

SAINIK SCHOOL REWARI

Rewari -123401 (Haryana)

INVITATION OF BIDS FOR SUPPLY & INSTALLATION OF “CCTV CAMERAS WITH ACCESSORIES AND SOFTWARE”

1. Principal, Sainik School, Rewari (hereafter referred as the Buyer), invites bids for supply & installation of “CCTV cameras with accessories and software” as listed in Part II of this RC/ Tender Document. Please super scribe the above mentioned Title, RC/ Tender Document number and date of opening of the Bids on the sealed cover (in case of applications by post/ courier) to avoid the Bid being declared invalid.

2. The address and contact numbers for sending Bids or seeking clarifications regarding this RC/ Tender Document are given below -

- (a) Bids/queries to be addressed to: **Principal**
- (b) Postal address for sending the Bids: **Sainik School Rewari,
Sector -4
Rewari-123401 (Haryana)**
- (c) Name/designation of the contact personnel: **Administrative Officer, Sainik School
Rewari**
- (d) Telephone numbers of the contact personnel: **01274-260850**
- (e) E-mail ids of contact personnel: **sainikschoolrewari@gmail.com**
- (f) Fax number: 01274-260850

3. This RC/ Tender Document is divided into five Parts as follows:

- (a) Part I – Contains General Information and Instructions for the Bidders about the RC/ Tender Document such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
- (b) Part II – Contains essential details of the items/services required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
- (c) Part III – Contains Standard Conditions of RC/ Tender Document, which will form part of the Contract with the successful Bidder.
- (d) Part IV – Contains Special Conditions applicable to this RC/ Tender Document and which will also form part of the contract with the successful Bidder.
- (e) Part V – Contains Evaluation Criteria and Format for Price Bids.

4. This RC/ Tender Document is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RC/ Tender Document, should it become necessary at any stage.

PART I – GENERAL INFORMATION

1. **Last date and Time for Depositing the Bids:** 1300 hrs on 25 Mar 2019. The Bid is deposited/reach by the due date and time. The responsibility to ensure this lies with the Bidder.
2. **Manner of Depositing the Bids:** Bids can be sent by means of Sealed Bids which is either dropped in the Tender Box or sent by registered post at the address given above so as to reach by the 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.
3. **Time and Date for Opening of Technical Bid:** 1500 hrs on 25 Mar 2019
(If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer).
4. **Location of the Tender Box:** Office of the Adm Offr,
Sainik School Rewari, Sector -4
Distt - Rewari, PIN - 123401(Haryana)
5. **Place of Opening of the Bids:** Conference Hall,
Sainik School Rewari, Sector -4
Distt - Rewari, PIN - 123401(Haryana)
6. The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time.
7. **Forwarding of Bids:** Bids is forwarded by Bidders under their original memo / letter pad inter alia furnishing all details mentioned in **Appendix 'A'**.
8. **Clarification Regarding Contents of the RC/ Tender Document:** 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 3 (three) days prior to the date of opening of the Bids. Copies of the query and clarification by the Buyer will be sent to all prospective bidders who have received the bidding documents.
9. **Modification and Withdrawal of Bids:** No bid shall be modified after submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.
10. **Clarification regarding contents of the Bids:** During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.
11. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional tenders will be rejected.
12. **Unwillingness to Quote:** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RC/ Tender Document.
13. **Validity of Bids:** The Bids should remain valid till **30 Apr 2019** from the last date of submission of the Bids.
14. **Cost of Tender Form:** Tender Paper can be purchased from the School office on cash payment of Rs. **1000/- (non-refundable)** each on any working day between 0830 & 1330 hrs (EXCEPT ON SUNDAYS & HOLIDAYS) from **25 Feb 2019 to 25 Mar 2019** and submit along with all relevant documents

15. **Period of Contract:** Period of Contract will be w.e.f **01 May 2019 to 30 Apr 2021.**
16. **Filling of Tender Documents:** Filling of all the relevant points of tender documents is mandatory by the tenderer. All the pages of tender documents must be signed by the tenderer. Anything missing on the document part will be treated as cancel of complete tender document. Tenderer will not have any right to claim on the subject issue.
17. **Credential of Tenderer:** Tenderer is supposed to submit the all relevant credential document along with the tender form.
18. **Earnest Money Deposit:** An amount of **Rs 20000/-** is to be deposited as EMD (**DD only**) along with tender document in favour of Principal Sainik School Rewari, payable at PNB, Sainik School Rewari Branch (Code-PUNB0468100) which will be further adjustable with performance guarantee for L-1 contractor and for others, it is refundable.
19. **Pre Bid Meeting:** A pre bid meeting will be held on **20 Mar 2019** at **1100 hrs** in **Conference Hall** for all interested bidders for any further clarification/survey/sample collection etc regrading tender before submitting the tender.

PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED

1. **Schedule of Requirements:** Principal, Sainik School Rewari invites quotation from reputable firms for **Supply & Installation of CCTV Cameras with accessories and Software** as per the specification mentioned against each attached as **Appendix 'B'**, at Sainik School Rewari, PO – Rewari, Distt – Rewari PIN – 123401 (Haryana).
2. **Submission of Tender Documents:** Tenderers are to submit tender document in **TWO** different envelopes;
 - (i) **Technical Bid:** Tenderers are to submit main tender form along with all the relevant documents required for tender failing any one of the required document candidature will not be accepted and will be treated as cancelled. This envelope has to be clearly mentioned as **“Technical bid for Supply & Installation of CCTV Cameras with accessories and Software.”**
 - (ii) **Commercial Bid:** This envelope should contain only rate list as per brand/specification and EMD of tender as mentioned. Commercial bid will be opened for only those candidatures technically qualified and others will not be opened to avoid disclosure of rates. This envelope has to be clearly mentioned as **“Commercial bid for Supply & Installation of CCTV Cameras with accessories and Software.”** Proper rate will be mentioned and not MRP. **Appendix 'C'** refers.
3. **Work Schedule:** The services listed at Para would be undertaken **once every week** from the effective date of contract. Please note that Contract can be cancelled unilaterally by the Buyer or risk purchase initiated (refer para 9 of Part-IV of Tender document) in case items are not received within the contracted delivery period. Extension of contracted delivery period will be at the sole discretion of the Buyer. In addition to the stated equipment / work, additional number of cameras and other related items / accessories, wherever felt required during the course of execution may be added at the discretion of the executing authority. Also, in exceptional cases and exigencies of service, the Principal has right to amend the scope of work.
4. **Time of Supply of Stores:** Supply of Stores will be strictly between **0900hrs-1400hrs** along with delivery Challan / Invoice and Offloading of Stores is the responsibility of Contractor. No Supply will be accepted on **Sundays & Holidays**.
5. **Registration:** All vendors applying for **Supply & Installation of CCTV Cameras with accessories and Software** must have the registered service Centre or minimum three-four authorized dealership and to submit the relevant documents along with tender paper.
6. **Consignee details:**
Principal
Sainik School Rewari,
Sector 4
Distt – Rewari,
PIN – 123401 (Haryana)

PART III – STANDARD CONDITIONS OF RC/ TENDER DOCUMENT

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Vendor in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. **Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
2. **Effective Date of the Contract:** The contract shall come into effect on the date of signatures of both the parties on the contract (Effective Date) and shall remain valid until the completion of the obligations of the parties under the contract or **30 Apr 2020**, which ever expires earlier. The deliveries and supplies and performance of the services shall commence from the effective date of the contract.
3. **Arbitration:** All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to construction or performance, which cannot be settled amicably, may be resolved through arbitration in the Sub-Divisional Court of Rewari, Haryana, only.
4. **Penalty for use of Undue influence:** The Vendor undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or disfavor to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Vendor or any one employed by him or acting on his behalf (whether with or without the knowledge of the Vendor) or the commission of any offers by the Vendor or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Vendor and recover from the Vendor the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Vendor. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Vendor towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Vendor to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.
5. **Access to Books of Accounts:** In case it is found to the satisfaction of the Buyer that the Vendor has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Vendor, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/information.
6. **Non-disclosure of Contract Documents:** Except with the written consent of the Buyer/ Vendor, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party other than OEMs.
7. **Non-disclosure of Contract Documents:** Except with the written consent of the Buyer/ Vendor, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party other than OEMs.
8. **Termination of Contract by Buyer:** The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:-

- (a) The delivery of the material is delayed for causes not attributable to Force Majeure, continuously for more than **30 days**.
- (b) The Vendor is declared bankrupt or becomes insolvent.
- (c) The delivery of material is delayed due to causes of Force Majeure by more than **3 months** provided Force Majeure clause is included in contract.
- (d) The Buyer has noticed that the Vendor has utilised the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.
- (e) As per decision of the Arbitration Tribunal.

9. **Termination of Contract by Vendor:** The Vendor shall have the right to terminate this Contract in part or in full if not paid his due by the buyer for a period of 3 months.

10. **Notices:** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

11. **Transfer and Sub-letting:** The Vendor has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

12. **Amendments:** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

13. **Taxes and Duties**

(a) **General.**

(i) The price quoted by the Bidder is exclusive of all taxes and duties. GST will be applicable as per government norms.

(ii) If reimbursement of any Duty/Tax is intended as extra over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of such duty/tax will be entreated after the opening of tenders.

(iii) If a Bidder is exempted from payment of any duty/tax upto any value of supplies from them, he should clearly state that no such duty/tax will be charged by him up to the limit of exemption which he may have. If any concession is available in regard to rate/quantum of any Duty/tax, it is brought out clearly. Stipulations like, the said duty/tax was presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that such duty/tax will not be charged by him even if the same becomes applicable later on. In respect of the Bidders, who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of such duty/tax which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.

