

**INVITATION OF BIDS FOR “INSTALLATION OF CCTV CAMERAS
AT ARMY PUBLIC SCHOOL JALANDHAR CANTT”**

RFP NO: 101/QUOTATION/APS/CCTV DATED 06 Oct 2020

1. Bid in sealed cover is invited for supply of items listed in Part II of this RFP. Please super scribe the above mentioned title, RFP number and date of opening of the Bids on the sealed cover to avoid the Bid being declared invalid.

2. The address and contact numbers for sending Bids or seeking clarifications regarding this RFP are given below -

- (a) Bids/queries to be address to: Principal, Army Public School, Jalandhar Cantt
- (b) Postal address for sending the Bids: Army Public School, MH Road,
Jalandhar Cannt- 144005
- (c) Name/designation of the contact personnel: Dr Saksham Singh, Principal
- (d) Telephone numbers of the contact personnel: 0181-2630776, 2630877
- (e) E-mail ids of contact personnel: apsjaladharcantt@gmail.com

3. **Last date and time for Deposition the Bids.** Two separate sealed envelopes consisting of technical and commercial bid should be deposited/reach by the due on **12 October 2020** and time 1000hrs and the responsibility to ensure this lies with the Bidder.

4. **Manner of Depositing the Bids.** **Two Sealed Bids in original** should be either handed over in person or sent by registered post at the address given below so as to reach by due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non delivery/non receipt of Bid documents. Bids sent by Fax or e-mail will not be considered.

**Principal
Army Public School
Jalandhar Cantt**

5. **Time and Date for Opening of Technical Bids.** Date of opening of bids is **13 October 2020** at 1000hrs. If due to any exigency, the due date for the opening of the Bids is declared a closed holiday, the Bid will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer.

6. **Two Bid system.**

- (a) The Technical Bids shall be opened on **13 October 2020** and a Technical Evaluation Committee(TEC) will evaluate and recommend the technical compliance of each bid as per the required technical Qualitative and quantitative requirement.

(b) The commercial Bids of only those Bidders whose technical bids meet all the stipulated (Technical) requirements shall be opened.

7. **Clarifications Regarding Contents of the RFP.** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 05 (Five) days prior to the date of opening of the Bids. Copies of the query and clarifications by the purchaser will be sent to all prospective bidders who have received the bidding documents.

8. **Unwillingness to Quote.** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of the opening of the Bid, failing which the defaulter bidder may be delisted for the given range of items as mentioned in this RFP for all further procurements.

9. **Validity of Bids.** The Bids should remain valid till **180 days** from the last date of submission of the bids.

10. **Earnest Money Deposit.** NA

11. **Schedule of Requirements.** List of items /services required is as follow:-

Ser No	Item	A/U	Qty	Remarks
(a)	IP 2MP Dome Camera (Built in Microphone)	Nos	56	
(b)	IP 2MP Bullet Camera Metal (Audio Optional)	Nos	4	
(c)	NVR 4K 36 Channel with 3+1 E-Sata (15 x Digital Zoom)	Nos	2	
(d)	4 TB Hard drive surveillance grade purple	Nos	2	
(e)	24 Port gigabyte Ethernet switch with power supply to support PoE camera	Nos	5	
(f)	8 Port Gigabyte Ethernet switch with power supply to support PoE camera	Nos	3	
(g)	Weather proof enclosure box with water logging rubber (5*5)	Nos	60	
(h)	24+4 Port Smart Managed Giga Switch L2	Nos	1	
(j)	Cat 6 Cable drum 305 Mtr	Nos	14	
(k)	48 U Rack Floor standing	Nos	1	
(l)	4U Rack loaded	Nos	5	
(m)	NVR 16 Channel 5 MP supported	Nos	7	
(n)	PC VMS Client Software with lifetime license	Nos	5	
(o)	Installation with pipe fitting (layout of Cat 6, RJ 45 Pipe, Band, Junction T, Sheedal Camera Numbering chart (Frull) All other required accessories as per satisfaction of Project Engineer)	Job Work	60	
(p)	<u>AMC</u> of the eqpt covered Ser No (11a) to (11h) and Ser No (11m) (AMC will not be exceeded more than 7%)			
(i)	1 st year @ ___ %			
(ii)	2 nd year @ ___ %			
(iii)	3 rd year @ ___ %			
(iv)	4 th year @ ___ %			

12. **Technical details** The Technical Bid Format is as given at **Appendix 'A'**. Bidders are required to fill this up correctly with full details

13. **Delivery Period.**

- (a) Delivery period for supply of items would be maximum of **21 Days** from the effective date of contract.
- (b) Installation of all equipment as per satisfaction of buyer.
- (c) Installation and Acceptance Testing Procedure (ATP) would be 30 Days after delivery of Items.

