



COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

Anusandhan Bhawan, Rafi Marg, New Delhi-110001 [INDIA]

OPEN TENDER NOTICE

The Joint Secretary (Admn.), CSIR invites tenders in closed/sealed covers with wax/cello tape/ company seal under two bid systems from the reputed Manufacturers or their Sole Authorized Dealers/Distributors/Agents for the supply of the following item(s):

S. NO.	TENDER NO.	BRIEF DETAILS OF ITEM(S)	QTY	EMD (In `)
1.	13-2(26)/2014-15/Pur	Supply installation and commissioning of IP based surveillance system at Anusandhan Bhawan, Rafi Marg, New Delhi.	One No.	2.00 Lacs

Tender Document with complete terms & conditions, technical specifications etc. can be downloaded from CSIR website <http://www.csir.res.in> free of cost. Last date of receipt of complete tender(s) is **November 21, 2014 up to 03.00 P.M. (IST)**. The date of opening of technical bid(s) is **November 21, 2014 at 03.30 P.M. (IST)** onwards in the presence of tenderer who wish to be present. In this regard a pre-bid conference is being organised in Anusandhan Bhawan, Rafi Marg, New Delhi-110001 on **October 31, 2014 from 2.30PM(IST)** onwards. Interested tenderers may send their queries for clarifications/comments by email to surenderkumar@csir.res.in latest by **October 29, 2014**. Interested tenderers may also inspect the site of installation of the surveillance system on 27th and 28th October, 2014.

Further corrigendum/amendments, if any, will be posted in CSIR website: <http://www.csir.res.in>

Dated: 15.10.2014

(Stores & purchase officer)



COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

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October 15, 2014

TENDER DOCUMENT FOR OPEN TENDER

(GENERAL TERMS & CONDITIONS INCLUDING INSTRUCTION TO BIDDERS AND CONDITIONS OF CONTRACT)

1. **GENERAL:** Quotations in closed cover under two bid system are invited on behalf of the Joint Secretary (admn.), CSIR- Council of scientific & industrial research (CSIR), New Delhi from the reputed Indian and foreign manufacturer. **The offer/ quotation must be strictly as per required specifications and the tender terms & conditions.**

ELIGIBILITY CRITERIA: *The Bidders should comply fully with the General Tender Terms & Conditions and Technical Specifications in the tender documents.*

2. **PREPARATION AND SUBMISSION OF OFFERS:**

- a) Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per **Annexure-‘F’**.

One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.

- b) In case a bidder is not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.
- c) The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.
- d) The bidder should not indulge in any corrupt, fraudulent, collusive, coercive practices during the entire process of procurement and execution of contract/order.
- e) Before the deadline for submission of the bid, CSIR reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be notified to bidders receiving the bidding document in writing or by cable/fax/ email and will also be hosted on CSIR website.
- f) Conditional tenders will be summarily rejected.
- g) A bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice signed by the authorized signatory before the date of submission of the bid. Any re-submission or modification in the bid should be submitted before the date & time of submission of bid as originally conveyed in the invitation of bid.
- h) No bid may be withdrawn, substituted or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form or any extension thereof.
- i) In case of (g) above, first envelope marked “WITHDRAWAL” shall not be opened, but returned to the Bidder subject to submission of valid authorization to request the withdrawal. In case of substituted and modified bid, only the substituted bids and modified bids will be opened subject to production of authorization from the bidders.
- j) The quotation should be addressed to the Joint Secretary (admn.), Council of scientific & industrial research, Anusandhan Bhawan Rafi Marg, New Delhi-01 and sent to the Stores & purchase officer.
- k) Each offer/quotation should be kept in separate envelope against each item of the tender notice.
- l) For items covered under Two-Bid -Tender System, quotation/offer should be submitted in two separate envelopes containing Techno-Commercial bid and Price bid and these put in one envelope. \
- m) The outer cover containing the offer/quote must be super-scribed only with the respective Tender No. (NOT the Open/Global Tender Notice No.), Due Date and Date of Opening of tender.

n) **The offers must contain** the following documents :-

(A) Techno-commercial offers must contain:

- (i) Manufacturer authorization (as per clause 2(a)) as per **Annexure –‘F’**.
- (ii) Certificate by bidder not doing business in India as per clause 2(b).
- (iii) Technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.
- (iv) Compliance statement/questionnaire of tender terms and conditions as per **Annexure-‘A’**
- (v) Compliance statement of specifications as per **Annexure- ‘B’**
- (vi) Bid Security/EMD (as per clause -4) as per **Annexure- ‘C’**
- (vii) In case of exemption from submission of Bid security, proof of registration with DGS&D/NSIC as per clause (4(a)).
- (viii) Copies of previous supply orders (as per clause 9(c) and clause 24) as per **Annexure –‘G’**.
- (ix) Details of supplies of similar equipments as per clause 9(d).

(B) Price Bid offers must contain: (Only in case of two bid system)

- (i.) Bid price as per clause 5 in format enclosed as **Annexure- ‘D’** or **Annexure- ‘E’** as applicable.
- (ii.) Certificate of price reasonability as per clause 9(b).

3. DUE & OPENING DATES:

The Offer/Quotations must reach at CSIR Hqrs on or before November 21, 2014 up to 3:00 pm. The technical bids will be opened at 3:30 pm on November 21, 2014 in the presence of bidders, who wish to present themselves at the time of opening of tender. In case opening date happens to be a holiday, the tender will be opened on next working day at the same time & location. The price bids of two bid tender system shall be opened after technical evaluation of technical bids. The date of opening of price bids shall be informed to the bidders found suitable in technical evaluation. No request for extension in the date of submission & opening of tender will be entertained. However CSIR, may at its discretion, extend the deadline for submission of bids under intimation to bidders.

In this regard a pre-bid conference is being organised in Anusandhan Bhawan, Rafi Marg, New Delhi-110001 on **October 31, 2014 from 2.30PM(IST)** onwards. Interested tenderers may send their queries for clarifications/comments by email to surenderkumar@csir.res.in latest by **October 29, 2014**. Interested tenderers may also inspect the site of installation of the surveillance system on 27th and 28th October, 2014.

4. EARNEST MONEY DEPOSIT (EMD):

- a. EMD in the form of Bank guarantee (**As per format enclosed as ANNEXURE- ‘C’**) or Term Deposit Receipt/FDR or Bank Draft of a scheduled bank pledged in the name of Joint Secretary (admn.), CSIR, New Delhi **valid for 180 days** from the date of opening of the tender for the required amount as mentioned in the tender notice separate for each item must be submitted along with the quotation (with the techno- commercial quotation in case of two-bid system and photocopy of the same enclosed with the price bid. The firm registered with DGS&D/NSIC as manufacturer for the supply of the same category of item for which the party is submitting quotation will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their quotation. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of concerned item. The party must therefore, submit a pre-receipted Bill in triplicate along with the quotation (in case of EMD sent in form of Bank Draft) to enable us to refund their EMD.
- b. The bid security /EMD may be forfeited if a bidder withdraws or amends or impairs or derogates its bid during the period of bid validity.

5. PRICES

Bid prices should be filled in the appropriate format enclosed as **Annexure ‘D’ and ‘E’**.

ALL THE BIDDERS SHOULD QUOTE PRICES FOR EACH AND EVERY ITEM SEPERATELY ALONG WITH THE CONSOLIDATED PRICES APPLICABLE FOR BOTH INDIGENOUS AND IMPORTED ITEMS.

A. For goods manufactured in India:

- (i) The price of goods quoted Ex-Works including taxes already paid.
- (ii) VAT and other taxes like excise duty etc. which will be payable on the goods if the contract is awarded.
 - (a) The charges for inland transportation, insurance and other local service required for delivering the goods at the desired destination as specified in the price schedule form.
 - (b) The installation, commissioning and training charges including any incidental services, if any.

B. For Goods manufactured abroad:

- (i) The price of the goods, quoted on FCA (Named place of delivery abroad) or FOB (Named port of shipment), as specified in the schedule form.
- (ii) The charges for insurance and transportation of the goods to the port/place of destination.
- (iii) The agency commission charges, if any.
- (iv) The installation, commissioning and training charges including any incidental services, if any.