(iv) Any change in any duty/tax upward/downward as a result of any statutory variation in excise taking place within contract terms shall be allowed to the extent of actual quantum of such duty/tax paid by the supplier. Similarly, in case of downward revision in any duty/tax, the actual quantum of reduction of such duty/tax shall be reimbursed to the Buyer by the Vendor. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the Vendor.

PART IV – SPECIAL CONDITIONS OF RC/ TENDER DOCUMENT

1. The Bidder is required to give confirmation of their acceptance of Special Conditions of the RC/ Tender Document mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Vendor in the Contract) as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.
2. **Performance Security.** Before signing of the Rate Contract, the successful Bidder will be required to furnish a Performance Security by way of Demand Draft for a sum equivalent to 10% of the Total Contract value arrived at by multiplying the anticipated annual requirement with the price quoted by the Bidder (lowest quoted price).
3. **Parallel Rate Contract.** In case it is observed that a single supplier does not have enough capacity to cater to the entire demand of an item or where it is desirable to have a wider vendor base due to criticality of the items, it may become desirable to conclude parallel RCs with more than one firm. The Principal, based on the merit of each case, may decide the number of firms to be awarded RC for an item in order to have a wider choice.
4. The Buyer reserves the right to purchase the contracted goods through School Run Canteen (Canteen Stores Department), in case available, without entering into Parallel Rate Contract.
5. The Buyer as well as the supplier may withdraw the rate contract within 30 days of serving suitable notice to the other party.
6. The purchaser has the option to renegotiate the price with the rate contract holders.
7. In case of emergency, the purchaser may purchase the same item through adhoc contract with a new supplier.
8. The purchaser and the authorized users of the rate contract will be entitled to place supply orders up to the last day of the validity of the rate contract and, though supplies against such supply orders will be effected beyond the validity period of the rate contract, all such supplies will be guided by the terms and conditions of the rate contract.
9. **Risk & Expense clause.**
 - (a) Should the stores or any instalment thereof not be delivered within the time or times specified in the contract documents, or if defective delivery is made in respect of the stores or any instalment thereof, the Buyer shall after granting the Vendor **48 hrs** to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.
 - (b) Should the stores or any instalment thereof not be in accordance with the specifications / parameters agreed by the Vendor, the Buyer shall be at liberty, without prejudice to any other remedies for breach of contract, to cancel the contract wholly or to the extent of such default.
 - (c) In case of a material breach that was not remedied within **48 hrs**, the Buyer shall, having given the right of first refusal to the Vendor be at liberty to purchase or procure from any other source as he thinks fit, other stores of the same or similar description to make good:-
 - (i) Such default.
 - (ii) In the event of the contract being wholly determined the balance of the stores remaining to be delivered there under.

(d) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the Vendor. Such recoveries shall not exceed 10% of the value of the contract.”

10. **Force Majeure clause.**

(a) Neither party shall bear responsibility for the complete or partial non performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods under the provisions of the present contract), if the non-performance results from such Force Majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control that have arisen after the conclusion of the present contract.

(b) In such circumstances the time stipulated for the performance of an obligation under the present contract is extended correspondingly for the period of time of action of these circumstances and their consequences.

(c) The party for which it becomes impossible to meet obligations under this contract due to Force Majeure conditions, is to notify in written form the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from the moment of their beginning.

(d) Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be a sufficient proof of commencement and cessation of the above circumstances.

(e) If the impossibility of complete or partial performance of an obligation lasts for more than 6 (six) months, either party hereto reserves the right to terminate the contract totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

11. **Specification.** The following Specification clause will form part of the contract placed on successful Bidder - The Vendor guarantees to meet the specifications as per Part-II of RC/ Tender Document.

12. **Earliest Acceptable Year of Manufacture/ Production.** Unexpired goods not earlier than Jul 2018.

13. **Transportation.** Vendor will bear the costs and freight necessary to bring the goods to Sainik School Rewari.

14. **Packing and Marking.** The following Packing and Marking clause will form part of the contract placed on successful Bidder :-

(a) The Vendor shall provide packing and preservation of the goods contracted so as to ensure their safety against damage in the conditions of land, sea and air transportation, transshipment, storage and weather hazards during transportation, subject to proper cargo handling.

(b) The packing of the equipment and spares/goods shall conform to the requirements of specifications and standards in force.

15. **Quality.** The quality of the stores delivered according to the present Contract shall correspond to the conditions and standards valid for the deliveries of the same stores for in Vendor’s country or specifications enumerated as per RC/ Tender Document.

