

F. No. 10-40/18/RIEB/C& / \_\_\_\_\_

National Council of Educational Research & Training  
Sri Aurobindo Marg, New Delhi -110016

No: 351

Date: 06/3/19

Tender Notice

Dated 06.03.2019

1. The Regional Institute of Education, Bhubaneswar is an autonomous body under the Ministry of HRD. The RIE is interested in inviting e-tender for the supply and installation of CCTV Cameras in the DM School of the Institute in the 1<sup>st</sup> Phase.
2. The Tender shall be accepted under Two Bid Systems. The interested firms have to submit the Technical Bids and Financial Bids online in the prescribed proforma through e - procurement portal <http://eprocure.gov.in/eprocure/app> only. Tender sent by any other mode will not be considered and the same will be rejected summarily. All the documents in support of eligibility criteria etc. are also to be scanned and uploaded along with the Tender documents. No tender documents will be accepted after the expiry of stipulated date and time for the purpose under any circumstances what so ever.
3. All tender documents attached with this invitation to tender including the Specifications are sacrosanct for considering any offer as complete offer. It is therefore important that Tender Acceptance Letter which is a written undertaking that all the terms and conditions of the tender are understood and accepted should be signed and submitted through e-Procurement site <https://eprocure.gov.in/eprocure/app>.
4. The Earnest money Deposit (EMD) refundable of Rs.70,000/- (Rupees Seventy thousand only) shall be payable in the form of DD/BC drawn in favour of General Fund Account payable at Bhubaneswar. Earnest Money will be refunded to unsuccessful tenders/bidders after finalization of the tender. After award of work to the bidder has to deposit 10% of total contract annual value as performance security Deposit. Performance Security should remain valid for 90 days beyond the date of completion of all contractual obligations including warranty/guarantee.
5. All entries in the tender form should be legible and filled clearly, if the space provided for furnishing is insufficient; a separate sheet duly signed by the authorized signatory may be scanned and uploaded. No correction either in the Technical Bids or Financial Bids is permitted.
6. Conditional bids shall not be considered and will be rejected summarily.

7. The Technical Bid shall be opened on the scheduled date and time i.e 22.03.2019 at 10.00 a.m. in the staff common room of RIE, Sachivalaya Marg, Unit -IX, Bhubaneswar -22.

8. The Financial Bids of only those bidders who qualify in the technical bid will be opened after evaluation by the Committee constituted for the purpose on 22.03.2019 at 4.00 pm.

9. No bidding firm will be allowed to withdraw its bids after technical bids have been opened. If any firm intends to withdraw after opening of technical bids its EMD will be forfeited.

10. The Principal ,RIE reserves the right to reject any or all the tenders submitted by the bidders at any time or relax/withdraw/ add any of the terms and conditions contained in the Tender Documents without assigning any reason thereof.

11. The tender documents can be downloaded from the website <http://eprocure.gov.in/eprocure/app> from 6.03.2019 2.30 pm to 20.03.2019 5.30 P.M and also from Institute website [www.riebbs.ori.nic.in](http://www.riebbs.ori.nic.in)

12. Any subsequent updates, Addendums, Corrigendum's etc., if any will be published only on the website <http://eprocure.gov.in/eprocure/app> and [www.riebbs.ori.nic.in](http://www.riebbs.ori.nic.in) . All bidders are required to regularly check the websites for any updates.



(Usha Kapur )  
Administrative Officer



## Document Control Sheet

|                                                            |                                                                                                                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tender No.                                                 | RIE(NCERT)/2019/____                                                                                                                                                                                   |
| Name of the organization                                   | Regional Institute of Education( RIE), Bhubaneswar                                                                                                                                                     |
| Date of Issue/Publishing                                   | 06/03/2019 (10.00 AM)                                                                                                                                                                                  |
| Document Download/Sale start date                          | 06/03/2019(02.30 PM)                                                                                                                                                                                   |
| Document Download/Sale End Date                            | 20/03/2019(02:30 PM)                                                                                                                                                                                   |
| Bid Submission Start Date                                  | 06/03/2019 (02.30 PM)                                                                                                                                                                                  |
| Clarification Start Date                                   | 11/03/2019 (10.00 AM)                                                                                                                                                                                  |
| Clarification End Date                                     | 13/03/2019 (05:30PM )                                                                                                                                                                                  |
| Last Date and Time for uploading of Bids                   | 20/03/2019 (05:30 PM)                                                                                                                                                                                  |
| Date and Time of Opening of Uploaded Bids                  | 22/03/2019 (11:30 PM)                                                                                                                                                                                  |
| Submission of original EMD instrument by Speed Post        | Upto 20/03/2019 ( upto 05:30 PM)                                                                                                                                                                       |
| Physical Dropping of original EMD instrument in Tender Box | Upto 20/03/2019 ( upto 05:30 PM)                                                                                                                                                                       |
| Address for Communication                                  | Regional Institute of Education ( RIE), NCERT,<br>Sachivalay Marg, Unit -IX ,<br>Bhubaneswar: 751022<br>Website: <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> |

Index to Terms and Conditions and Annexure for participation in tender

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1. **Instructions for Online Bid Submission :**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <https://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically in the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering in the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online in the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

2. **Registration:**

- (i) Bidders are required to enrol in the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enrol". Enrolment in the CPP Portal is free of charges.
- (ii) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- (iii) Bidders are advised to register their valid email address and mobile number as part of the registration process. These would be used for any communication from the CPP Portal.
- (iv) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- (v) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- (vi) Bidder then logs in to the site through the secured log-in by entering his user ID / Password and Password/PIN of the DSC / eToken.

3. **Searching for Tender Documents:**

- (i) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- (ii) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective "My Tenders" folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- (iii) The bidders should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.



4. **Preparation of Bids:**

- (i) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- (ii) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviation from these may lead to rejection of the bid.
- (iii) Bidder, in advance, should make ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option and converted to pdf or other formats as required.
- (iv) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

5. **Submission of Bids:**

- (i) Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission end date and time. Bidder will be solely responsible for any delay due to other issues.
- (ii) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (iii) The bidder shall seal the original Bank Draft/Pay order in an envelope and shall mark its name and tender reference number on the back of the Bank Draft/Pay Order before sealing the same. The address of RIE and the Tender Reference Number shall be marked on the envelope. The envelope shall also be marked with a Sentence “**NOT TO BE OPENED BEFORE** the Date and Time of Bid Opening”. If the envelope is not marked as specified above, RIE will not assume any responsibility for its misplacement, pre-mature opening etc.
- (iv) The EMD envelope should be dropped in the tender box from date of submission of tender to the last date of tender. In case EMD is sent through Speed Post by the bidder, it must reach the tender inviting authority of RIE, Bhubaneswar on or before opening of Technical bid. EMD not meeting above deadlines will not be accepted and their uploaded bids will be rejected.
- (vi) **A standard BoQ format** in the form of an excel sheet has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the light blue colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- (vii) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.



- (viii) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
  - (ix) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
  - (x) Upon the successful and timely submission of bids, the portal will give a successful bid submission acknowledgement message & a bid summary will be displayed with the bid number and the date & time of submission of the bid with all other relevant details.
  - (xi) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for bid opening meetings, if any.
- 6. Assistance to Bidders:**
- (i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. Helpdesk. The contact number for the helpdesk is 01204200462/01204001002.
- 7. Introduction:**
- Detailed specification for supply and installation of CCTV Camera and other accessories are given at **Annexure - 1A to Annexure - 1M.** .
- 8. Availability of Tender:**
- (i) On-line bidding through Central Public Procurement Portal (CPPP).
  - (ii) The tender document is available at CPPP site i.e. <https://eprocure.gov.in/eprocure/app> download the tender document free of cost from the above mentioned website.
- 9. Time Schedule:**
- The time schedule will be strictly adhered to as mentioned in **Document Control Sheet**. No Bid will be accepted after the expiry of the above mentioned time schedule.
- 10. Scope of Work:**
- (i) The selected bidder(s) after placement of order will supply and install the CC TV Cameras at DM School and Institute Main building as per the detailed given at **Annexure-2** in strict conformity to the prescribed specifications and quantities with the stipulated period.
  - (ii) After sale on-site maintenance services as well as warranty must be provided immediately as and when required by the Institute.

11. **Bid Validity:**

The rates should be quoted as per BoQ : "Financial Bid". The bids must be valid for a minimum period of 120 days (One hundred twenty days) from the date of signing the rate contract agreement. If necessary, RIE will seek extension in the bid validity period beyond 120 days. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their EMD. No revision of rate will be made during the period of bid validity.

12. **Essential Eligibility Criteria:**

- i. If the bid is not accompanied by all the requisite supporting documents, the same would be rejected.
- ii. Undertaking for subsequent submission of any of the required document will not be entertained under any circumstances. However, RIE reserves the right to seek fresh set of documents or seek clarifications on the already submitted documents.
- iii. All documents in technical cover should be submitted electronically in PDF format. The BOQ has to be submitted in Excel format.
- iv. The bidder should have its office/branch/shop in and around Bhubaneswar with complete postal address with functional telephone(s)/Fax number for providing after sale on-site services during and beyond the warranty period immediately as and when requires by RIE. Relevant supporting documents in this regard must be uploaded.
- v. Partner or Company has not been black listed by any court of law or any Government / Semi Government / Central Autonomous Bodies /PSU/ Corporation and no case is either pending or being contemplated with the police so far. In future, if it takes place, the bidder shall be liable to inform RIE forthwith. (Document must be uploaded).
- vi. The bidder must also provide its valid PAN (Permanent Account Number) allotted by the Income Tax Department (Document must be uploaded).
- vii. The bidder must be in possession of valid GST Registration Certificate issued by the appropriate authority (Document must be uploaded).
- viii. The bidder should provide copy of the IT returns filed with Income Tax Department for the financial year 2015-16, 2016-17, 2017-18 (Document must be uploaded).
- ix. The bidder must have turnover of minimum Rs.70,00000/- (Seventy Lakh) on an average per year calculated on the basis of past consecutive three years 2015-16, 2016-17 and 2017-18 .  
**(Document must be uploaded).**
- x. The bidders participating on behalf of Original Equipment Manufacturer (OEM)/Company must upload supporting documents in respect of their dealership/distributor certificate from the respective OEM/Company. **(Document must be uploaded).**
- xi. The catalogue containing make, model, image and specifications in details for each item published in the tender must be uploaded. **(Catalogue must be uploaded).**



- xii. No additional documents/clarifications will be asked from the bidders at any stage and tenders will be evaluated on the basis of documents already submitted by the bidder in the CPPP Portal.