14. **Terms of Delivery and Installation.** All the items will be delivered at **Army Public School, Jalandhar Cantt** on challan/invoice subject to acceptance by inspection committee.

15. **Consignee Details.** Principal, Army Public School Jalandhar Cantt.

16. **Payment Documents.** 100% payment on delivery, installation and acceptance by the user under following condition:-

- (a) Delivery of Items as per supply order.
- (b) Installation all equipment as per satisfaction of buyer.
- (c) Acceptance Testing Procedure (ATP) as per technical specification

17. **Advance Payments.** No advance payment (s) will be made.

18. **Paying Authority.** The payment of bills will be made on submission of the following documents by the Seller to the purchaser along with the bills and after completion of ATP and submission of Satisfactory Performance Certificate (SPC).

- (i) Ink signed copy of Commercial invoice / Seller's bill.
- (ii) Inspection note.
- (iii) Guarantee/ Warranty certificate.
- (iv) User Acceptance.
- (v) Delivery Challan.

19. **Earliest Acceptable Year of Manufacture (2020):** Latest Quality /Life certificate will need to be enclosed with the Bill.

20. **Inspection Authority.** The inspection will be carried out by Bd of Officers. The mode of inspection will be Departmental Inspection.

21. **Warranty: - 01 Years (12 Months)** from the date of acceptance of the said good store/articles from the Seller.

22. **Annual Maintenance Contract (AMC).** After expiry of warranty, seller must offer desired AMC approved for a period of four years as per the terms of Supply Order. The AMC will be initiated by the buyer if so desired. The seller must intimate the cost of AMC in a percentage at serial 18 of the commercial bid format **Appx B**. It may be noted that the **L1** will be decided on the basis of base price of equipment/ accessories of project and AMC cost. AMC payment will be post the completion of AMC duration at yearly basis based on Satisfactory Performance Certificate by buyer. The following AMC clause will form part of the contract placed on successful Bidder:-

- (a) The Seller would provide comprehensive AMC for a period of 04 (Four) years for the entire system.

(b) The AMC services should cover the repair and maintenance of all the above mentioned equipment and systems purchased under the present Contract. The Buyer Furnished Equipment which is not covered under the purview of the AMC should be separately listed by the Seller. The AMC services would be provided in two distinct ways:-

(i) **Preventive Maintenance Service.** The Seller will provide a minimum of four Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/ tuning as may be required.

(ii) **Breakdown maintenance Service.** In case of any breakdown of the equipment/system, on receiving a call from the Buyer, the Seller is to provide maintenance service to make the equipment/system serviceable.

(c) **Response time.** The response time of the Seller should not exceed six hours from the time the breakdown intimation is provided by the Buyer.

(d) Serviceability of 99.9% per year is to be ensured. This amounts to total maximum downtime of one days per year. Also unserviceability should not exceed One day at one time. Required spares to attain this serviceability may be stored at site by the Seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime, LD would be applicable for the delayed period.

(e) Maximum repair turnaround time for equipment/system would be One day. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system.

(f) Technical Documentation: All necessary changes in the documentation (Technical and Operators manual) for changes carried out on hardware and software of the equipment will be provided.

(g) During the AMC period, the Seller shall carry out all necessary servicing/repairs to the equipment/system under AMC at the current location of the equipment/system. Prior permission of the Buyer would be required in case certain components/sub systems are to be shifted out of location. On such occasions, before taking over the goods or components, the Seller will give suitable bank guarantee to the Buyer to cover the estimated current value of item being taken.

(h) The Buyer reserves its right to terminate the maintenance contract at anytime without assigning any reason after giving a notice of 01 (One) month. The Seller will not be entitled to claim any compensation against such termination. However, while terminating the contract, if any payment is due to the Seller for maintenance services already performed in terms of the contract, the same would be paid to it as per the contract terms.

(j) The vendor after expiry of the warranty of one year will undertake comprehensive AMC (i.e. spare and labour cost) for four years for the terminal equipment as per the annual charges fixed during the PNC or otherwise. However, the decision to undertake AMC will be at the discretion of buyer. The terms and conditions of comprehensive AMC would cover the followings: -

(i) Vendor shall be duty bound to provide AMC cover for the period (04) four years as specified in the supply order if so desired by the user.