16. **Quality Assurance.** The item is of the latest manufacture, conforming to the current production standard and preferably having 100% defined life at the time of delivery.
17. **Inspection Authority.** The Inspection will be carried out by representative of Principal, Sainik School, Rewari at the Buyer's site at Vendor's cost. The mode of Inspection will be Departmental Inspection / User Inspection / Joint Inspection / Self-certification.
18. **Payment Terms.** Standard Payment terms, as indicated below, will be incorporated in the Rate Contracts:-
- (a) It is mandatory for the Bidders to indicate their bank account numbers with IFSC Code and other relevant payment details so that payments could be made through Bank Transfer / e-banking. The applicable bank charges will be borne by the vendor.
 - (b) 100 % against post inspection delivery at Sainik School Rewari.
 - (c) The vendor has to submit **two** copies of **Pre-receipted** (signature as received payment on bill with **Rs 1/- revenue stamp**) Invoice/bill.
 - (d) As far as possible, payment will be effected by the paying authority within 30 working days from the date of receipt of bill. Consolidated observations, if any is forwarded within 10 working days by paying authority to the CFA.
19. **Paying Authority.** Principal, Sainik School Rewari will be the paying authority.
20. The AMC services would be provided in two distinct ways:
- (a) **Preventive Maintenance Service:** The Vendor will provide a minimum of four Preventive Maintenance Service visits during each month to the operating base to carry out functional check-ups and minor adjustments/ tuning as may be required.
 - (b) **Breakdown Maintenance Service:** In case of any breakdown of the equipment/system, on receiving a call from the Buyer, the Vendor is to provide maintenance service to make the equipment/system serviceable.
21. **Response time.** The response time of the Vendor should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer.
22. During the AMC period, the Vendor 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 Vendor will give suitable bank guarantee, if asked for, to the Buyer to cover the estimated current value of item being taken.
23. While maintenance/Repair of NVR/DVR, no data loses will be accepted. Vendors will be charged for the data loses. The Software required for maintenance/ serviceability of the above system will be provided by the Vendor.
24. **Warranty.** Two year comprehensive onsite warranty.
25. **Delivery.** Within 30-45 days.

PART V – EVALUATION CRITERIA & PRICE BID ISSUES

1. **Evaluation Criteria.** The broad guidelines for evaluation of Bids will be as follows:-

- (a) A demand draft of BID Earnest money (EMD) amount **Rs 20000/- of value** in favour of Principal "Sainik School Rewari".
- (b) Money receipt of the Tender Paper purchased must be enclosed if purchased from School and a DD of 1000/- will be attached if downloaded from the School website.
- (c) Attested copy of GST registration (Regular category Registration is mandatory).
- (d) Copy of pan card.
- (e) Income tax return certificate of last three Assessment years (2015-16), (2016-17) and (2017-18) must be deposited by the firm.
- (f) A copy of GST returns from 01 July 2017 to 28 Dec 2018.
- (g) Affidavit for non-black listing
- (k) Bank statement showing turnover of recent year which proves financial solvency.
- (l) Experience certificate for the corresponding items. A copy of the same must be enclosed by the Firm.
- (m) Self-attested along with stamp at all pages of submitted document is mandatory.
- (n) Technical bid and Financial bid separately sealed in two different envelope and both the envelopes is deposited in one single sealed envelope. On qualifying in technical bid commercial bids will be opened.
- (o) Company authorization certificates for Sales/Services to be submitted by the tenderer.

2. **Price Bid Format.** Technical Bid details will be filled up by the bidder as per format placed as **Appendix 'B'**. Bidders are required to fill up the **Price Bid** format placed as **Appendix 'C'** correctly with full details.

FORM TO BE COMPLETED BY THE TENDERER FOR SUPPLY/SERVICE OF ARTICLES

TO SAINIK SCHOOL REWARI

1. Name of the Firm/Individual:
2. Address: Head Office/Registered Office :.....
3. Branches :.....
4. (a) PAN No..... (b) GST No
(c) AADHAR Card No:.....
5. Telephone/Telex No/Fax/Mobile No :.....
6. E-mail IDfor online supply order.
7. Is your firm registered under
 - (a) The Indian Companies Act 1918 :.....
The Companies Act 1956
 - (b) The Indian Partnership Act 1932 :.....
 - (c) The Indian Factories Act :.....
 - (d) Any other Act :.....
8. Name and Address of your bankers -..... stating
the name in which account stands **(A/c No. & IFSC code of the Bank)**.
9. Are you in the Central/State Govt. list of
approved contractors if so give details
10. Are you financially solvent :.....
11. Articles in which the applicant usually deals
and the length of the applicants experience in trade
12. DECLARATION

I/We.....
(Give Name of Partners/properties or share holders in case of Firm) do hereby declare that
the entries made in the application from are true to the best of my/our knowledge.

NOTES: All subsequent changes in the construction or working of firm, affecting the accuracy of the answers now given, should be promptly communicated to the school authority.