**13. General Eligibility Criteria (General Terms and Conditions).**

- (i) Bidders are advised to study the bid document carefully. Submission of the bid shall be deemed to have been done after careful study and examination of all instructions, eligibility criteria, terms and conditions and prescribed specifications in the tender document with full understanding of its implications. Bids not complying with all the given clauses in this tender document are liable to be rejected. Failure to furnish all information required in the tender document or submission of a bid not substantially responsive to the tender document in every respect will be at the bidder's risk and may result in the rejection of the bid.
- (ii) At any time prior to the last date for receipt of bids, RIE may for any reason, modify/relax any of the terms and conditions of the tender document by an amendment. The amendment notified on the website <https://eprocure.gov.in/eprocure/app> and <http://riebbs.ori.nic.in> will be binding on the prospective bidders. In order to afford prospective bidders reasonable time to take the amendment into account in preparing their bids, RIE may at its discretion may extend the last date for the receipt of bids or cancel the tender. The bidders are required to quote their lowest rates on FOR destination basis, Taxes as applicable (with percentage) in BoQ : Financial Bid. The rates must be quoted in BoQ for the entire items and any item, if left unquoted by the bidder, the financial bid of the said bidder will not be considered for further evaluation and it will be rejected straight away.
- (iii) No bid may be modified subsequent to the last date for receipt of bids. No bid will be Withdrawn in the interval between the last date for receipt of bids and the expiry of the bid validity period. Withdrawal of a bid during this interval shall result in forfeiture of bidder's EMD.
- (iv) The bidder shall bear all costs associated with the preparation and submission of its bid. RIE, in no case be responsible or liable for those costs regardless of the outcome of the tendering process.
- (v) The bidder shall treat the contents of the tender documents as private and confidential.
- (vi) The tender is not transferable. Only one tender shall be submitted by one bidder.
- (vii) When deemed necessary, RIE may seek clarifications on any aspect of their bid from the bidder on the existing documents submitted along with the bid or may visit the bidders' offices for verification. However, that would not entitle the bidder to change or cause any change in the substance of the tender submitted or price quoted. This would also not mean that their bids have been accepted.
- (viii) RIE at its discretion may waive any minor informality or non-conformity or irregularity in a bid, provided such waiver does not prejudice or affect the relative ranking of any other bidder.
- (ix) Any effort by a bidder to influence RIE bid evaluation, bid comparison or supply award decision may result in the rejection of its bid and forfeiture of EMD.



- (x) No enquiry shall be made by the bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful bidder(s).

**14. Earnest Money Deposit (EMD):**

- (i) The Earnest Money Deposit (EMD) of Rs.70,000.00 (Rupees Seventy Thousand only ) must be submitted in form of an accounts Demand Draft/Pay Order of any of the scheduled Commercial or Nationalised Bank drawn in favour of “**General Fund Account**” payable at “**Bhubaneswar**” without which the bid will be summarily rejected. However, the scanned copy of the demand drafts / Pay Orders must be uploaded (PDF format) electronically in <https://eprocure.gov.in/eprocure/app>.
- (ii) No Bank Guarantee towards EMD will be acceptable.
- (iii) No request for transfer/adjustment of any previous deposit of EMD or Security Deposit or payment of any pending bill held in RIE in respect of any previous work will be entertained.
- (iv) The bids received without EMD or with less EMD as prescribed shall be summarily rejected and no further correspondence in this regard will be entertained.
- (vi) In the case of those bidders who fail to qualify the essential eligibility criteria, or whose technical bids do not qualify, the Earnest Money Deposit (EMD) will be refunded without any interest accrued within one month of the acceptance of TEC (Technical Evaluation Committee)’s recommendations.
- (vii) In the case of those bidders who fail to qualify in **BoQ: Financial Bid**, the Earnest Money Deposit (EMD) will be refunded without any interest accrued thereon within one month of the acceptance of FEC (Financial Evaluation Committee) recommendations.
- (viii) The EMD of the selected bidder will be retained till the submission of performance security and it will be returned without any interest thereon within 30 (Thirty) days after deposit of performance security.
- (ix) No claim shall lie against RIE in respect of erosion in value on the amount of EMD.
- (x) The Earnest Money Deposit will be forfeited, if a bidder:
- (a) Withdraws or alters its bid during the bid validity period.
- (b) Does not accept the correction of errors.
- (c) back out or fails to execute the contract as per the terms and conditions of the tender documents.

**15. Financial Bid**

The bidder shall upload the **BoQ files: “Financial Bids”** as per the instructions given in para 5.vi of the tender document.

**16. Online Bid Submission Process:**

Online bids complete in all respects must be uploaded in <http://eprocure.gov.in/eprocure/app> latest by 20.03.2019 upto 15:30 Hrs.

- (i) The Online bids should be submitted electronically in **2 covers** i.e. “**Technical Bid: Essential Eligibility Criteria**” in **Cover 1** & “**BoQ-**

### **Financial Bid" in Cover 2.**

- (ii) Bids **NOT** submitted as per the specified format and nomenclature will be out rightly rejected.
- (iii) Any alteration by way of over-writing/over-typing or erasing of the figures which render it doubtful or ambiguous are not allowed and shall render the tender invalid.
- (iv) Hypothetical or Conditional tenders shall **NOT** be accepted on any ground and shall be rejected straightway.
- (v) RIE will **NOT** be responsible for any delay on the part of the bidder in obtaining the terms and conditions of the tender notice or submission of the tender bids. The exclusive responsibility for timely submission of bid would vest with the bidder.
- (vi) The offers submitted by telegram/fax/E-mail etc. shall **NOT** be considered. No correspondence will be entertained on this matter.
- (vii) Tender process will be over after the issue of contract letter (s) to the selected bidder(s).
- (viii) Bids not quoted as per the format given by RIE will be rejected straightway.
- (ix) Any counter condition or deviation from terms and conditions of the tender will be liable for rejection of bid.

### **17. Bid Opening Process:**

- (i) **Technical Bid:** will be evaluated in **Three Stages.**
- (ii) **1<sup>st</sup> Stage:** Earnest Money Deposit (Physical Instrument of EMD); **2nd Stage:** Essential Eligibility Criteria and **3<sup>rd</sup> Stage : Quality Inspection.** A duly constituted Technical Evaluation Committee will analyze, evaluate and shortlist Technical Bids in **1<sup>st</sup> and 2<sup>nd</sup> stage** on the basis of parameters provided in **Essential Eligibility Criteria.** During the technical evaluation, if any of the parameters is not met, the bid will be summarily rejected.
- (iii) **1<sup>st</sup> Stage:** The envelope containing EMD instrument physically received in RIE by post or dropped in the tender box will be opened by the evaluation committee in the 1<sup>st</sup> stage. The bids not accompanying with the prescribed EMD will not be considered and it will be rejected straight away.
- (iv) **2<sup>nd</sup> Stage:** Essential Eligibility Criteria of only those bidder(s), whose EMD instruments are found in order, will be opened afterwards in the same bid opening session.
- (v) **3<sup>rd</sup> Stage:** The bidders are to remain present with all sample items for verification of quality as per their technical specification at Regional Institute of Education, Bhubaneswar, Sachivalay Marg, Unit –IX, Bhubaneswar 751022.
- (vii) Financial bids of only those bidders, whose bids are found technically qualified in all the three stages will be opened for further evaluation as per the scheduled date and time to be intimated to the bidder (s).
- (viii) The bidders will be able to view the status of bid opening in the portal by clicking on Tender Status link and giving the tender id as input.
- (ix) In case the day on which tender is to be opened is declared as Holiday the tender will be opened on the next working day without any change in timings.



18. **Technical Evaluation Process:**

- (i) The duly constituted Committee will analyze, evaluate and shortlist Technical Bids on the basis of parameters provided i.e. submission of Earnest Money Deposit-EMD (1<sup>st</sup> Stage) and Essential Eligibility Criteria (2<sup>nd</sup> Stage). The Quality Inspection of the sample finished product (3<sup>rd</sup> Stage).
- (ii) During technical evaluation, if any of the parameters is not met, the bid will be summarily rejected.
- (iii) **No additional documents** will be asked from the bidder(s) at any stage and tenders will be analyzed and evaluated on the basis of the documents already uploaded by the bidder in the CPP Portal.

19. **Evaluation of Financial Bids:**

- (i) The Financial Bids of only technically qualified bidders in all three stages will be opened electronically on a specified date and time and the same will be evaluated by a duly constituted Financial Evaluation Committee (FEC).
- (ii) **L1, L2, L3.....** bidders will be decided on Total Value (TV) of **BoQ** : This is a single bid and total cost of all the items will be considered for deciding the lowest one bidder. The bidder (s) with lowest price conforming offer (**L1**) adjusted to two decimal places on individual item will be considered as most responsive bidder for awarding the contract.
- (iii) Quoting incredibly low value of items in **BoQ: "Financial Bid"** with a view to subverting the tender process shall be rejected straight away. The decision for either forfeiture of EMD or refund to bidder in such case will be taken by RIE and intimated to the bidder.
- (iv) There will be **NO NEGOTIATION** regarding the financial bid.
- (v) No enquiry shall be made by the bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful bidder.
- (vi) RIE may waive any minor informality or non-conformity or irregularity in a bid, provided such waiver does not prejudice or affect the relative ranking of any other bidder.
- (vii) Any effort by a bidder to influence RIE bid evaluation, bid comparison or contract award decision may result in the rejection of its bid and forfeiture of EMD.