(ii) The agreement for AMC will be signed with the appropriate authority one month prior to the expiry of the warranty period.

(iii) Other terms and conditions governing AMC would be examined and finalized at the time of conclusion of AMC. Bids not indicating AMC charges will be rejected.

23. **Price Bid Format.** The Price Bid Format is as given at **Appendix 'B'**. Bidders are required to fill this up correctly with full details.

24. **Option Clause and Repeat Order Clause.**

(a) **Option Clause.** Under this clause, the Purchaser retains the right to place orders for additional quantity up to a maximum of 50% of the originally contracted quantity at the same rate and terms of the contract. For all/ selected items of supply, such an option is available during the original period of contract provided this clause had been incorporated in the original contract with the supplier. Option quantity during extended DP is to be limited to 50% of balance quantity after original Delivery Period. This clause may be exercised in case of procurement from single vendor/ OEM also subject to there being no downward trend in prices. However, in multi vendor contracts, great care should be exercised before operating the option clause.

(b) **Conditions Governing Option Clause.** Against an outstanding indent for which acceptance of necessity has been approved by CFA, it may be advantageous to the Purchaser to exercise the option clause in accordance with the terms and conditions of contract. The option clause may be exercised on approval of the CFA, within whose powers total value of original supplies plus value of the option clause falls, in consultation with IFA, where applicable as per the delegation of financial powers, during currency of the contract. It should be ensured that there is no downward trend in the market prices. No fruitful result will accrue by floating fresh RFP when items are urgently required. If the contract also contains the repeat order clause, it may be kept in mind while placing order under the option clause that the total quantity under the option clause and the repeat order cannot exceed fifty percent of the originally ordered quantity.

(c) **Repeat Order.** Wherever considered necessary, provision may be made in the RFP and the contract for Repeat Order. A Repeat order against a previous order may be placed at the same cost and terms and conditions as per the original order/ contract with the approval by the CFA and concurrence of integrated finance, wherever required as per the delegation of financial powers.

(d) **Conditions Governing Repeat Order.** A Repeat Order may be placed subject to the following:-

(i) Items ordered against the previous order had been delivered successfully.

(ii) Original order should not have been placed to cover urgent/ emergent demand.

(iii) Repeat Order is not placed to split the requirement to avoid obtaining the sanction of the next higher CFA.

(iv) The original order should have been placed on the basis of lowest price negotiated and accepted by CNC, and not on the basis of delivery or any other preference.

(v) There is no downward trend in the price of the item. (A clear certificate should be recorded to that effect).

(vi) The requirement is for stores of identical nature/ specifications, nomenclature etc. Minor improvement in spec(s) or phasing out of products due to obsolescence should not be precluded from the purview of repeat order but this aspect should be very carefully examined from the point of view of interchangeability of the product offered as an improved substitute.

(vii) The repeat order is to be placed within **six months** from the date of completion of the supply against the previous order and it should be placed only once.

(viii) The repeat order quantity is to be restricted to a maximum of 50% of last order quantity in case of indigenous and foreign procurement, where the contract does not also include the option clause. In case of orders for small quantities (1 to 7), the Repeat Order quantity may be rounded off to the next whole number.

(ix) This provision may be exercised in case of PAC/ Single vendor OEM also. However, care should be taken before exercising this provision in multi-vendor situation.

(x) Where the contract also includes an Option clause, Repeat Order may be placed only for such quantity, which, along with the quantity for which Option clause may have already been exercised, does not result in the total quantity under the Option clause and the Repeat Order exceeding 50% of the originally ordered quantity.

(xi) The CFA will be decided taking into consideration the value of the originally ordered quantity and the Option clause/ Repeat Order quantity.

Enclosure: (As above)

Appx 'A'

(Refers to Para 12 of Tender
Enquiry No 101/Quotation/APS/CCTV
dt 06 Oct 2020)