- C.** We are exempted from payment of Excise Duty under notification number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996. **Hence Excise Duty and Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.**
- D. Sales Tax:** We are not authorized to issue any Sales Tax Form 'C' & 'D'. However, being R&D Organization concessional Sales Tax Forms can be issued, if it is applicable in your states from where the material is being supplied.

6. VALIDITY OF OFFER :

The prices must be valid at least for a period of **90 days for indigenous supplies & 180 days for imports** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later.

7. EVALUATION OF BIDS: Before submission of bid, the bidder is expected to examine all the instructions, forms, terms and specifications in the bidding document and should ensure that the following conditions are fulfilled:

- a) Bidder Information form as per **Annexure-‘H’**.
- b) The price schedule should be enclosed and must be signed.
- c) The bid validity should not be shorter than required.
- d) The manufacturer’s authorization should be enclosed in case the bidder is authorized dealer/ distributor.
- e) The bidders should agree to provide the Performance Security.
- f) The quoted goods should be as per required specifications.
- g) In case the bid is substantially responsive, the purchase may request that bidder may submit the necessary information, documentations, within a reasonable period of time, to rectify, non-material, non-conformities or omission in the bid related to documentation requirements. Failure of the bidders to comply with the request may result in the rejection of its bids. But in case of the material deviation/reservation or omission which limits or is inconsistent with the bidding documents and the Purchaser’s Rights or Bidders obligation under the contract or which if rectified, would unfairly affect the other bidders, the bid will be rejected.
- h) The Purchaser shall correct arithmetical errors on the following basis:
 - (i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
 - (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (iii) If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- i) Selling exchange rate/equivalent to Indian currency will be as on the date of bid opening in the case of single bidding and the rate on the date of opening of the priced bids in the case of two-part bidding.
- j) The bids shall be evaluated on the basis of final landing cost as per **Annexure –‘D’** in case of import and **Annexure –‘E’** in case of indigenous items.
- k) The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However the CIF/CIP prices quoted by any foreign bidders shall be loaded further as under :
 - (a) Towards customs duty and other statutory levies-as per applicable rates.
 - (b) Towards custom clearance, inland transportation etc. – 2% of the CIF/CIP value.
- l) Where the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF/CIP basis only.
- m) The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of the purchaser, the quantities in the contract may be enhanced by 30% within the delivery period.
 - (n) All items indicated in the schedule of requirements and price schedules must be quoted failing which the bid shall be summarily rejected.
 - (o) Bids will be compared and evaluated on the basis of total bid-wise overall lowest quote for all items in annexure “D” and “E”

8. The Vague terms like “packing, forwarding, transportation..... etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. **Such offers shall be treated as incomplete and rejected.**

9. REASONABILITY OF PRICES :

- a) Please quote best minimum prices applicable for a premiere Research Institution, **leaving no scope for any further negotiations on prices.**
- b) **The quoting party should give a certificate to the effect that** the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to CSIR to any other customer nor they will do so till the validity of offer or execution of the purchase order, which ever is later.
- c) Copies of **at least last three supply orders of the last 3 years** received from other customers along with details of such supply orders preferably in India for the same item/model **may be submitted with the offer** giving reasons of price difference of their supply order & those quoted to us, if any. (As per **Annexure –‘G’**).
- d) The party must give details of identical or similar equipment, if any, supplied to any CSIR lab during last three years along with the final price paid and Performance certificate from them.