20. **Empanelment Process:**

- (i) The acceptance of bid will be intimated to the finally selected successful bidder through a letter of intent (LOI) duly signed by the authorized signatory of RIE, Bhubaneswar.
- (ii) The successful bidder shall sign a Rate Contract (RC) Agreement with RIE within **one week** from the date of issue of such communication from RIE, failing which their EMD shall be forfeited and bid will be scrapped. Such bidder shall also be debarred from quoting for future tenders of RIE for next two years.
- (iii) The rates quoted should be valid for the entire bid validity period. No request will be considered for price revision during such period.
- (iv) The selected bidder should not assign or sublet the supply order or subcontract the agreement or any part of it to any other party in any form. Any such attempt will result in



termination of contract and forfeiture of EMD/Performance Bank Guarantee. Thereafter, the work will be got done by NIC from other agency at the cost, risk and responsibility of the bidder by invoking the Risk Clause.

- (v) However, in the event of vendor's business or concerned division is taken over/ brought over by another agency/farm, all the obligations and execution responsibilities under the tender/contract with RIE shall be passed on for compliance to that new agency/farm inheriting business operations from earlier assigned party/farm.

**21. PERFORMANCE SECURITY:**

- (i) In order to safeguard the purchasers interest in all aspects of the contract agreement/empanelment, performance security is to be obtained from the successful bidder awarded the contract for supply and installation of CCTV Cameras. Performance security should be for an amount of 10% of the value of the ordered items (including taxes, duties and other charges to the FOR destination prices) in shape of Bank Guarantee from any of the scheduled commercial or Nationalized Bank duly pledged in the name of the " General Fund Account, Bhubaneswar" and it must remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier.
- (ii) The performance security will be deposited by the successful bidder within one week of commencing from the date of placement of **order**.
- (iii) No interest will be payable on Performance Security Deposit/Bank Guarantee. Performance Security Deposit/Bank Guarantee of the selected bidder(s) will be refunded/discharged 60 days (Sixty) beyond the date of completion of all contractual obligations of the supplier including warranty obligations without accruing any interest thereon.
- (iv) RIE reserves the right to encash/invoke the Performance Bank Guarantee of the successful bidder at any time during its validity period in the event of failure or delay in supply or any breach or negligence or non-observance of any term and condition of the contract or unsatisfactory services during the contract.

**22. PAYMENT PROCEDURE:**

- (i) The pre-receipted bill in triplicate in the name of Principal, Regional Institute of Education, Bhubaneswar will be submitted immediately after the supply and installation of ordered materials.  
The bill complete in all respects will be processed and payment will be released within 15 days subject to fulfilling the tender/contract agreement/supply order terms and conditions. Vendor in the event of any breach of the terms and conditions of the tender documents/contract agreement/supply order by vendor. No interest will be allowed on payment withheld, when released.

**23. Delivery & Installation :**

- (i) All the materials ordered shall be delivered within 15 (Fifteen days) from the date of issue of supply order placed to the Tenderer.
- (ii) All the aspects of safe delivery shall be the exclusive responsibility of the Tenderer. Satisfactory installation / commissioning and handover of the CCTV Cameras will be completed within 15 (Fifteen days) from the date of receipt of the office furniture at NIC, Bhubaneswar premises on good condition.



- (iii) Normally, extension of delivery period will not be permitted. However, in case extension of delivery period becomes essential, the supplier will send the request for extension of delivery period to the purchaser before expiry of delivery period. In the event of failure to supply the ordered materials within the stipulated delivery schedule, the successful bidders must obtain extension of delivery period, with or without liquidated damage, before dispatch/supply of the ordered materials. It is left to the discretionary power of RIE to decide as to the grant of extension of period of delivery of ordered goods with or without liquidated damages. Supplies made without obtaining extension of delivery period shall be liable for non acceptance by RIE.

**24. Right of acceptance:**

RIE does not bind itself to accept the lowest bid/quotation. It also reserves the right to accept any bid, and to cancel/abort the tender process and reject all bids/contract at any time prior to placement of supply order, without thereby incurring any liability to the affected bidder or bidders and of any obligation to inform the affected bidders of the grounds for RIE's action without assigning any reasons whatsoever. The decision of RIE arrived at will be final and no representation of any kind will be entertained.

**25. Guarantee/Warranty:**

The supplier shall warrant that the items supplied under the contract/supply order is of

- (i) new, unused and of current design.
- (ii) in accordance with the contract specifications.
- (iii) shall have not defects arising out of design, materials or workmanship.
- (iv) The on-site replacement warranty shall remain for a period of **minimum 12 Months** from the date of satisfactory installation of CCTV Cameras. .
- (v) During warranty period, the supplier is required to Visit RIE, Bhubaneswar site **at least once in 3 months** commencing from the date of delivery of the goods for preventive maintenance of the materials.
- (vi) In the event of any defects in materials/ design and workmanship during the aforesaid period is found due to faulty design or poor workmanship, the defective items will be replaced by the supplier at site free of cost within 7 (Seven) days during warranty claims.
- (vii) The guarantee/warranty shall cover the total stores supplied so that the necessity of having to approach different manufacturers of various components/assemblies does not arise and all services under warranty clause shall be the responsibility of the ultimate supplier of the composite stores. The supplier will have to replace the defective items, if any, during the warranty period free of cost. The responsibility to collect the defective/rejected material will lie with the supplier and the cost for such collection will have to be borne by the supplier.

**26. Force Majeure:** It is applicable to both the parties as per rule.

**27. Arbitration:**

In the event of disputes or differences arising out at any point of time in connection with this contract, arising between the parties, out of or relating to the construction, meaning, discharge of services, confusion, lack of understanding, disagreement or effect of this contract agreement or the breach thereof, both the parties shall first endeavour to settle such disputes of differences, etc. amicably. However, if the parties are not able to resolve these disputes amicably within a period of 15 (fifteen) days, the same shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Both the parties shall have the right to appoint an arbitrator each and the third, presiding arbitrator shall be

appointed by the two arbitrators so nominated. The decision of the arbitrators shall be final and binding on both the parties. The venue of the arbitration shall be at Bhubaneswar.

**28. Legal Jurisdiction:**

- (i) The contract shall be governed by the Laws and procedures established by Government of India, within the frame work of applicable legislation and enactment made from time to time concerning such techno commercial dealings/processing.
- (ii) Legal issues, if any shall be settled under the sole jurisdiction of Bhubaneswar, Odisha only.

**29. Miscellaneous:**

Any other terms and conditions, mutually agreed to, prior to finalization of the contract shall be binding on the agency and NIC, during the period of contract. Any default of any terms and conditions of the tender will result in rejection of the bid and forfeiture of EMD/Performance Bank Guarantee accordingly.

For any query or clarification on the tender documents, please contact the undersigned, RIE, Bhubaneswar.

*WSh*  
*6/3/19*

Administrative Officer  
Regional Institute of Education  
Bhubaneswar



### Essential Eligibility Criteria

1. Essential Eligibility Criteria Compliance Sheet (to be filled and submitted by the bidder along with the Technical Bid)
2. All the supporting documents with respect to SI No. 1 to 18 will be uploaded in pdf format.

| SI No | Particulars                                                                                                                                                                                                   | Compliance<br>( Yes/No) | Reference of Enclosed<br>Proof (Page No ) |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------|
| 1     | The scanned copy of EMD instrument for Schedule A <b>(Ref. para 14 of tender)</b>                                                                                                                             |                         |                                           |
| 2     | The complete postal address of office / branch office/shop of the bidder with functional telephone / FAX number <b>(Ref. para 12(vii) of tender document)</b>                                                 |                         |                                           |
| 3     | Duly signed <b>Annexure-3</b> with stamp of the tender in token of proof to have read and accepted all the terms and conditions mentioned therein to be uploaded <b>(Ref. Page No.34 of tender document )</b> |                         |                                           |
| 4     | Permanent Account Number (PAN)                                                                                                                                                                                |                         |                                           |
| 5     | Good and Services Tax (GST) registration of the bidder                                                                                                                                                        |                         |                                           |
| 6     | Copy of the IT returns filed for the financial year 2015-16, 2016-17 and 2017-18                                                                                                                              |                         |                                           |
| 7     | Dealership/Company Certificate in respect of bidders participating on behalf of OEM/Company.                                                                                                                  |                         |                                           |
| 8     | Catalogue containing make, model, image and specification in details for each item published in the tender.                                                                                                   |                         |                                           |

9. Documentary evidence certifying turnover of Rs.70,00000/- Lakh on an average per year calculated on the basis of last three years (2015-16,2016-17 & 2017-18). The IT return copies shall be uploaded for last three financial year 2015-16/2016-17/2017-18.

| Financial Year           | Amount (in Rs.) | Remarks, if any |
|--------------------------|-----------------|-----------------|
| 2015-16                  |                 |                 |
| 2016-17                  |                 |                 |
| 2017-18                  |                 |                 |
| Average amount per year: |                 |                 |

10. Documentary evidence/certificate/credentials regarding satisfactory completion/execution of at least one supply/ purchase order in his own name with minimum value of Rs.15.00 lakh for any of the as Annexure 1A to 1M in office(s) under Government/Govt. Undertaking/PSU/Corporation Sector (s)./ reputed limited Company.

| Sl. No. | Name and Address of Government Organisation/PSU/Corporation, Telephone/ Fax No. | Name & Designation of Nodal Officer | Month/Year of supply |      | Item of CCTV cameras supplied | Quantity | Amount of Contract/Supply order (Rs.) |
|---------|---------------------------------------------------------------------------------|-------------------------------------|----------------------|------|-------------------------------|----------|---------------------------------------|
|         |                                                                                 |                                     | Month                | Year |                               |          |                                       |
|         |                                                                                 |                                     |                      |      |                               |          |                                       |
|         |                                                                                 |                                     |                      |      |                               |          |                                       |
|         |                                                                                 |                                     |                      |      |                               |          |                                       |
|         |                                                                                 |                                     |                      |      |                               |          |                                       |

Signature with seal, Name & Designation of the Authorised Signatory:

Place:

Name \_\_\_\_\_

Date:

Designation \_\_\_\_\_

Office Address \_\_\_\_\_

Office Phone \_\_\_\_\_

Residence Phone \_\_\_\_\_

Mobile No. \_\_\_\_\_

Note:

1. The Bidders are instructed to fill up the above annexure and indicate the page number of the supporting document as proof.
2. All documents mentioned will be uploaded as the pdf file in the Technical Cover.