**TECHNICAL BID: MATRIX CHART FOR "INSTALLATION OF CCTV CAMERAS
AT ARMY PUBLIC SCHOOL JALANDHAR CANTT"**

S No	Technical Operational Requirement Specification	Specification Offered	Deviation
1.	<u>IP 2MP DOME Camera</u>		
(a)	High-performance 3D digital noise reduction and edge enhancement, using ROI video compression technology, high compression ratio		
(b)	Support APP P2P for mobile phone or computer monitoring		
(c)	Power Input : POE 48V Standard/ DC 12V		
(d)	Built-in microphone(64Kbps)(G.711)		
(e)	Compression: H.265		
(f)	Supports automatic electronic shutter function to adapt to different monitoring environments		
(g)	Smart analysis: Target Count, Object Left /Lost, Area Detection, Line Crossing. ICR infrared filter for automatic switching from Day to Night mode and vice versa.		
(h)	1/2.9" SC2232 CMOS Sony sensor (4mm lens)		
(j)	2MP: 1920 x 1080(20fps) High Defination		
(k)	2 x IR Array , 20 Meters		
(l)	Support WDR		
(m)	Onvif, CE, FCC,RoHS,Make in India (registered on GeM)		
(n)	Support 8 users		
(o)	Compliance of model no. on OEM Letter pad by oem (ink signed & stamped)		
2.	<u>IP 2MP Bullet Camera</u>		
(a)	High-performance 3D digital noise reduction and edge enhancement, using ROI video compression technology, high compression ratio		
(b)	Support APP P2P for mobile phone or computer monitoring		
(c)	Power Input : POE 48V Standard/ DC 12V		
(d)	Analog Audio In (64Kbps)(G.711)		
(e)	Compression: H.265		
(f)	Supports automatic electronic shutter function to adapt to different monitoring environments		
(g)	Smart analysis: Target Count, Object Left /Lost, Area Detection, Line Crossing. ICR infrared filter for automatic switching from Day to Night mode and vice versa.		
(h)	1/2.9" SC2232 CMOS Sony sensor (4mm lens)		
(j)	2MP: 1920 x 1080(20fps) High Defination		
(k)	18 SMD LED , 30 Meters		
(l)	Support WDR ,Metal (IP66),Vandal Proff		
(m)	Onvif,CE,FCC,RoHS,Make in India (registered on GeM)		
(n)	Support 3 user max		

S No	Technical Operational Requirement Specification	Specification Offered	Deviation
	(o) Compliance of model no. on OEM Letter pad by oem (ink signed & stamped)		
3.	<u>NVR 4K 36 CH 3+1 E-Sata</u>		
	(a) Support for H.265+/H.265/H.264 encoding format streaming access and decoding output.		
	(b) No need intelligent analysis support of IPC, NVR support local 8ch intelligent analysis: Target Count, Object Left/Lost, Area Detection, Line Crossing		
	(c) Support ONVIF protocol, support High profile S, High profile G, compatible with different IP camera that based on ONVIF, RTSP standard.		
	(d) Adopt HDD sequence writing method and the data is written from 0 track which increase 2.5X lifetime of the HDD.		
	(e) The mouse roller can realize 15X digital zooming which the enlarged image can be dragged and moved randomly Under preview and playback modes.		
	(f) Support IPC centralized management, including IPC parameter configuration, information import/output, two-way audio, upgrade, etc.		
	(g) Support motion detection data filler when do playback. support video summary playback.		
	(h) smart search, playback and backup.		
	(j) Compression : H.264/H.265/H.265+ (216Mbps)		
	(k) Video in : 36CH network compressed video input (compatible with 4K with 4K resolution)		
	(l) 1CH HDMI; Resolution: 3840x2160/60Hz,1920x1080/60Hz,1CH VGA; Resolution: 3840x2160/60Hz,1920x1080/60Hz		
	(m) Video Resolution : 4K/5M/3M/1080P/720P		
	(n) Manual recording, video recording, event recording,Playback Mode moving detection, alarm recording, dynamic test or alarm recording, dynamic test		
	(o) ONVIF (support version 2.4), IPv4, UPnP (plug and play), NTP (network time), SADP (automatic search IP address), PPPoE (dial-up Internet), DHCP (automatic access to IP addresses), etc.		
	(p) 1*RJ45 10M/100M/1000M self-adaptive LAN port		
	(q) Support, Android/Iphone/Windows Pc		
	(r) SATA : 3 SATA(10 tb each) + 1 E-SATAT		
	(s) Compliance of model no. on OEM Letter pad by oem (ink signed & stamped)		
4	<u>4 TB Hard drive surveillance grade purple</u>		
	(a) Purple		
	(b) 3.5 inches		
	(c) 1 Inches		
	(d) 4 Inches		
	(e) 3.5 Inches		
	(f) 14.73 x 10.16 x 2.54 cm; 725.75 Grams		
	(g) WD40PURZ		