10. **ANNUAL MAINTENANCE CHARGES:** The party **must** mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.
11. **SPECIFICATIONS:**
- A. Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that **merely copying our specifications** in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected/supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party
- B. **The technical bid shall be evaluated for acceptability by the technical committee and may call the tenderers for discussion. If necessary, the committee may modify the technical specification to suit the CSIR requirement. In such case the opportunity shall be given to the participating bidders for submitting the revised bid as per modified specifications, if any.**
12. **COMPLIANCE STATEMENTS:**
- a) **Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at ANNEXURE-‘B’.** The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- b) Similarly, **the Compliance Statement/questionnaire for Terms & Conditions of the tender may be furnished, as per the enclosed format at Annexure –‘A’**, along with quotation (with techno- commercial bid in case of two bid tender system).
- c) The firms are advised to submit both the compliance statements essentially along with their quotation failing which their offer may not be considered.
13. **PERIOD & MODE OF DELIVERY:** **The delivery period is the essence of supply; hence** it must be indicated specifically in the quotation. Mode of delivery, tentative size and weight of consignment may also be indicated in the quotation.
14. **PERFORMANCE SECURITY:** All the successful bidders will have to submit the Performance Bank Guarantee or establish a Standby Letter of Credit (SLOC) or a Bankers cheque / or FDR pledged in favour of JOINT SECRETARY (ADMN.), CSIR for required amount as per payment terms mentioned at clause 15 below except where supplier opts for release of amount equivalent to PBG after expiry of warranty period. The PBG format shall be provided to the successful bidder later on along with the purchase order.
15. **PAYMENT CONDITION:**
- A. **FOR INDIGENEOUS SUPPLIES:**
Payment on Bill Basis after supply: For local supplies the payment will be made only after satisfactory installation, commissioning and performance of the equipment at CSIR, New Delhi and after certification by our technical expert/scientist. However, supplier will be required either to submit performance bank guarantee (PBG) for **10%** amount of the total value of equipment, after installation of the material, valid up to 60 days after the expiry of warranty period or the equivalent amount shall be released after expiry of the satisfactory warranty period.
- B. **FOR IMPORTS:**
The payment against imports shall be made through irrevocable L/C. **L/C will be opened for 100% FOB value. 90% of L/C** amount shall be released on presentation of complete and clear shipping documents and remaining **10%** shall be released after satisfactory installation/demonstration/commissioning, subject to submission of 10% PBG to cover the warranty period. The PBG should remain valid up to 60 days after the expiry of warranty period. **In case of non-submission of PBG after installations/demonstration/commissioning, remaining payment i.e. 10% will be released only after the completion of warranty period.**
Agency commission, if any, has to be declared by Indian Agent in advance.
16. **COMMENCEMENT OF WARRANTY PERIOD:** The warranty period of an item shall commence after receipt of the items in good working condition and from the date of its satisfactory installation/commissioning/demonstration at the project site in CSIR, New Delhi. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.
17. **NO ADVANCE PAYMENT:** No advance payment will be made to any supplier.
18. **INSTALLATION:** **The equipment should be installed/commissioned and demonstrated, by the supplier at CSIR immediately** but in any case within **TWO MONTHS** after receipt of the item in CSIR and the same will be put under operation to the satisfaction of our technical expert/Scientist who will test the performance of the equipment. **No separate charges for installation etc. will be paid to the party beyond the quoted prices.**
19. **GUARANTEE/WARRANTY:** The equipment/instrument must be guaranteed/warranted for a period of at **least one year, if not specifically mentioned otherwise in the specifications sheet, from the date of its satisfactory installation/commissioning** against all manufacturing defects. If the equipment is found defective during this period the whole equipment or part thereof will have to be replaced/repared by the supplier free of cost at the CSIR or at site of the supplier for which ‘to and fro’ expenses will be borne by the supplier. However, if the items are guaranteed for a period of more than one year, it may be specifically mentioned in the quotation.
20. **SPARE PARTS:** Availability of spare parts of the equipment/instrument must be guaranteed for a period of at least seven years from the date of supply.
21. **AFTER SALES SERVICES:** It should be clearly mentioned in the quotation whether the after sales services during and after the completion of warranty shall be provided directly by the supplier or their authorized agent/representative. Terms of the after sales services, if any, may be mentioned in the offer. However, in both the cases the original supplier shall be responsible for poor performance/services.

22. INSPECTION :

- a) The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.
- b) In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the CSIR. Or CIF basis till satisfactory installation of the system.
- c) The supplier **should arrange for physical inspection of the items directly or through their authorized representative within seven days of arrival of the consignment failing which they will be responsible for the losses.** After the shipment is effected, the supplier/its representative/Indian agents must remain in touch with the lab/instt. to ascertain the date of arrival of consignment.