| Specification for CCTV Camera 4MP 30x Network PTZ Camera |                                |                                                                                                                                                |
|----------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 4MP 30x Network PTZ Camera                               |                                |                                                                                                                                                |
| S. No.                                                   | Features                       | Description                                                                                                                                    |
|                                                          | Make                           | SONY , BOSCH, Hikvision, Panasonic                                                                                                             |
| 1                                                        | Image Sensor                   | 1/3" CMOS                                                                                                                                      |
| 2                                                        | Effective Pixels               | 2592(H) x 1520(V), 4 Megapixels                                                                                                                |
| 3                                                        | RAM/ROM                        | 1024M/128M                                                                                                                                     |
| 4                                                        | Scanning System                | Progressive                                                                                                                                    |
| 5                                                        | Minimum Illumination           | Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6;<br>0Lux@F1.6 (IR on)                                                                                |
| 6                                                        | S/N Ratio                      | More than 55dB                                                                                                                                 |
| 7                                                        | IR Distance                    | Distance up to 100m (328ft)                                                                                                                    |
| 8                                                        | Focal Length                   | 4.5mm~135mm                                                                                                                                    |
| 9                                                        | Optical Zoom                   | 30x                                                                                                                                            |
| 10                                                       | Close Focus Distance           | 100mm~ 1000mm                                                                                                                                  |
| 11                                                       | Pan/Tilt Range                 | Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°,auto flip 180°                                                                                        |
| 12                                                       | Preset Speed                   | Pan: 400° /s; Tilt: 300° /s                                                                                                                    |
| 13                                                       | Presets                        | 300                                                                                                                                            |
| 14                                                       | PTZ Mode                       | 5 Pattern, 8 Tour, Auto Pan ,Auto Scan                                                                                                         |
| 15                                                       | Auto Tracking                  | Support                                                                                                                                        |
| 16                                                       | IVS                            | Tripwire, Intrusion, Abandoned/Missing                                                                                                         |
| 17                                                       | Advanced Intelligent Functions | Face Detection, Heat Map                                                                                                                       |
| 18                                                       | Video Compression              | H.265+/H.265/H.264+/H.264                                                                                                                      |
| 19                                                       | Streaming Capability           | 3 Streams                                                                                                                                      |
| 20                                                       | Resolution                     | 4M(2592×1520)/3M(2304×1296)/1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)                                           |
| 21                                                       | Frame Rate                     | Main stream: 4M/3M(1~25/30fps), 1080P/1.3M/720P(1~50/60fps)                                                                                    |
|                                                          |                                | Sub stream1: D1/CIF(1 ~ 25/30fps)                                                                                                              |
|                                                          |                                | Sub stream2: 4M/1080P/1.3M/720P/D1/CIF(1~25/30fps)                                                                                             |
| 22                                                       | Day/Night                      | Auto(ICR) / Color / B/W                                                                                                                        |
| 23                                                       | Noise Reduction                | Ultra DNR (2D/3D)                                                                                                                              |
| 24                                                       | Motion Detection               | Support                                                                                                                                        |
| 25                                                       | Digital Zoom                   | 16x                                                                                                                                            |
| 26                                                       | Protocol                       | IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x |
| 27                                                       | Interoperability               | ONVIF Profile S&G, API                                                                                                                         |
| 28                                                       | Certifications                 | CE: EN55032/EN55024/EN50130-4<br>FCC: Part15 subpartB,ANSI C63.4- 2014<br>UL: UL60950-1+CAN/CSA C22.2,No.60950-1                               |
| 29                                                       | Power Consumption              | 13W,23W (IR on)                                                                                                                                |
| 30                                                       | Operating Conditions           | (-)40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% RH                                                                                             |
| 31                                                       | Ingress Protection             | IP66                                                                                                                                           |

| Specification for CCTV Camera 6MP Fixed Network Dome Camera |                      |                                                                                                                                                                                 |
|-------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6MP Fixed Network Dome Camera                               |                      |                                                                                                                                                                                 |
| S. No.                                                      | Features             | Description                                                                                                                                                                     |
|                                                             | Make                 | SONY , BOSCH, Hikvision, Panasonic                                                                                                                                              |
| 1                                                           | Image Sensor         | 1/2.9" 6Megapixel progressive scan CMOS                                                                                                                                         |
| 2                                                           | Effective Pixels     | 3072(H) x 2048(V)                                                                                                                                                               |
| 3                                                           | RAM/ROM              | 512MB/32MB                                                                                                                                                                      |
| 4                                                           | Scanning System      | Progressive                                                                                                                                                                     |
| 5                                                           | Minimum Illumination | 0.04Lux/F1.6( Color,1/3s,30IRE)<br>0.4Lux/F1.6( Color,1/30s,30IRE)<br>0Lux/F1.6(IR on)                                                                                          |
| 6                                                           | S/N Ratio            | More than 50dB                                                                                                                                                                  |
| 7                                                           | IR Distance          | Distance up to 30m (98ft)                                                                                                                                                       |
| 8                                                           | Focal Length         | 2.8mm (3.6mm)                                                                                                                                                                   |
| 9                                                           | Close Focus Distance | 0.9m(1.7m)                                                                                                                                                                      |
| 10                                                          | Video Compression    | H.265+/H.265/H.264+/H.264                                                                                                                                                       |
| 11                                                          | Streaming Capability | 3 Streams                                                                                                                                                                       |
| 12                                                          | Resolution           | (3072×2048)/(3072×1728)/(2592×1944)/(2688×1520)/(2560×1440)/(2304×1296)/1080P(1920×1080)/SXGA(1280×1024)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240) |
| 13                                                          | Frame Rate           | Main Stream: 6MP (1~20fps), 4MP(1~25/30fps)<br>Sub Stream: D1(1~25/30fps)<br>Third Stream: 1080P(1~25/30fps)                                                                    |
| 14                                                          | Day/Night            | Auto(ICR) / Color / B/W                                                                                                                                                         |
| 15                                                          | Noise Reduction      | 3D DNR                                                                                                                                                                          |
| 16                                                          | Motion Detection     | Off / On (4 Zone, Rectangle)                                                                                                                                                    |
| 17                                                          | Network Protocol     | HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP                                  |
| 18                                                          | Interoperability     | ONVIF, PSIA, CGI                                                                                                                                                                |
| 19                                                          | Certifications       | CE (EN 60950:2000)<br>UL:UL60950-1<br>FCC: FCC Part 15 Subpart B                                                                                                                |
| 20                                                          | Power Consumption    | <5.5W                                                                                                                                                                           |
| 21                                                          | Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH                                                                                                                           |
| 22                                                          | Ingress Protection   | IP67                                                                                                                                                                            |



## Specification for CCTV Camera 6MP Fixed Network Bullet Camera

## 6MP Fixed Network Bullet Camera

| S. No. | Features             | Description                                                                                                                                                                             |
|--------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Make                 | SONY , BOSCH, Hikvision, Panasonic (with voice recorder)                                                                                                                                |
| 1      | Image Sensor         | 1/2.9" 6Megapixel progressive scan CMOS                                                                                                                                                 |
| 2      | Effective Pixels     | 3072(H) x 2048(V)                                                                                                                                                                       |
| 3      | RAM/ROM              | 512MB/32MB                                                                                                                                                                              |
| 4      | Scanning System      | Progressive                                                                                                                                                                             |
| 5      | Minimum Illumination | 0.04Lux/F1.6( Color,1/3s,30IRE)<br>0.4Lux/F1.6( Color,1/30s,30IRE)<br>0Lux/F1.6(IR on)                                                                                                  |
| 6      | S/N Ratio            | More than 50dB                                                                                                                                                                          |
| 7      | IR Distance          | Distance up to 40m (131ft)                                                                                                                                                              |
| 8      | Focal Length         | 2.8mm (3.6mm optional)                                                                                                                                                                  |
| 9      | Close Focus Distance | 0.9m(1.7m)                                                                                                                                                                              |
| 10     | Video Compression    | H.265+/H.265/H.264+/H.264                                                                                                                                                               |
| 11     | Streaming Capability | 3 Streams                                                                                                                                                                               |
| 12     | Resolution           | (3072×2048)/(3072×1728)/(2592×1944)/(2688×1520)/(2560×1440)/(2304×1296)/<br>1080P(1920×1080)/SXGA(1280×1024)/1.3M(1280×<br>960)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240) |
| 13     | Frame Rate           | Main Stream: 6MP (1~20fps), 4MP(1~25/30fps)<br>Sub Stream: D1(1~25/30fps)<br>Third Stream: 1080P(1~25/30fps)                                                                            |
| 14     | Day/Night            | Auto(ICR) / Color / B/W                                                                                                                                                                 |
| 15     | Noise Reduction      | 3D DNR                                                                                                                                                                                  |
| 16     | Motion Detection     | Off / On (4 Zone, Rectangle)                                                                                                                                                            |
| 17     | Network Protocol     | HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP;<br>FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS;<br>UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP;<br>IGMP; SNMP                                 |
| 18     | Interoperability     | ONVIF, PSIA, CGI                                                                                                                                                                        |
| 19     | Certifications       | CE (EN 60950:2000), UL:UL60950-1<br>FCC: FCC Part 15 Subpart B                                                                                                                          |
| 20     | Power Consumption    | <6.5W                                                                                                                                                                                   |
| 21     | Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH                                                                                                                                   |
| 22     | Ingress Protection   | IP67                                                                                                                                                                                    |