Signature of Firm/Vendor

SAINIK SCHOOL REWARI

1. Schedule of Requirements and Technical Details are as under:-

S.No	PARTICULARS	QTY REQ	Compliance to RFP specification whether Yes / No	In case of noncompliance, deviation from RFP to be specified in Unambiguous terms	
1.	64 CHANNEL /32 CHANNEL NVR (with 2-way Audio)	2 Nos.			
	IP Video Input				64 channels /32 Channel
	Input/output bandwidth				320 MBPS
	Two-way Audio Input				1 channel RCA
	Remote viewers				128
	HDMI				2
	VGA				1
	HDD				8 SATA interfaces , 1 eSATA interface
	Capacity				Up to 8TB for each HDD
	Compression				H.265/H.264
	Live view/Playback				12MP/8MP/6MP/5MP /4MP/3MP/1080P/96 0P/720P/D1/ 2CIF/CIF
	Network interface				2x RJ 45 1000M
	Serial interface				1xRS 232, 1xRS485
	USB interface				Front panel 2x USB 2.0, Rear Panel 1x USB 16/4
	Alarm I/O				100 3.0
	Power supply				-240V AC
	Power consumption				≤20W (without HDD)
Working environment	-10°C to 55°C				
Make	Uniview / Sony / Hi-focus / Panasonic/Hikvision or any other reputed brand				
2.	Soft NVR with PC (Mechanical Chassis Size 4.53"x4.37"x2.01"; 115mm x 111mm x 51 mm; Processor Intel®Core™i7-7567U (3.5 Ghz to 4.0 GHz Turbo; Dual Core 4 MB cache, 28W TDP); System Memory Two DDR4 SO-DIMM sockets (up to 32 GB 2133 MHz), 1.2V; Storage Capabilities Micro SDXC slot with UHS-I support on the side; One M.2 connector supporting 22x42 or 22x80 M.2 SSD; One SATA3 port for connection to 2.5" HDD or SSD (up to 9.5 mm thickness); Environment Operating Temperature 0°C to +40°C; Baseboard Power Requirements 19V, 65W wall-mount AC-DC power adapter) in the Principal's room & the Registrar's room for viewing of both NVRs output (Intel make)	2 Nos.			

Signature of Firm/Vendor

3.	Mike & Speaker to connect to one NVR for addressing Individual class rooms (Stranger / Ahuja / Studio master make)	1 No.			
4.	Paging Mike & Amplifier to connect to the PA system for addressing the Entire School (speakers will be placed outside the classrooms at strategic locations) (Stranger / Ahuja / Studio master make)	1 No.			
5.	PA Dual Sound Speakers (at 8 zones) IP-44 degree of dust and water protection 2 X 6 ½" Full range water resistant speakers facing opposite direction, 30W/100V 'U' type mounting bracket for easy & trouble free installation (Stranger / Ahuja / Studio master make)	16 Nos.			
6.	IR DOME VANDAL RESISTANT IP CAMERA (With two-way communication) with 15W Speakers and in-built Amplifier & Mike for classrooms (Facility to attach cordless mike) with following specification:-	As per requirement			
	Sensor				1/3, 4 megapixel, progressive scan CMOS
	Lens				3.6mm@F2.0, Angle of view(H): 72.0°
	Night Vision				Smart IR, up to 30 m (98 ft) IR distance
	Shutter				Auto/Manual, 1/6~1/30,000s
	Min. illumination				Colour: 0.02 Lux (F2.0 AGC ON), 0 Lux with IR
	Day/Night				IR-cut filter with auto switch (ICR)
	S/N				>52dB
	WDR (Wide Dynamic Range)				120 dB
	Max. Resolution				2592 x 1520
	Video Compression				H.265, H.264, MJPEG
	Frame rate				4MP (2592x1520): Max. 20 fps; 4MP (2560x1440): Max. 25 fps; 3MP (2048x1520): Max. 30 fps; 1080P (1920x1080): Max. 30 fps
	Video streaming				Triple
	9:16				Supported
	ROI (Region of Interest)				Supported
	OSD (On Screen Display)				Up to 8 OSDs
	Privacy Mask				Up to 4 areas
	Behaviour Detection	Intrusion, crossing line, motion detection			
	Exception Detection	Audio detection			

Signature of Firm/Vendor

	Intelligent Identification	Face detection		
	Statistical Analysis	People counting		
	Audio compression	G.711		
	Two-way audio	Supported		
	Edge Storage	Micro SD, up to 128 GB		
	Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SIP, 802.1x		
	Compatible integration	ONVIF, API		
	Audio I/O	Input: impedance 35kΩ; amplitude 2 V [p-p] Output: impedance 600 Ω; amplitude 2 V [p-p]		
	Alarm I/O	1/1		
	Network	10M/100M Base-TX Ethernet		
	Power	12 V DC or PoE (IEEE802.3 af), Power consumption: Max 5.5 W		
	Working Environment	-35°C~+60°C, Humidity ≤ 95% RH (non-condensing)		
	Vandal Resistant	IK10		
	Ingress Protection	IP66		
	Make	Uniview / Sony / Hi-focus / Panasonic/Hikvision/CP Plus or any other reputed brand		
7.	IR DOME IP CAMERA		As per requirement.	
	Sensor	1/3", 3 megapixel, progressive scan CMOS		
	Lens	3.6mm@F1.8, Angle of view(H): 76.7°		
	Night Vision	IR range up to 30 m (98 ft)		
	Shutter	Auto/Manual, 1/6~1/30,000s		
	Day/Night	IR-cut filter with auto switch (ICR)		
	AWB/Gain control	Auto/manual		
	WDR	Digital		
	Max. Resolution	2048x1536		
	Video Compression	H.265, H.264, MJPEG		
	Frame rate	3 MP (2048x1536): Max. 30 fps; 1080P (1920x1080): Max. 30 fps; 720P (1280x720): Max. 30 fps; D1 (720x576): Max. 25 fps		
	Video streaming	Triple		