S No	Technical Operational Requirement Specification	Specification Offered	Deviation
	(h) 4 GB		
	(j) DDR3 SDRAM		
	(k) 4 TB		
	(l) Serial ATA		
	(m) 5400 RPM		
	(n) 5 Watts		
	(o) PC		
	(p) No		
	(q) Internal Hard Drive		
	(r) 726 g		
	(s) Compliance of model no. on OEM Letter pad by oem (ink signed & stamped)		
5.	<u>24 Port gigabyte Ethernet switch with power supply to support POE camera</u>		
	(a) 24 x 10/100/1000Mbps RJ-45 Nway ports		
	(b) Supports Auto-Negotiation & Non-Blocking Wire Speed		
	(c) Supports High-Speed Networking and Jumbo Frames		
	(d) Supports Store and Forward Architecture		
	(e) Supports Auto MDI/MDI-X Crossover		
	(f) Internal Universal Power Supply		
	(g) 19" rack-mount size		
	(h) Energy Efficient • Fan-less Design		
	(j) IEEE802.3x Full-duplex flow control		
	(k) IEEE/ANSI 802.3 Nway auto-negotiation		
	(l) Plug and Play installation		
	(m) Switching Capacity: 48Gbps Backplane		
	(n) Supply For Poe Cameras 12v 40amp Single Box Attached		
	(o) Forwarding mode: Store-and-forward ,Buffer memory: 448 KB ,MAC Address database: 16K , Jumbo Frames: 9KB ,Switching Capacity: 48Gbps		
	(p) IEEE 802.3 10BASE-T Ethernet ,IEEE 802.3u 100BASE-TX Fast Ethernet , IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3az Energy Efficient Ethernet , IEEE 802.3x Full-duplex flow control		
6.	<u>8 Port Gigabyte Ethernet switch with power supply to support POE camera</u>		
	(a) Each port supports full duplex 10/100/1000M connectivity (half duplex only supported in 10/100M mode)		
	(b) Supports 8K-entry MAC address table		
	(c) Auto-MDI/MDIX eliminates the need for crossover cables		
	(d) Supports MAC address auto-learning and auto-aging		
	(e) Auto-negotiation ports provide smart integration between 10Mbps, 100Mbps and 1000Mbps hardware		
	(f) Fanless design ensures noise-free operation		
	(g) Desktop design		
	(h) Plug and Play design simplifies installation		
	(j) Supply For Poe Cameras 12v 40 amp Single Box Attached		

S No	<u>Technical Operational Requirement Specification</u>	Specification Offered	Deviation
7.	<p>24+4 Port Smart Managed Giga Switch L2</p> <p>(a) 24 X 10/100/1000Base-Tx + Gigabit 4 SFP Ports</p> <p>(b) STP / RSTP / MSTP</p> <p>(c) Loop detection</p> <p>(d) IGMP Snooping</p> <p>(e) SNMP</p> <p>(f) Quality of Service (QoS)</p> <p>(g) Performance • Switching Capability: 56Gbps • MAC Address Table: 8K • Memory Per Unit: 2.4MB • Jumbo Frame: 10K</p> <p>(h) Management • Port Mirroring • Support traffic statistics • Provide IPv4 Web-based management • Configuration Backup and Recovery • Management VLAN • SNMP v1/v2c/v3 • Telnet, SSH, HTTPS</p> <p>(j) QoS Features • Queueing Mechanism: SP and WRR • Classifications based on - COS - COS DSCP - IP Precedence • Each port supports 8 queues • LLDP • Rate Limit (Port Based) • Flow Control</p>		
	<p>(k) L2 Features • Auto-negotiation for port speed and duplex mode • Spanning Tree Protocol - Support STP / RSTP / MSTP (max 16 instance) - Loopback Detection - BPDU Filter - BPDU Guard • IGMP v1/v2/v3 Snooping: IGMP Querier IGMP Proxy MVR • VLANs - 256 IEEE 802.1q tag based VLAN with 4Kvlan ID - Port Isolation (Multi-to-one) - Port Based VLAN - MAC Based VLAN - Voice VLAN - Guest VLAN • Link Aggregation - LACP: 8 Groups, 8 Ports/Group - Static Trunk</p>		
8.	<p>UTP Cat 6 cable</p> <p>(a) For Data Centre Applications</p> <p>(b) High bandwidth upto 600 MHz</p> <p>(c) 4 Pair 23 AWG</p> <p>(d) Available in LSZH jacket</p> <p>(e) High speed transmission of Voice, Video and Data on LAN</p> <p>(f) Complies to ANSI/TIA-568-C.2</p>		
9.	<p>48U Network Enclosure Frame-600X1000-STEEL</p> <p>(a) Casters Set of 4</p> <p>(b) Adjustable Levellers set of 4</p> <p>(c) Glass Door 48U 600</p> <p>(d) Hexagonal Perforated Door-48-600</p> <p>(e) Side Panels-1000-48U-Vented (Set of 2)</p> <p>(f) Mounting Hardware-(Pack of 20)</p> <p>(g) 1U Canitlever tray for Modem</p> <p>(h) 19"Earthing Kit Rackmountable</p> <p>(j) FHU with 4 FAN 360CFM</p> <p>(k) Power Distribution Unit - Two Number dual input Vertically Mounted 230 Volt PDU, 32AMPs with 25 power outputs with 25 (20 nos. Power outs of IEC 320 C13 Sockets & 5 nos. Power outs of 5/15 amps Sockets), Electronically controlled circuits for Surge & spike protection, LED readout for the total current being drawn from the channel , 32 amps MCB, 6 KVA isolated input to Ground & Output to ground (2 No. per Rack). Each rack power consumption is estimated to be 5 KVA.</p>		