## Specification for 128 Channel Network Video Recorder (NVR)

**128 Channel Network Video Recorder (NVR)**

| S. No. | Features                | Description                                                                                                                                                                                                                         |
|--------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Make:                   | SONY , BOSCH, Hikvision, Panasonic (with Audio Recording Support)                                                                                                                                                                   |
| 1      | Operating System        | Embedded LINUX                                                                                                                                                                                                                      |
| 2      | IP Camera Input         | 128 Channel                                                                                                                                                                                                                         |
| 3      | Interface               | Two independent HDMI outputsof 4K resolution. Resolution: 4K (4096×2160), 4K (3840×2160)/30Hz, 2K (2560×1440)/60Hz, 1080p (1920×1080)/60Hz, UXGA (1600×1200)/60Hz, SXGA (1280×1024)/60Hz, 720p (1280×720)/60Hz, XGA (1024×768)/60Hz |
| 4      | Resolution              | 4k,1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768                                                                                                                                                                               |
| 5      | OSD                     | Camera title, Time, Video loss, Camera lock, Motion detection, Recording                                                                                                                                                            |
| 6      | Compression             | H.264/MJPEG                                                                                                                                                                                                                         |
| 7      | Resolution              | 12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                                                                                                |
| 8      | Record Rate             | 512Mbps                                                                                                                                                                                                                             |
| 9      | Bit Rate                | 16Kbps ~ 20Mbps Per Channel                                                                                                                                                                                                         |
| 10     | Trigger Events          | Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips                                                                                                                                           |
| 11     | Video Detection         | Motion Detéction, MD Zones: 396 (22 × 18), Video Loss and Tampering                                                                                                                                                                 |
| 12     | Alarm input/Output      | 16/8                                                                                                                                                                                                                                |
| 13     | Tracking Trigger Event  | Zoom, Tracking, Recording, Preset, Snapshot, Alarm, etc.                                                                                                                                                                            |
| 14     | Playback                | 128 Mbps in Raid 5 Mode;<br>64 Mbps in single HDD Mode                                                                                                                                                                              |
| 15     | Playback Function       | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom                                                               |
| 16     | Backup Mode             | USB Device/Network                                                                                                                                                                                                                  |
| 17     | Network Interface       | 4 RJ-45 Ports (10/100/1000Mbps)                                                                                                                                                                                                     |
| 18     | Ethernet Port           | 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports                                                                                                                                                             |
| 19     | Network Function        | IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS                                                                                                                                                                   |
| 20     | Optical Fiber Interface | 2 Giga Optical Fiber Interface (optional)                                                                                                                                                                                           |
| 21     | Interoperability        | ONVIF 2.4, CGI Conformant                                                                                                                                                                                                           |
| 22     | Internal HDD            | 16 SATA III Ports, Up to 10TB capacity for each HDD                                                                                                                                                                                 |
| 23     | HDD Mode                | Single, Raid 0/1/5/6/10                                                                                                                                                                                                             |
| 24     | eSATA                   | 1 eSATA Port (Please contact technical engineer to confirm the compatible device)                                                                                                                                                   |
| 25     | SAS                     | 2 Mini SAS Port, for Storage Expansion                                                                                                                                                                                              |
| 26     | USB                     | 4 USB Ports (2 USB 2.0 , 2 USB 3.0 )                                                                                                                                                                                                |
| 27     | Redundant power supply  | Supports                                                                                                                                                                                                                            |
| 28     | Fan                     | Redundant dual ball bearing fan; Speed adjustable; Hot-plug                                                                                                                                                                         |



|    |                      |                                             |
|----|----------------------|---------------------------------------------|
| 29 | RS232                | 1 Port, for PC Communication and Keyboard   |
| 30 | N+1 hot spare system | Supports                                    |
| 31 | Power Consumption    | 100 to 240 VAC, 550W                        |
| 32 | Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa |

Annexure-1E

**Specification for POE Switch for Camera**

| Sl No | Specifications                                                                                                                                                                               |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 24 Port Gigabit PoE L2 Giga Managed Switch  Make: Cisco  Product: SG350-28P                                                                                                                  |
| 2     | Warranty/Support: OEM's 5 Yrs Warranty support with onsite hardware replacement (inclusive of power supply and fans) and 24x7 software updates and upgrades during the 3 Yrs warranty period |

| Sl No | Specifications                                                                                                                                                                               |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 10 Port Gigabit PoE L2 Managed Switch  Make: Cisco  Product: SG350-10P                                                                                                                       |
| 2     | Warranty/Support: OEM's 5 Yrs Warranty support with onsite hardware replacement (inclusive of power supply and fans) and 24x7 software updates and upgrades during the 3 Yrs warranty period |

**Specification for SFP Trans Receiver**

| Sl No | Specifications                                                                                                                                                       |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 1000 Base-LX SFP Tran receiver for single mode fibre, 1310nm wave length, and support up to 10km. Cisco PoE.Switches Compatible SFP required. Make: Any Reputed Make |



## Specification of Cat 6 UTP 23 AWG UTP Cable

|                                                                                                                                                                                                                             |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Passive materials (Fiber & Cat6 UTP) Should be same make. The OEM should be ISO 9001:2008 & ISO 14001: 2004 Certified. Copy of ISO Certificates need to submit with the bid. Accepted brands are <b>Molex, Systimax</b> |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CAT 6 UTP components should have independent lab verification like ETL certificates. Need to submit the copy of certificates.                                                                                               |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OEM and their Brand quoted should have minimum 10 Years of Installation presence in India. Proof of Documents to be attached.                                                                                               |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Technical Specification</b>                                                                                                                                                                                              |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cat 6 UTP 23 AWG UTP Cable</b>                                                                                                                                                                                           |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1                                                                                                                                                                                                                           | Cat 6                                                  | Should meet minimum Category 6 requirements                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2                                                                                                                                                                                                                           | Type of Conductors and Grade                           | 4 Pair 23 AWG Solid Copper Conductors with FR Grade                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3                                                                                                                                                                                                                           | Frequency                                              | Characterised to 600Mhz                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4                                                                                                                                                                                                                           | Standards in Compliance with Third Party Certification | ETL Certified ANSI/TIA-568-C.2, ISO/IEC 11801 and EN50173-1 Category 6                                                                                                                                                                                                                                                                                                                                                                                          |
| 5                                                                                                                                                                                                                           | Performance Testing Compliance                         | Zero Bit Error Performance Testing by ETL                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6                                                                                                                                                                                                                           | Jacket                                                 | Fire Retardant PVC                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 7                                                                                                                                                                                                                           | Separator                                              | Incorporates central X-shaped polymer spine maintaining 4 pairs separation.                                                                                                                                                                                                                                                                                                                                                                                     |
| 8                                                                                                                                                                                                                           | Pull Thread / Strip Thread                             | Should have Cable Pull Tension Thread inside the UTP Cable                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9                                                                                                                                                                                                                           | Mechanical Characteristics                             | Conductor: Solid Bare Copper<br>AWG: 23<br>Conductor Dia Norm: 0.574<br>Insulation: PE<br>Average Thickness ( $\pm 0.03$ mm): 0.23<br>Min. Point Thickness (mm): 0.18<br>Insulation Dia. ( $\pm 0.05$ mm): 1.04<br>Twisting Lay Length (mm): 30 underneath<br>Cabling Lay Length ( $\pm 10$ mm): 140<br>Filler: PE<br>Average Thickness ( $\pm 0.05$ mm): 0.50<br>Min. Point Thickness (mm): 0.46<br>Outer Dia. ( $\pm 0.15$ mm): 6.20<br>Temperature: Max 75°C |
| 10                                                                                                                                                                                                                          | Certification                                          | UL Listed and ROHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11                                                                                                                                                                                                                          | Rating                                                 | CM - For Horizontal Cabling                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 12                                                                                                                                                                                                                          | Meter Marking                                          | Printed with every Feet Lengths of the UTP Cable                                                                                                                                                                                                                                                                                                                                                                                                                |
| 13                                                                                                                                                                                                                          | Color                                                  | Blue & Grey                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cat6 24 Port Loaded UTP Patch Panel 1U Height</b>                                                                                                                                                                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                                         |                                    |                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                       | Jack Connector                     | Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent<br>Operating Life: Minimum 750 insertion cycles<br>Contact Material: Copper Alloy<br>Contact Plating: 50µ" Gold/100µ" Nickel<br>Contact Force: 100g minimum<br>Plug Retention Force: 15 lb.<br>Operating Life: Minimum 200 reterminations<br>IDC Contact Plating: Tin/Lead Plate<br>Wire Accommodation: 22-24 AWG solid |
| 2                                                       | RJ45 I/O Compatibility             | Dlink-RJ45 Jack<br>Pointed IDC Tower on RJ45 Jack for easy termination<br>Half Plugged Patch Cord should be spitted out if not properly plugged in                                                                                                                                                                                                                                  |
| 3                                                       | Material                           | CRS - Cold Rollrd Steel (Thicknëss - 1.5mm) with ROHS Compliant                                                                                                                                                                                                                                                                                                                     |
| 4                                                       | Dust Proof                         | Each port features the patented spring-loaded shutter:<br>– prevents incomplete mating<br>– protects from dust and contaminants                                                                                                                                                                                                                                                     |
| 5                                                       | Dimension                          | 44mm H x 483mm W x 98mm D                                                                                                                                                                                                                                                                                                                                                           |
| 6                                                       | Rear Cable Manager                 | Flat type metal with Perforated Rear Cable Manager to hold CAT6 UTP Cable with velcro cable ties                                                                                                                                                                                                                                                                                    |
| 7                                                       | Labels                             | Should include labels with transparent clear label covers at the front and Port number at the back. 4 x 6 ganged jack configuration                                                                                                                                                                                                                                                 |
| 8                                                       | Commercial Standards:              | TIA/EIA-568-B.2-1 Component Compliant<br>FCC Subpart F 68.5 Compliant<br>IEC-603-7 Compliant<br>ISO 11801 Class E Compliant<br>ETL Verified for Category 6 Component Compliance                                                                                                                                                                                                     |
| <b>Cat 6 4-Pair UTP Patch Cords 1, 2, 3Mtrs (Molex)</b> |                                    |                                                                                                                                                                                                                                                                                                                                                                                     |
| 1                                                       | Mechanical Characteristics - Cable | Conductor size: 24 AWG stranded copper wire<br>Nom. O.D.: 5.9mm<br>Sheath: LSOH<br>Bend radius: 4X O.D.<br>Operating temperature range: -20°C to 60°C                                                                                                                                                                                                                               |
| 2                                                       | Mechanical Characteristics - Plug  | MIN operating life: 750 insertion cycles<br>RJ45 plug and boot material: Clear polycarbonate<br>Contact material: 0.35mm thick copper alloy<br>Contact plating: Selective gold<br>RJ45 plug dimensions compliant with:<br>ISO/IEC 60603-7-4 and<br>FCC 47 Part 68                                                                                                                   |