Signature of Firm/Vendor

	9:16 Corridor mode	Supported		
	OSD	Up to 8 OSDs		
	Privacy Mask	Up to 4 areas		
	Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, ONVIF, QoS		
	Smart Features	Intrusion, crossing line, motion detection, Face detection, People counting		
	Network	10M/100M Base-TX Ethernet		
	Power	12 V DC or PoE (IEEE802.3 af), Power consumption: Max 3.5 W (5.5 W with IR on)		
	Working Environment	-35°C~+60°C, Humidity ≤ 90% RH (non-condensing)		
	Ingress Protection	IP66		
	Make	Uniview / Sony / Hi-focus / Panasonic/Hikvision/CP Plus or any other reputed brand		
	IR BULLET IP CAMERA			
	Sensor	1/2.8", 3 megapixel, progressive scan CMOS		
	Lens	3.6mm@F2.0, Angle of view(H): 85.0°		
	Night Vision	IR range up to 30 m (98 ft)		
	Shutter	Auto/Manual, 1/6~1/30,000s		
	Min. illumination	Colour: 0.02 Lux (F1.8 AGC ON), 0 Lux with IR		
	Day/Night	IR-cut filter with auto switch (ICR)		
8.	S/N	>52dB	As per requirement.	
	WDR	Digital		
	Max. Resolution	2048x1536		
	Video Compression	H.265, H.264, MJPEG		
	Frame rate	3 MP (2048x1536): Max. 30 fps; 1080P (1920x1080): Max. 30 fps; 720P (1280x720): Max. 30 fps; D1 (720x576): Max. 25 fps		
	Video streaming	Triple		
	9:16 Corridor mode	Supported		
	ROI	Supported		
	OSD	Up to 8 OSDs		
	Privacy Mask	Up to 4 areas		

Signature of Firm/Vendor

	<table border="1"> <tr> <td>Protocols</td> <td>L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SNMP, SIP, QoS</td> </tr> <tr> <td>Smart Features</td> <td>Intrusion, crossing line, motion detection, Audio detection, Face detection, People counting</td> </tr> <tr> <td>Compatible integration</td> <td>ONVIF, API</td> </tr> <tr> <td>Network</td> <td>1 RJ45 10M/100M Base-TX Ethernet</td> </tr> </table>	Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SNMP, SIP, QoS	Smart Features	Intrusion, crossing line, motion detection, Audio detection, Face detection, People counting	Compatible integration	ONVIF, API	Network	1 RJ45 10M/100M Base-TX Ethernet			
Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SNMP, SIP, QoS											
Smart Features	Intrusion, crossing line, motion detection, Audio detection, Face detection, People counting											
Compatible integration	ONVIF, API											
Network	1 RJ45 10M/100M Base-TX Ethernet											
	<table border="1"> <tr> <td>Power</td> <td>12 V DC or PoE (IEEE802.3 af), Power consumption: Max 6.4 W</td> </tr> <tr> <td>Working Environment</td> <td>-35°C~+60°C, Humidity ≤ 95% RH (non-condensing)</td> </tr> <tr> <td>Ingress Protection</td> <td>IP66</td> </tr> <tr> <td>Make</td> <td>Uniview / Sony / Hi-focus / Panasonic/ Hikvision/CP Plus or any other reputed brand</td> </tr> </table>	Power	12 V DC or PoE (IEEE802.3 af), Power consumption: Max 6.4 W	Working Environment	-35°C~+60°C, Humidity ≤ 95% RH (non-condensing)	Ingress Protection	IP66	Make	Uniview / Sony / Hi-focus / Panasonic/ Hikvision/CP Plus or any other reputed brand			
Power	12 V DC or PoE (IEEE802.3 af), Power consumption: Max 6.4 W											
Working Environment	-35°C~+60°C, Humidity ≤ 95% RH (non-condensing)											
Ingress Protection	IP66											
Make	Uniview / Sony / Hi-focus / Panasonic/ Hikvision/CP Plus or any other reputed brand											
	360-degree Vandal Resistant Outdoor Dome Camera											
9	Image Sensor:	1/1.7" Progressive Scan CMOS										
	Signal System:	PAL/NTSC										
	Min. Illumination:	0.01 Lux @ (F1.2, AGC ON), 0.04 Lux @ (F2.4, AGC ON), 0 Lux with IR										
	Shutter time:	1/25(1/30)s ~ 1/100,000s										
	Lens:	2mm @F2.4, angle of view: 360°										
	Lens Mount:	M12										
	Day& Night:	IR cut filter with auto switch										
	Wide Dynamic Range:	Digital WDR										
	Digital noise reduction:	3D DNR										
	Video Compression:	H.264+/H.264/MJPEG, Support H.264+ only when the display mode is Fisheye View										
	Video bit rate:	32Kbps~16Mbps										
	Audio Compression:	-S: G.711/G.726/MP2L2										
	Dual Stream:	Yes										