23. AUTHORIZATION OF INDIAN AGENTS & INDIAN REPRESENTATIVE:

- a) In case there is involvement of an /Indian agent/representative in any form as mentioned at (b) below, an authority letter / copy of agreement from the principal manufacturer must be submitted with the quotation.
- b) Where quoting party/Indian representative claims to be the subsidiary or branch office or an authorized representative of the principal foreign manufacturer/supplier in India, then a copy of approval from RBI/Ministry for operating business in India as Subsidiary/Branch/Liaison office or Joint-Venture may be submitted with offer.
- c) The details of all supplies involving the foreign exchange shall be furnished to the Enforcement Directorate, New Delhi as per rule. It may be noted that only the quoting parties & their principals shall be responsible for violation of Foreign Exchange Management Act (FEMA) for not declaring the actual bilateral mutual interests, if any.
- d) Indian agency commission shall be paid only to the Indian Agents in Indian Rupee out of the quoted FOB/Ex-works prices, after receipt of goods in good working condition & satisfactory installation/demonstration/commissioning of the items.

24. USERS LIST :

- a) The list of users specifically for the same model/make of the quoted item (not the list of general users) along with the complete name, address & contact numbers of the user organizations/persons may be submitted with the quotation along with the performance certificates from all/some of them.
- b) **If you have supplied identical or similar equipment to other CSIR Labs/Instts., the details of such supplies for the preceding three years shall be given together with the prices finally paid.**

25. PENALTY CLAUSE FOR LATE DELIVERY & LATE INSTALLATION:

- a) **Subject to operation of Force Majeure, time for delivery and acceptance is the essence of this contract. The supplier shall arrange to ship the ordered materials within the delivery period mentioned in the order unless extended with/without penalty.**
- b) In case of delay in supply and/or late installation of the equipment/instrument on part of the supplier, **a penalty @ 0.50% per week of Order/FOB value will be charged for delayed period, subject to a maximum of 10% of order/FOB value.**
- c) If the delay in the shipment of the ordered materials attributable to the supplier exceeds agreed time period from the date of original agreed upon date of shipment and extended with/without penalty, the CSIR, New Delhi shall have the right to cancel the contract/purchase order and recover the liquidated damages from other dues of the party or by legal means. It will also affect the other/future business dealings with such suppliers.

26. TRAINING: Wherever needed, Our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

27. NON-SUBMISSION OF TENDER: In case you are unable to submit your quotation against our tender enquiry we would appreciate and expect a note of regret from your side giving in brief, reasons for not quoting.

28. DELETION OF NAME : Names of bidders, backing-out/defaulting after opening of tenders will be recommended for deletion from the list of suppliers in addition to forfeiture of EMD submitted by them, if any.

29. LATE/ DELAYED /UNSOLICITED QUOTATION: Late or delayed/Unsolicited quotations/offers shall not be considered at all. These will be returned to the firms as it is. Post tender revisions/corrections shall also not be considered.

30. ACCEPTANCE OR REJECTION OF OFFER: The Joint Secretary (admn.), CSIR, New Delhi reserves the right to accept or reject any quotation /tender in part or full without assigning any reason thereof. The successful bidder should submit Order acceptance within 15 days from the date of issue.

31. PAGE NUMBERING & SIGNATURES: Your offer should be a page numbered and signed by an authorized signatory giving his/her name and designation below the signatures.

32. INTERIM ENQUIRIES: Interim inquiries will not be attended to / entertained.

33. FORCE MAJEURE: The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

34. DISPUTE SETTLEMENT:

The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

- (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Joint Secretary (admn.) General, Council of Scientific & Industrial Research and if he is unable to unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- (b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued.

Notwithstanding any reference to arbitration herein,

- (a) The parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- (b) The purchase shall pay the Supplier any monies due the Supplier.

35. FRAUD AND CORRUPTION

The purchaser requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

- (a) The terms set forth below are defined as follows:
 - (i) **“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
 - (ii) **“Fraudulent practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
 - (iii) **“Collusive practice”** means a scheme or arrangement between two or more bidders, with or without the knowledge of the Borrower, designed to establish bid prices at artificial, noncompetitive levels; and
 - (iv) **“Coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
- (b) The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

- 36.** Further corrigendum/amendments, if any, will be posted in CSIR website: <http://www.csir.res.in>.