|                                                     |                                         |                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | Electrical Characteristics              | Max voltage: 150 VAC (max)<br>Max current: 1.5A @ 25°C                                                                                                                                                                                                                                                                       |
| 3                                                   | Boots                                   | Transparent Plug with anti-snap slip on boots                                                                                                                                                                                                                                                                                |
| 5                                                   | Sheath Standards                        | LSOH Sheath: CSA FT1, IEC 60332-1, IEC 61034                                                                                                                                                                                                                                                                                 |
| 6                                                   | Separator                               | Cross / Star Spine to separate 4Pairs Patch Cords                                                                                                                                                                                                                                                                            |
| 7                                                   | Standards                               | ETL Certified with ANSI/TIA-568-C.2, ISO/IEC 11801 Category 6                                                                                                                                                                                                                                                                |
| 8                                                   | Operating Temperature                   | -20 Degrees to +60 Degrees                                                                                                                                                                                                                                                                                                   |
| 9                                                   | Color                                   | OC=Red, OE=Grey, OH=Blue, OJ=Green, OK=Yellow,<br>OW=White, OP=Purple, ON=Orange                                                                                                                                                                                                                                             |
| <b>Cat 6 Information Outlet (Molex)</b>             |                                         |                                                                                                                                                                                                                                                                                                                              |
| 1                                                   | Type                                    | Cat 6 DataGate Plus jack is designed to maintain clean secure connections. The RJ-45 jack features 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback –the spring-loaded shutter pops out an improperly seated patch cord—all with single-handed plug-in and removal. |
| 2                                                   | Wire terminal                           | 200 termination cycles                                                                                                                                                                                                                                                                                                       |
| 3                                                   | Modular Jack                            | 750 mating cycles                                                                                                                                                                                                                                                                                                            |
| 4                                                   | Plastic Housing                         | Polycarbonate, UL94V-0 rated or equivalent                                                                                                                                                                                                                                                                                   |
| 5                                                   | IDC Contact Plating                     | Tin/Lead Plate                                                                                                                                                                                                                                                                                                               |
| 6                                                   | Dust Proof                              | Each port features the patented spring-loaded shutter in Jack:<br>– prevents incomplete mating<br>– protects from dust and contaminants                                                                                                                                                                                      |
| 7                                                   | ROHS/ELV                                | ROHS Compliant                                                                                                                                                                                                                                                                                                               |
| 8                                                   | Commercial Standards:                   | TIA/EIA-568-C.2 Component Compliant<br>FCC Subpart F 68.5 Compliant<br>IEC-603-7 Compliant<br>ISO 11801 Class E Compliant<br>ETL Verified for Category 6 Component Compliance & UL listed                                                                                                                                    |
| <b>cat6 Single / Dual / Quad Face Plate (Molex)</b> |                                         |                                                                                                                                                                                                                                                                                                                              |
| 1                                                   | Face Plate                              | Synergy Face plates 86 x 86mm. Colour of the Jack should be visible to identify the application of Data, Voice and Redundant Port                                                                                                                                                                                            |
| 2                                                   | Colour of the Face Plate                | White                                                                                                                                                                                                                                                                                                                        |
| 3                                                   | Grade                                   | Fire Retardant                                                                                                                                                                                                                                                                                                               |
| 4                                                   | Made of                                 | PS / ABS Rugged plastic with ROHS Compliant                                                                                                                                                                                                                                                                                  |
| 5                                                   | Face Plate should support Multiple Jack | Capable of supporting – UTP Jack, STP Jack, Fiber Coupler and Coax Connector.                                                                                                                                                                                                                                                |
| 6                                                   | Back Box                                | Back Box should be supplied as per Faceplate                                                                                                                                                                                                                                                                                 |

## Specification for 6 Core Single Mode OFC and accessories

| Sl no                                              | Specifications                            | Requirement                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                  | Cable Type                                | > 6Core Optical Fibre Cable, Single Mode, Unitube, Armoured, Gel filled cable.<br>> Complying to : ISO.IEC 11801 - 2nd Edition, type OS2; EIA/TIA 568-C.3.;ITU-T REC G 652D, IEC 60793/60794, TIA 568, EIA 455 spec.<br>> Suitable for use in direct burial, outdoor ducts and backbone cabling.     |
| 2                                                  | Armour                                    | Corrugated Steel Tape Armour -Thickness > 0.15mm                                                                                                                                                                                                                                                     |
| 3                                                  | Water Blocking                            | Thyrotrophic Gel (Tube), Petroleum Jelly (Interstices)                                                                                                                                                                                                                                               |
| 4                                                  | Attenuation                               | @ 1310nm <=0.35 db/Km MAX<br>@1550nm <=0.22 db/Km MAX                                                                                                                                                                                                                                                |
| 5                                                  | Attenuation Discontinuity                 | Both Windows <0.10dB                                                                                                                                                                                                                                                                                 |
| 6                                                  | Fibre protection(Tube)                    | Polybutylene Terephthalate (PBT)                                                                                                                                                                                                                                                                     |
| 7                                                  | Loose tube material                       | Single PBTP Loose tube filled with water blocking Thixotropic gel                                                                                                                                                                                                                                    |
| 8                                                  | Jacket material                           | UV Stabilised Polyethylene (HDPE)                                                                                                                                                                                                                                                                    |
| 9                                                  | Peripheral Strength Member                | Two Steel wires                                                                                                                                                                                                                                                                                      |
| 10                                                 | Tensile Strength                          | 1500N                                                                                                                                                                                                                                                                                                |
| 11                                                 | Crush Resistance                          | 2000N/10 cm                                                                                                                                                                                                                                                                                          |
| 12                                                 | Cable Diameter                            | 9 mm $\pm$ 10%                                                                                                                                                                                                                                                                                       |
| 13                                                 | Max. Bending Radius (during installation) | 20D                                                                                                                                                                                                                                                                                                  |
| 14                                                 | Fibre Identification                      | Colour coded                                                                                                                                                                                                                                                                                         |
| 15                                                 | Cable weight Kg/Km                        | 85 kg/km $\pm$ 10%                                                                                                                                                                                                                                                                                   |
| 16                                                 | Operating Temperature                     | .-20 Degree C to +70 Degree C                                                                                                                                                                                                                                                                        |
| 17                                                 | Cable Length Per Drum                     | 2.0 Km $\pm$ 10%. No Fibre in the Cable shall have any joint.                                                                                                                                                                                                                                        |
| 19                                                 | OEM Certification                         | OEM should have certification of ISO 9000:2008 or above and ISO 14001                                                                                                                                                                                                                                |
| <b>12Port Rack Mount Sliding Fiber Panel (LIU)</b> |                                           |                                                                                                                                                                                                                                                                                                      |
| 1                                                  | Rack Mount                                | Lockable 19" rack mounted with 1U height, Sliding Drawer Type with 4 Cable entry/exit points ( covered with rubber grommets)                                                                                                                                                                         |
| 2                                                  | Material                                  | Powder coated mild steel                                                                                                                                                                                                                                                                             |
| 3                                                  | Accommodation and Supports                | Accommodation of single mode cable multimode fibers<br>Capable of supporting SC and LC interface - For 24 Port with SC Adapter & 48 Port with LC Adapter Configurable. Fits up to four 6/12 pack plates/Angled 6 pack plates Management rings within system to accommodate excess fibre bend radius. |



|                                                                     |                     |                                                                                                                                                         |
|---------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4                                                                   | Compatibility       | Labelling for port identification, Fiber Management rings to accommodate excess fiber cordage behind the trough adapters and maintain fiber bend radius |
| 5                                                                   | Single Mode Pigtail | SC / LC LSOH Jacket - Reduces toxic / corrosive                                                                                                         |
|                                                                     |                     | 1.5 Mtrs length                                                                                                                                         |
|                                                                     |                     | 100% Factory polished, tested and Guaranteed Performance                                                                                                |
|                                                                     |                     | ROHS Compliant                                                                                                                                          |
| 6                                                                   | Fibre Adapter       | 2 x 6 Fiber SC Adapter or 1 x 12 Fiber LC Adapter. Rest part covered with Blank Kit                                                                     |
|                                                                     |                     | Fiber Adapters Compliant with:<br>ISO/IEC 11801, ANSI/TIA/EIA 568.B.3-2000, ANSI/TIA/EIA-492,<br>TELECORDIA GR-409, ICEA-596                            |
| 7                                                                   | Fibre Splice Tray   | Each LIU should splice tray                                                                                                                             |
| <b>SC SM Pigtail</b>                                                |                     |                                                                                                                                                         |
| 5                                                                   | Single Mode Pigtail | SC / LC LSOH Jacket - Reduces toxic / corrosive                                                                                                         |
|                                                                     |                     | 1.5 Mtrs length                                                                                                                                         |
|                                                                     |                     | 100% Factory polished, tested and Guaranteed Performance                                                                                                |
|                                                                     |                     | ROHS Compliant                                                                                                                                          |
| <b>SC-LC Single Mode OFC Patch Cords 9/125 Micron (3Mtrs Molex)</b> |                     |                                                                                                                                                         |
| 1                                                                   | Type of connectors  | SC or LC LSOH Jacket - Reduces toxic / corrosive                                                                                                        |
| 2                                                                   | Length              | Minimum 3 meters                                                                                                                                        |
| 3                                                                   | Polishing           | 100% Factory polished and tested                                                                                                                        |
| 4                                                                   | Insertion Loss      | Less than 0.35dB per connector                                                                                                                          |
| 5                                                                   | Attenuation         | 0.4dB/km over 1310nm to 1625nm                                                                                                                          |
| 6                                                                   | Standards           | ROHS Compliant                                                                                                                                          |
| 7                                                                   | Jacket colour       | Industry Standard Colour Yellow                                                                                                                         |
| 8                                                                   | Make and Type       | SC to LC Duplex Fibber Optic Patch Cord 9/125 Micron                                                                                                    |
| 9                                                                   | Cable Sheath        | LSZH                                                                                                                                                    |
| 10                                                                  | Cable Diameter      | 1.6 mm                                                                                                                                                  |
| 11                                                                  | Ferrule             | Ceramic                                                                                                                                                 |
| 12                                                                  | Buffer              | Tight buffered                                                                                                                                          |
| 13                                                                  | Temperature Range   | -.40 Degree C to +85 Degree C                                                                                                                           |
| 14                                                                  | Buffer Diameter:    | 900µm                                                                                                                                                   |
| 15                                                                  | Primary Coating :   | 245µm                                                                                                                                                   |
| 16                                                                  | Strength Member:    | Aramid Yarn                                                                                                                                             |
| 17                                                                  | Jacket Material:    | LSOH IEC 61034-1 & 2, IEC-60332-1, IEC-60754- 1 & 2                                                                                                     |