Signature of Firm/Vendor

Max. Image Resolution:	4000 x 3072			
Frame Rate:	Main Stream : 50Hz: 20fps (4000 x 3072), 25fps(3072 x 3072, 2560 x 2560) 60Hz: 20fps (4000 x 3072), 24fps(3072 x 3072), 30fps(2560 x 2560)			
Sub Stream:	50Hz: 12.5fps (720 x 720, 720 x 576) 60Hz: 15fps (720 x 720, 704 x 480)			
Image Settings:	Saturation, Brightness, Contrast , Hue, Sharpness, AGC, White Balance			
3D DNR:	Support			
ROI:	Support			
Day/Night Switch:	Auto/Schedule/Alarm Trigger			
Network Storage:	NAS (Support NFS,SMB/CIFS)			
Alarm Trigger:	Line Crossing, Intrusion Detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect , IP address conflict, Storage exception			
Protocols:	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour			
General Function:	User Authentication, Watermark, IP address filtering, anonymous access, flickerless, heartbeat, video mask			
System Compatibility:	ONVIF (Profile S, Profile G),ISAPI			
Audio Input:	1 3.5mm audio interface, Mic in/Line in (-S); 1 built-in microphone by default, 24db			
Audio Output:	1 3.5mm audio output interface (-S); 1 built-in speaker by default, support echo cancellation			
Communication Interface:	1 RJ45 10M/100M/1000M Ethernet port, 1 RS 485 interface (-S)			

Signature of Firm/Vendor

	Alarm Input:	1		
	Alarm Output:	1		
	On-board storage:	Built-in Micro SD/SDHC/SDXC slot , up to 128 GB		
	Reset Button:	Yes		
	Operating Conditions:	Indoor: -10 °C – 50 °C (14 °F – 122 ° F) -V: -30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)		
	Power Supply:	12 VDC ± 10%, PoE (802.3af)		
	Power Consumption :	Max. 14.7 W		
	Impact Protection:	-V: IEC60068-2-75Eh, 20J; EN50102, up to IK10		
	Weather Proof:	IP66		
	IR Range:	15 meters		
	Dimensions:	164x152.8x43.8mm(6.46"x6.02"x1.72")		
10.	16 port switch with PoE (in-built power supply for the cameras); Rack mountable		As per requirement	
	Download Ethernet Ports	16xRJ45, PoE+ 10/100 Base-TX		
	Uplink Ethernet Ports	2*10/100/1000 Base-T+ 1*1000 Base-X (combo)		
	Power Input	1xAC Female Terminal		
	Grounding Terminal	1xGrounding Terminal		
	Power Input	Mains on load, 100~240V AC 50/60Hz		
	PoE Power Supply	End span (1/2, 3/6), IEEE802.3af/at		
	PoE Power Max Power Output	250 W		
	PoE	Via Web		
	CCTV mode	Downlink ports only communicate with uplink ports; Restrain network storm under 2 Mbps		
	Transmission distance	100m (Max.)		
	ESD	6KV/8KV, Per: IEC61000-4-2		
	Surge protection	6KV, Per: IEC61000-4-2		

Signature of Firm/Vendor

	Gigabit SFP Port	Uplink Gigabit SFP Combo Port		
	Make	Xpia / Hi-focus / Digisol		
11.	8 port switch with PoE (in-built power supply for the cameras)		As per requirement	
	Download Ethernet Ports	8xRJ45, PoE+ Base-TX		
	Uplink Ethernet Ports	1*10/100/1000 Base-T+ 1*1000 Base-X (combo)		
	Power Input	1xAC Female Terminal		
	Grounding Terminal	1xGrounding Terminal		
	Power Input	Mains on load, 100~240V AC 50/60Hz		
	PoE Power Supply	End span (1/2, 3/6), IEEE802.3 af/at		
	PoE	Via Web		
	Power Supply	120 W		
	CCTV mode	Downlink ports only communicate with uplink ports; Restrain network storm under 2 Mbps		
	Transmission distance	100m (Max.)		
	ESD	1a Contact Discharge Level 3 1b Air Discharge Level 3 Standard: IEC6 1000-4-2		
	Anti-Thunder Level	Level 3 Standard: IEC6 10004-2		
	Gigabit Port	Uplink Gigabit Port		
Make	Xpia / Hi-focus / Digisol			
12.	NETWORKING Industrial Media Converter (Triple speed Gigabit Media converter 10/100/1000Base-T to 1000Base-X, range 500 mtrs to 70 kms) 8 port Gigabit Switches (10/100/1000) Fiber Modules, Pigtails, Patch cards (Both Optic Fiber & CAT 6) LIU/Fibre Optic Joint Enclosures All types of Accessories required for networking & CCTV installation including weather proof protection kit for RJ45 connector (Cisco / Digisol/Mro-Tek/3C make)		Lump sum	
13.	4 TB Internal Surveillance Hard Disk (Western / Toshiba / Seagate make)	As per requirement		
14.	50" LED TV (Intex / LG make)	4 Nos.		
15.	Armoured outdoor OFC (Optic Fibre Cable 6/12 core)with laying and digging of soft soil (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement		
16.	CAT 6 Cable including laying and casing & capping (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement		