-Sd/-

(Stores & purchase officer)

Encl:

1. Format for Compliance of Terms & Conditions.
2. Different Forms/ Formats enclosed as Annexure(s)
3. Set of Specifications

FORMAT/QUESTIONNAIR FOR COMPLIANCE OF TERMS AND CONDITIONS

Tender No.: _____

Due Date _____

NOTE:

1. Quotation will not be considered without submission of this format.
2. If a particular question is not at all applicable please write NA in compliance part in Col. No. 4 below.
3. Kindly see the relevant terms & conditions of the tender document as mentioned in Col. No. 3 in each question before replying to the questions mentioned in Col. 2 below).

SNo	Terms & condition of Tender document	Relevant Clause No. of the tender terms & conditions of the tender	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
1	2	3	4	5
1	a.) Whether quotation is direct from Principal supplier/manufacturer or their own office in India (Please specify)	Clause 2(a)		
	b) Whether quotation is being submitted by Indian Agent/authorized distributor/ dealer	Clause 2(a)		
	c) Whether the agent is registered with DGS&D/NSIC	Clause 4(a)		
2	a) Whether the Techno-commercial and price bids (for two bid tender system only) have been kept in separate envelopes duly marked with "Techno-commercial Bid" and "Price Bids" respectively.	Clause 2(l)		
	b) Whether the tender No., Due date & Opening dates have been written outside all the envelopes.	Clause 2 (m)		
3	Whether techno-commercial Bid contains EMD, technical literature/leaflets, detailed specifications & commercial terms & conditions etc. as applicable.	Clause 2(n)(A)		

4	a) Whether the required EMD is being submitted with the quotation	Clause 4		
	b) Please specify the form of EMD whether in the form of DD/bank guarantee or TDR/FDR (Please mention No., date & amount of EMD documents.) or Bid Security Format at Annexure – ‘C’	Clause 4		
	c) Pre-receipted bill for refund of EMD is enclosed (for bank drafts only)	Clause 4		
5	a) If the prices are on Ex-Works basis or FOB (names port of shipment) or FCA (named place of delivery abroad)	Clause 5 (A) & (B)		
	b) Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in quotation separately in clear terms.	Clause 5(B), (C) & (D)		
6	a) Whether prevailing rates of sales tax, excise duty & other govt. levies (for indigenous supplies) have been given in quotation	Clause 5 (A), (C) & (D)		
7	Have you mentioned the validity period of the quotation as per our requirements	Clause 6		
8	a) Whether the Price reasonability Certificate is submitted with quotation	Clause 9 (b)		
	b) Whether copies of last two supply orders of the same item from other customers have been attached with the quotation	Clause 9 (c)		
	c) If there is any difference in prices of last two orders & those quoted to us. If yes, please give reasons for the same	Clause 9 (c)		
	d) Whether supplied in CSIR Labs.	Clause 9 (d)		
9	Whether rates/amount of AMC after the warranty period is over has been mentioned	Clause 10		
10	Have you gone through the specification Clause & complied with the same	Clause 11 (A) & (B)		
11	Whether the Make/Brand, Model number and name of manufacturer has been mentioned in the quotation and Printed technical literature/ leaflets of quoted items have been submitted			

01	Whether compliance statement of specifications has been attached with the quotation.	Clause 01 (a) & annexure- 'B'		
13	a) Whether the delivery period for supply of the items has been mentioned	Clause 13		
	b) Whether mode of delivery & tentative size & weight of the consignment has also been indicated	Clause 13		
14	Do you agree to the submission of Performance Bank Guarantee/Standby L/C and have you mentioned in your quotation about this.	Clause 14		
15	a) Do you agree with the payment terms for indigenous supplies?	Clause 15A		No deviation permitted
	b) Do you agree with the payment terms for imports supplies?	Clause 15 B		
16	Do you agree about the date of commencement of warranty period & its extension is necessary.	Clause 16		
17	a) Who will install/commission and demonstrate the equipment at CSIR, FREE OF COST.	Clause 18		
	b) Will you be able to do it within a month	Clause 18		
18	Have you mentioned the guarantee/warranty period in your quotation and do you agree with guarantee clause?	Clause 19		
19	Spare parts	Clause 20		
20	After Sales service	Clause 21		
21	a) Do you agree that on receipt of material in damaged condition or short supply you will replace the same on CIF basis, free of cost pending the settlement of the insurance claim?	Clause 22 (b)		
	b) Do you agree with the clause of physical inspection?	Clause 22 (c)		
22	For Import Cases only:	Clause 23		
	a) Whether the Indian agent is registered with DGS&D			
	b) Whether the valid DGS& D registration certificate has been enclosed with the offer	Clause 23 (b)		
	c) If the party is a subsidiary or corporate branch office of the foreign supplier, then whether copy of the approval from Reserve Bank of India is attached with the offer	Clause 23 (c)		