**Specification for HDPE Conduit**

| SI No | Specifications for HDPE Conduit           |
|-------|-------------------------------------------|
| 1     | 32 mm HDPE Pipe, Make : Any reputed brand |

**Specification for Hard Disk**

| SI No | 8 TB Hard Disk                                         |
|-------|--------------------------------------------------------|
| 1     | Hard Disk : 8TB Surveillance Hard Disk, Make : Seagate |

**Specification for PVC Pipe**

| SI No | ¾" 2" & 1" PVC Pipe ISI Mark                 |
|-------|----------------------------------------------|
| 1     | PVC Pipe with ISI Mark, Size: 2", 1", ½", ¾" |



## Specification for Display Unit

| Item                     | Make            | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 65 " LED Full HD Display | LG/Samsung/Sony | Size:65", Panel Technology: IPS, Aspect Ratio: 16:9, Native Resolution: 3840x2160(UHD), Brightness : 500cd/m2, Contrast Ratio : 1,000:1, Viewing Angel : (h x V) : 178 x 178, Operation Hours: 24 Hours, Orientation : Portrait & Landscape, Connectivity Input : HDMI, DP, DVI-D, Audio, USB 3.0, Connectivity Output : DP, Audio, External Speaker Out, External Control: RS232C, RJ45, IR Receiver, Pixel Sensor. Certification : UL / cUL / CB / TUV / KC, FCC Class "A" / CE / KCC, NA / EPA7.0 |

**BANK DETAILS**

Information to be given in company's letter head and attach the **Cross Copy of Cheque**. This is required for crediting the amount in the bank through RTGS.

| <b>A.</b>                 | <b>Party Details</b>                                          |  |
|---------------------------|---------------------------------------------------------------|--|
| 1.                        | Party Name (As Per Bank)                                      |  |
| 2.                        | Address                                                       |  |
| 3.                        | City                                                          |  |
| 4.                        | State                                                         |  |
| 5.                        | Pin Code                                                      |  |
| 6.                        | Telephone No. with Fax                                        |  |
| 7.                        | E-mail Address (for payment alerts)                           |  |
| <b>Party Bank Details</b> |                                                               |  |
| 10.                       | Bank Name                                                     |  |
| 11.                       | Bank Type (RBI/SBI/PSB/PVT.)                                  |  |
| 12.                       | Branch Name, Address with pin code and Telephone Nos.         |  |
| 13.                       | Branch Code                                                   |  |
| 14.                       | Bank Account No. (as appearing on the Cheque Book)            |  |
| 15.                       | Account Type (S.B. Account/ Current Account/Cash Credit etc.) |  |
| 16.                       | Ledger No.                                                    |  |
| 17.                       | 7-Digit Bank BSR Code No.*                                    |  |
| 18.                       | 9-Digit MICR Code No.                                         |  |
| 19.                       | 12-Digit IFSC Code No.                                        |  |

**\*BSR Code is Mandatory.**

**Signature of the Investor/Customer with date**

Certified that the particulars furnished above at Sl. No. 10 to 19 are correct as per our records.

**Signature of the Authorized Official from the Bank**



DECLARATION

I, \_\_\_\_\_ Son/Daughter of

Sh. \_\_\_\_\_

Proprietor/Partner/Director/ Authorised Signatory of M/s \_\_\_\_\_ am  
competent to sign the declaration and execute this tender document;

I have carefully read and understood all the terms and conditions of the tender which are fully acceptable to me.

The information/documents furnished along with the above tender are true and authentic to the best of my knowledge and belief. I/we am/are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

Date:

(Signature of Authorised Person)

Place:

Full Name:

Seal:

Note: 1. The above declaration, by the authorized signatory of the bidder in token of acceptance of the terms and conditions should be enclosed with Technical Bid.

2. The above declaration can also be made on the letter head of bidder.

| CCTV Installation Points in the D M School |                                                                  |             |     |      |        |
|--------------------------------------------|------------------------------------------------------------------|-------------|-----|------|--------|
| Sl. No                                     | Location                                                         | IR Distance | PTZ | Dome | Bullet |
| 1                                          | Reception Area at Main School Entrance                           | 30 meter    |     | 1    |        |
| 2                                          | Main Entrance to AV Room Staircase                               | 30 meter    |     |      | 2      |
| 3                                          | From Office to Library Varandah Area                             | 30 meter    |     |      | 2      |
| 4                                          | Main Entrance Staircase                                          | 30 meter    |     | 1    |        |
| 5                                          | Room No - 7 to 11 (5 Class rooms)                                | 30 meter    |     | 10   |        |
| 6                                          | Room No - 39 to 43 (5 Class rooms)                               | 30 meter    |     | 10   |        |
| 7                                          | Room No - 58 to 60 (3 Class rooms)                               | 30 meter    |     | 6    |        |
| 8                                          | Room No - 66 to 70 (5 Class rooms)                               | 30 meter    |     | 10   |        |
| 9                                          | Room No - 71 to 75 (5 Class rooms)                               | 30 meter    |     | 10   |        |
| 10                                         | Assembly Area                                                    | 30 meter    | 1   |      |        |
| 11                                         | Assembly Area                                                    | 30 meter    |     |      | 1      |
| 12                                         | Library Reading Room                                             | 30 meter    |     | 2    |        |
| 13                                         | Library 2nd room                                                 | 30 meter    |     | 2    |        |
| 14                                         | Primary Building Entry near Staircase                            | 30 meter    |     | 2    |        |
| 15                                         | Primary Varandah in front of R No.63&64                          | 30 meter    |     |      | 1      |
| 16                                         | Primary SCR Varandah upto R No. 1 to 4                           | 30 meter    |     |      | 2      |
| 17                                         | Primary Varandah (R. No. 5 to 62)                                | 30 meter    |     |      | 2      |
| 18                                         | Primary Toilet Area                                              | 30 meter    |     | 1    |        |
| 19                                         | Primary Children Park                                            | 30 meter    |     |      | 2      |
| 20                                         | All Primary Class Rooms (10 rooms)                               | 30 meter    |     | 20   |        |
| 21                                         | Primary Building 1st Floor Staircase Area                        | 30 meter    |     | 1    |        |
| 22                                         | Primary Building 1st Floor Corridor (R. No. 67 to Staircase)     | 30 meter    |     |      | 1      |
| 23                                         | Primary Building 1st Floor Corridor (R. No. 67 to 75)            | 30 meter    |     |      | 1      |
| 24                                         | Primary Building 1st Floor Corridor (R. No. 70 to activity room) | 30 meter    |     |      | 1      |
| 25                                         | Activity Room Primary Building                                   | 30 meter    |     |      | 2      |
| 26                                         | Technology Varandah                                              | 30 meter    |     |      | 2      |
| 27                                         | Composite Science Lab                                            | 30 meter    |     | 2    |        |
| 28                                         | Staircase Near AV Room                                           | 30 meter    |     | 1    |        |
| 29                                         | AV Room - Commerce Room Corridor                                 | 30 meter    |     |      | 2      |
| 30                                         | AV Room                                                          | 30 meter    |     | 2    |        |
| 31                                         | Odia Room                                                        | 30 meter    |     | 1    |        |
| 32                                         | Electronics Lab                                                  | 30 meter    |     |      | 2      |
| 33                                         | Commerce Room                                                    | 30 meter    |     |      | 2      |
| 34                                         | Cycle Stand Area                                                 | 30 meter    |     |      | 2      |
| 35                                         | Geography Room                                                   | 30 meter    |     | 2    |        |
| 36                                         | Agriculture Room                                                 | 30 meter    |     | 2    |        |



|              |                                           |          |  |          |            |
|--------------|-------------------------------------------|----------|--|----------|------------|
| 37           | Chemistry Lab                             | 30 meter |  | 2        |            |
| 38           | Biology Lab                               | 30 meter |  | 2        |            |
| 39           | Physics Lab                               | 30 meter |  | 2        |            |
| 40           | NCC Room Area                             | 30 meter |  | 1        |            |
| 41           | Staircase Near Biology Lab                | 30 meter |  | 1        |            |
| 42           | Garden Area in front of Bio Lab           | 30 meter |  |          | 1          |
| 43           | Ground Floor Lab Corridor                 | 30 meter |  |          | 1          |
| 44           | Corridor Area (R No.60 to Computer Lab1)  | 30 meter |  |          | 2          |
| 45           | Staircase Near Physics Lab                | 30 meter |  | 1        |            |
| 46           | Pre-Primary Room to Computer Lab-1        | 30 meter |  |          | 1          |
| 47           | Corridor Area (R No.43 to Computer Lab-2) | 30 meter |  |          | 2          |
| 48           | Room No -33                               | 30 meter |  | 1        |            |
| 49           | Pre-Primary Room                          | 30 meter |  |          | 2          |
| 50           | Computer Lab-1                            | 30 meter |  | 2        |            |
| 51           | Computer Lab-2                            | 30 meter |  | 2        |            |
| 52           | Infront of HM Chamber                     | 30 meter |  | 1        |            |
| 53           | Exam. Room                                | 30 meter |  | 1        |            |
| 54           | Outside Cycle Stand                       | 30 meter |  |          | 3          |
| <b>Total</b> |                                           |          |  | <b>1</b> | <b>102</b> |
|              |                                           |          |  |          | <b>36</b>  |