Signature of Firm/Vendor

17.	Armoured outdoor CAT 6 Cable including laying and digging of soft soil (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement		
18.	Power cable at 28 & 12 locations for speakers (with switch & socket) including casing & capping (approx.) will be taken from nearest classroom or building	As per actual requirement		
19.	Speaker cable at 12 locations including casing & capping (approx.)	As per actual requirement		
20.	4 U Racks (wall mount) (D-Link / Digisol make)	As per requirement		
21.	6 U Racks (wall mount) (D-Link / Digisol make)	As per requirement		
22.	Outdoor weather proof water resistant enclosure	On need basis.		
23.	Hard soil digging (approx depth of 12 to 18 inches)	150 mtrs		
24.	Installation Charges	Lump sum		
25.	Protection cover of all out door cameras	As per requirement		

Requirement of training / on job training

Training is required to be given by the contractor to the staff of the school on the operation of item / System.

Requirement of installation/commissioning

Installation / commissioning is required to be done within a stipulated time.

Requirement of Technical documentation

All the technical documents are required to be submitted by the contractor to the school.

Nature of assistance required after completion of warranty

The contractor shall specify the nature of assistance required after completion of warranty.

Requirement of pre-site/equipment inspection

Pre-site /equipment inspection will be carried out.

Name of Rep of Firm : _____

Signature of Firm Rep: _____

Name of the Firm _____

Address _____

Mobile No _____

DD No _____

DD Date _____

Amount : _____

SAINIK SCHOOL REWARI
COMMERCIAL BID

S. No	PARTICULARS	QTY REQ	RATE / UNIT
1.	64 CHANNEL NVR (with 2-way Audio)	2 Nos.	
2.	32 CHANNEL NVR (with 2-way Audio)	2 Nos.	
3.	Soft NVR with PC	2 Nos.	
4.	Mike & Speaker to connect to one NVR for addressing Individual class rooms (Stranger / Ahuja / Studio master make)	1 No.	
5.	Paging Mike & Amplifier to connect to the PA system for addressing the Entire School (Stranger / Ahuja / Studio master make)	1 No.	
6.	PA Dual Sound Speakers (at 8 zones) (Stranger / Ahuja / Studio master make)	16 Nos.	
7.	IR DOME VANDAL RESISTANT IP CAMERA	As per requirement	
8.	IR DOME IP CAMERA	As per requirement	
9.	IR BULLET IP CAMERA	As per requirement	
10.	360-degree Vandal Resistant Outdoor Dome Camera	As per requirement	
11.	IR DOME VANDAL RESISTANT IP CAMERA without Night Vision	As per requirement	
12.	IR DOME IP CAMERA without Night Vision	As per requirement	
13.	IR BULLET IP CAMERA without Night Vision	As per requirement	
14.	360-degree Vandal Resistant Outdoor Dome Camera without Night Vision	As per requirement	
15.	16 port switch with PoE (in-built cameras); Rack mountable power supply for the	As per requirement	
16.	8 port switch with PoE (in-built power supply for the cameras)	As per requirement	
17.	NETWORKING	Lump sum	
18.	4 TB Internal Surveillance Hard Disk (Western / Toshiba / Seagate make)	As per requirement	
19.	50" LED TV (Intex / LG make)	4 Nos.	
20.	Armoured outdoor OFC (Optic Fibre Cable 6/12 core)with laying and digging of soft soil (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement	

Signature of Firm/Vendor

21.	CAT 6 Cable including laying and casing & capping (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement	
22.	Armoured outdoor CAT 6 Cable including laying and digging of soft soil (approx.) Only Digisol, D-Link or Legrand brands	As per actual requirement	
23.	Power cable at 28 & 12 locations for speakers (with switch & socket) including casing & capping (approx.) will be taken from nearest classroom or building	As per actual requirement	
24.	Speaker cable at 12 locations including casing & capping (approx.)	As per actual requirement	
25.	4 U Racks (wall mount) (D-Link / Digisol make)	As per requirement	
26.	6 U Racks (wall mount) (D-Link / Digisol make)	As per requirement	
27.	Outdoor weather proof water resistant enclosure	On need basis.	
28.	Hard soil digging (approx depth of 12 to 18 inches)	150 mtrs	
29.	Installation Charges	Lump sum	
30.	Protection cover of all out door cameras	As per requirement	
(Total Rupees _____ only)			

Name of Rep of Firm : _____

Signature of Firm Rep: _____

Name of the Firm _____

Address _____

Mobile No _____

DD No _____

DD Date _____

Amount : _____