S No	Technical Operational Requirement Specification	Specification Offered	Deviation
	(l) Vertical Cable Manager 1Ux42U		
	(m) Horz. Cable Manager-1U-Loop		
10.	4U Network Enclosure Rack loaded		
	(a) Construction : Welded Frame		
	(b) Front Door : Front Glass Door with Lock		
	(c) Mount Size : 4U x 500 W x 400 D Basic		
	(d) Frame : Steel		
	(e) Color : Grey		
	(f) Static Load : 20 Kgs		
	(g) Rails : 2 pairs of 19 inch Mounting Rails		
	(h) tray, pdu, fan, cabel manager		
11.	Weather proof enclosure box with water logging rubber (5*5)		
	(a) IP 65		
	(b) Made in India		
	(c) Metal threads		
	(d) Premium grade ABS		
	(e) 5 kg weight load bearing		

Company seal

(Authorised Signatory of Company)

Dated: 2020

Appendix 'B'

(Refers to Para 23 of Tender
Enquiry No 101/Quotation/APS/CCTV
dt 06 Oct 2020)

**PRICE BID FOR "INSTALLATION OF CCTV CAMERAS
AT ARMY PUBLIC SCHOOL JALANDHAR CANTT"**

Ser No	Name of Items	A/U	Qty	Unit cost	Total cost
1	IP 2MP Dome Camera (Built in Microphone)	Nos	56		
2	IP 2MP Bullet Camera Metal (Audio Optional)	Nos	4		
3	NVR 4K 36 Channel with 3+1 E-Sata (15 x Digital Zoom)	Nos	2		
4	4 TB Hard drive surveillance grade purple	Nos	2		
5	24 Port gigabyte Ethernet switch with power supply to support PoE camera	Nos	5		
6	8 Port Gigabyte Ethernet switch with power supply to support PoE camera	Nos	3		
7	Weather proof enclosure box with water logging rubber (5*5)	Nos	60		
8	24+4 Port Smart Managed Giga Switch L2	Nos	1		
9	Cat 6 Cable drum 305 Mtr	Nos	14		
10	48 U Rack Floor standing	Nos	1		
11	4U Rack loaded	Nos	5		
12	NVR 16 Channel 5 MP supported	Nos	7		
13	PC VMS Client Software (Lifetime licenses and frequent OEM update)	Nos	5		
14	Installation with pipe fitting (layout of Cat 6, RJ 45 Pipe, Band, Junction T, Sheedal Camera Numbering chart (Frull) All other required accessories as per satisfaction of Project Engineer)	Job Work	60		
15	Basic Cost of Project				
16	GST				
17	Total Cost of Project				
18	AMC of the eqpt covered Ser No 01 to 08 and Ser No 12 (AMC will not be exceeded more than 7%) incl comprehensive repair/ replacement by OEM/supplier				
(a)	1 st year @ ____ %				
(b)	2 nd year @ ____ %				
(c)	3 rd year @ ____ %				
(d)	4 th year @ ____ %				

Note :- AMC percentage will be considered for selection of L1. The cost of AMC will not form part of the project payment and payment of AMC will be done as per para 22 of tender. The AMC costs, is contracted on yearly basis at the discretion of the buyer, which will be paid after completion of AMC period on yearly basis based on Satisfactory Performance Certificate. Under no circumstances, AMC cost will exceed the cost as per percentage at para 18 above.