.2018.

I agree to maintain the following information in the company's record for a period of 8 years and shall make this available for verification to any statutory authority.

- i. Name and details of the Domestic Manufacturer (Registered Office, Manufacturing unit location, nature of legal entity).
- ii. Date on which this certificate is issued.
- iii. Medical devices for which the certificate is produced
- iv. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed
- vi. Name and contact details of the unit of the manufacturer
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi. List and total cost value of inputs used for manufacture of the medical device.
- xii. List and total cost of inputs which are domestically sourced Value addition certificates from suppliers. If the input is not in use attached.
- xiii. List and cost of inputs which are imported, directly or indirectly.

**For and on behalf of**

**(Name of firm/entity)**  
Authorized signatory

**Annexure-IV****MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM**

To

The Deputy Director (Admin),  
All India Institute of Medical Sciences, Jodhpur

Sir,

TENDER: \_\_\_\_\_.

we, \_\_\_\_\_, who are  
established and reputable manufacturers of \_\_\_\_\_, having factories at  
\_\_\_\_\_ and \_\_\_\_\_, hereby authorize Messrs.

\_\_\_\_\_ (name and address of agents)

to bid, negotiate and conclude the contract with you against Tender  
No. \_\_\_\_\_ for the above goods manufactured by us. No  
company or firm or individual other than Messrs. \_\_\_\_\_ are authorized to bid,  
negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for  
supply against this tender by the above firm.

The authorization is valid up to \_\_\_\_\_

Yours faithfully,

For and on behalf of Messrs. \_\_\_\_\_  
(Name of manufacturers) Principal

**Annexure-V****TENDER ACCEPTANCE CERTIFICATE**

1. I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' form the website(s) namely: - Tender for CCTV Camera Solution at AIIMS Jodhpur.
2. I/We hereby certify that I/we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.) which form part of the contract agreement and I/we shall abide hereby the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your Institute too have all been taken into consideration, while submitting this acceptance letter.

Date: Name :

Place: Business Address :

Signature of Bidder :

Seal of the Bidder :