| Bill of Material                                     |      |
|------------------------------------------------------|------|
| Item Description                                     | Qty. |
| 4 MP 30x IP PTZ Camera                               | 1    |
| 6 MPIP Bullet Camera 40 M                            | 36   |
| 6 MPIP Dome Camera 30 M                              | 102  |
| 128 Ch. Network Video Recorder(NVR)                  | 2    |
| 8 TB Surveillance HDD                                | 20   |
| 65" Commercial Display Panel                         | 1    |
| 24 Port PoE Switch                                   | 6    |
| 10 Port PoE Switch                                   | 3    |
| 6 U Network Rack                                     | 9    |
| I/O Box Loaded Single Face Plate                     | 140  |
| 6 Core OFC SM Armoured                               | 2000 |
| HDPE Pipe 32 mm                                      | 2000 |
| Cat 6 Patch Panel Loaded                             | 9    |
| Cat 6 UTP Cable (305 Mtr.) Roll                      | 12   |
| Cat 6 Utp Patch Cord 1 Mtr.                          | 300  |
| 12 Port LIU loaded                                   | 6    |
| SFP Trans Receiver                                   | 6    |
| SC SM Pigtail 1.5 Mtr.                               | 12   |
| SC-LC Single Mode OFC Patch Cords 9/125 Micron 3Mtrs | 12   |
| 3/4" PVC Pipe ISI Mark (10Ft. Length) Each           | 150  |
| 1" PVC Pipe ISI Mark (10Ft. Length) Each             | 150  |
| 2" PVC Pipe ISI Mark (10Ft. Length) Each             | 50   |
| OFC Splicing Charges Per core                        | 72   |
| Cat 6 Cable Laying Charges per mtr.                  | 3000 |
| OFC Digging & Laying Charges                         | 2000 |



| Finance Bid |                                                                       |              |              |            |      |          |      |           |           |
|-------------|-----------------------------------------------------------------------|--------------|--------------|------------|------|----------|------|-----------|-----------|
| Sl.No.      | Item Description                                                      | HSN/SAC Code | Make & Model | Unit Price | Qty. | Amt. Rs. | GST% | GST Value | Total Rs. |
| 1           | 4 MP 25x IP PTZ Camera                                                |              |              |            | 1    |          |      |           |           |
| 2           | 6 MPIP Bullet Camera 40 M                                             |              |              |            | 36   |          |      |           |           |
| 3           | 6 MPIP Dome Camera 30 M                                               |              |              |            | 102  |          |      |           |           |
| 4           | 128 Ch. Network Video Recorder(NVR)                                   |              |              |            | 2    |          |      |           |           |
| 5           | 8 TB Surveillance HDD                                                 |              |              |            | 20   |          |      |           |           |
| 6           | 65" Commercial Display Panel                                          |              |              |            | 1    |          |      |           |           |
| 7           | 24 Port PoE Switch                                                    |              |              |            | 6    |          |      |           |           |
| 8           | 10 Port PoE Switch                                                    |              |              |            | 3    |          |      |           |           |
| 9           | 6 U Network Rack                                                      |              |              |            | 9    |          |      |           |           |
| 10          | I/O Box Loaded Single Face Plate                                      |              |              |            | 109  |          |      |           |           |
| 11          | 6 Core OFC SM Armoured                                                |              |              |            | 2000 |          |      |           |           |
| 12          | HDPE Pipe 32 mm                                                       |              |              |            | 2000 |          |      |           |           |
| 13          | Cat 6 Patch Panel Loaded                                              |              |              |            | 9    |          |      |           |           |
| 14          | Cat 6 UTP Cable (305 Mtr.) Roll                                       |              |              |            | 12   |          |      |           |           |
| 15          | Cat 6 Utp Patch Cord 1 Mtr.                                           |              |              |            | 300  |          |      |           |           |
| 16          | 12 Port LIU loaded                                                    |              |              |            | 6    |          |      |           |           |
| 17          | SFP Trans Receiver                                                    |              |              |            | 6    |          |      |           |           |
| 18          | SC SM Pigtail 1.5 Mtr.                                                |              |              |            | 12   |          |      |           |           |
| 19          | SC-LC Single Mode OFC Patch Cords 9/125 Micron 3Mtrs                  |              |              |            | 12   |          |      |           |           |
| 20          | 3/4" PVC Pipe ISI Mark (10Ft. Length) Each                            |              |              |            | 150  |          |      |           |           |
| 21          | 1" PVC Pipe ISI Mark (10Ft. Length) Each                              |              |              |            | 150  |          |      |           |           |
| 22          | 2" PVC Pipe ISI Mark (10Ft. Length) Each                              |              |              |            | 50   |          |      |           |           |
| 23          | OFC Splicing Charges Per core                                         |              |              |            | 72   |          |      |           |           |
| 24          | Cat 6 Cable Laying Charges per mtr.                                   |              |              |            | 3000 |          |      |           |           |
| 25          | OFC Digging & Laying Charges                                          |              |              |            | 2000 |          |      |           |           |
| 26          | Installation of Camera, NVR with other Device and integration (Total) |              |              |            | LOT  |          |      |           |           |
|             |                                                                       |              |              |            |      |          |      | Total Rs. | 0.00      |

In words :

N.B: Total budget allocated for the project is Rs.35.00 lakh. If the Tender cost will be more than the allocated cost, the Lowest-1 firm will be awarded the Tender up to Rs.35.00 lakh only adjusting the cameras.

BoQ\_Ver3.1

Item Wise

Normal

Item Wise BoQ

INR Only INR

Select, Excess (+), Less (-)

Tender Inviting Authority: <Enter Tender Inviting Authority Details>

Name of Work: < Enter Name Of the Works Details >

Contract No: <Enter Contract No Details >

|                                                    |  |
|----------------------------------------------------|--|
| Name of the Bidder/<br>Bidding Firm /<br>Company : |  |
|----------------------------------------------------|--|

| NUMBER # | TEXT #                              | TEXT #                                                  | NUMBER # | TEXT # | NUMBER                  | NUMBER | TEXT | TEXT #               | NUMBER #                    |
|----------|-------------------------------------|---------------------------------------------------------|----------|--------|-------------------------|--------|------|----------------------|-----------------------------|
| Sl. No.  | Item Description                    | Item Code / Make                                        | Quantity | Units  | Estimated Rate in Rs. P |        |      | Addition / Deduction | Addition / Deduction Values |
| 1        | 2                                   | 3                                                       | 4        | 5      | 6                       | 7      | 8    | 9                    | 10                          |
| 1        | PTZ Camera                          | Sony, Bosch, Hikvision, Panasonic                       | 1        |        |                         |        |      |                      |                             |
| 2        | Bullet Camera                       | Sony, Bosch, Hikvision, Panasonic                       | 36       |        |                         |        |      |                      |                             |
| 3        | Dome Camera                         | Sony, Bosch, Hikvision, Panasonic                       | 102      |        |                         |        |      |                      |                             |
| 4        | 128 Ch. Network Video Recorder(NVR) | Sony, Bosch, Hikvision, Panasonic (With Audio Recorder) | 2        |        |                         |        |      |                      |                             |
| 5        | 8 TB Surveillance HDD               | Seagate                                                 | 20       |        |                         |        |      |                      |                             |
| 6        | 65" Commercial Display Panel        | LG, Sansung, Sony                                       | 1        |        |                         |        |      |                      |                             |
| 7        | 24 Port PoE Switch                  | Cisco                                                   | 6        |        |                         |        |      |                      |                             |
| 8        | 10 Port PoE Switch                  | Cisco                                                   | 3        |        |                         |        |      |                      |                             |
| 9        | 6 U Network Rack                    | Net Rack                                                | 9        |        |                         |        |      |                      |                             |
| 10       | I/O Box Loaded Single Face Plate    | Molex                                                   | 140      |        |                         |        |      |                      |                             |
| 11       | 6 Core OFC SM Armoured              | Molex, Syxtimax                                         | 2000     |        |                         |        |      |                      |                             |
| 12       | HDPE Pipe 32 mm                     | ISI Mark                                                | 2000     |        |                         |        |      |                      |                             |



|                               |                                                                          |          |      |        |  |  |  |  |  |
|-------------------------------|--------------------------------------------------------------------------|----------|------|--------|--|--|--|--|--|
| 13                            | Cat 6 Patch Panel Loaded                                                 | Molex    | 9    |        |  |  |  |  |  |
| 14                            | Cat 6 UTP Cable (305 Mtr.) Roll                                          | Molex    | 12   |        |  |  |  |  |  |
| 15                            | Cat 6 Utp Patch Cord 1 Mtr.                                              | Molex    | 300  |        |  |  |  |  |  |
| 16                            | 12 Port LIU loaded                                                       | Molex    | 6    |        |  |  |  |  |  |
| 17                            | SFP Trans Receiver                                                       | Cisco    | 6    |        |  |  |  |  |  |
| 18                            | SC SM Pigtail 1.5 Mtr.                                                   | Molex    | 12   |        |  |  |  |  |  |
| 19                            | SC-LC Single Mode OFC Patch Cords<br>9/125 Micron 3Mtrs                  | Molex    | 12   |        |  |  |  |  |  |
| 20                            | 3/4" PVC Pipe ISI Mark (10Ft. Length)<br>Each                            | ISI Mark | 150  |        |  |  |  |  |  |
| 21                            | 1" PVC Pipe ISI Mark (10Ft. Length)<br>Each                              | ISI Mark | 150  |        |  |  |  |  |  |
| 22                            | 2" PVC Pipe ISI Mark (10Ft. Length)<br>Each                              | ISI Mark | 50   |        |  |  |  |  |  |
| 23                            | OFC Splicing Charges Per core                                            | Molex    | 72   |        |  |  |  |  |  |
| 24                            | Cat 6 Cable Laying Charges per mtr.                                      | Molex    | 3000 |        |  |  |  |  |  |
| 25                            | OFC Digging & Laying Charges                                             |          | 2000 |        |  |  |  |  |  |
| 26                            | Installation of Cameras, NVR with<br>other device and Integration(Total) |          |      |        |  |  |  |  |  |
| <b>Total in Figures</b>       |                                                                          |          |      |        |  |  |  |  |  |
| <b>Quoted Rate in Figures</b> |                                                                          |          |      | Select |  |  |  |  |  |
| <b>Quoted Rate in Words</b>   |                                                                          |          |      |        |  |  |  |  |  |