23	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer	Clause 24		
24	Whether you agree to the penalty clause for late delivery & installation?	Clause 25 (a to d)		
25	Whether training to our scientist/technical person will be given free of cost . If yes, have you specified in quotation whether it will be in our lab? Or at supplier's site in India or abroad.	Clause 26		
26	a) Whether all the pages have been page numbered?	Clause 31		
	b) Whether quotation has been signed and designation & name of signatory mentioned.	Clause 31		
27	Do you agree to settle the issue as per the terms of Clause -34 of tender documents?	Clause 34		
28	Have you attached Financial Credential Report as per CSIR requirement?	Clause 36		

We hereby agree to abide of all other terms and conditions of the tender document.

Signatures of the authorized signatory_____

Name of the signatory _____

Designation _____

Name & Seal of the quoting party _____

Dated:_____

FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/ Item	Compliance Whether “YES” Or “NO”	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6

BID SECURITY FORM

Whereas (Hereinafter called “the tenderer”) has submitted their offer dated for the supply of (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. _

KNOW ALL MEN by these presents that WE (Name of bank) of (Name of country), having our registered office at (Address of bank) (Hereinafter called the “Bank”), are bound unto ... (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of..... 20.....

THE CONDITIONS OF THESE OBLIGATIONS ARE:

- 1.** If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2.** If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
- 3.** If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- 4.** Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)

Name and Designation of the Officer
Seal, Name & Address of the Bank and address of the branch

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6		7		8		9
Sl No	Item Description	Co unt ry of ori gin	Uni t	Qty(Nos.)	Unit Price		Total price 5x6)		Charges for Insurance & transurenderkumarrtatio n to port/ place of destination		Tota l Pric e (7+8) CIF
					FOB (named port of shipment	FCA (named place of delivery	FOB (named port of shipment	FCA (named place of delivery	Ocean	Air	
1.	Indoor Dome Camera			09							
2.	Outdoor Bullet Camera			04							
3.	Indoor Box Camera			04							
4.	Video Management Software										
5.	Server			01							
6.	Boom Barrier			02							
7.	24 Port Network PoE Switch			01							
8.	8 Port PoE Switch			01							
9.	LED 32"			03							
10	27U Rack			01							
11	6U Rack			01							
12	24 Port Patch Panel CAT 6A			02							
13	Information Outlet (Single SMB) CAT-6 I/O, with Face Plate and Gang Box			17							
14	Patch Cord 3 ft CAT6			34							

15.	UPS (1 hour backup with Battery Bank)			01							
16	Laying of outdoor/indoor cables along with conduiting (PVC Conduit/ Channel/Flexible/ HDPE/GI Pipe		Per unit	As per Site Survey.							
17	External Hard disk			5							
18	Installation & commissioning along with technical support servicer under three years warranty										
19	AMC along with technical support servicer after expiry of three years warranty		2 years								

Total Bid price in foreign Currency_____in words.

These qtls are indicative however the payment would be made as per actuals.

Signature of Bidder

Name:

Business Address:

Note:

- (a) Indian agents name & address _____
- (b) Installation, commissioning & training charges, if any_____
- (c) Cost of Spares _____
- (d) The Indian agent's commission shall paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents.
- (e) The cost of optional items shall be indicated separately.

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country	Unit	Qty	Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6	Total price	VAT & other taxes like excise duty payable, if contract	Packing & forwarding up to station of dispatch, if any	Charges of inland transurenderkumartati on, insurance up	Installation, Commissioning & training charges, If any
1.	Indoor Dome Camera			09						
2.	Outdoor Bullet Camera			04						
3.	Indoor Box Camera			04						
4.	Video Management Software									
5.	Server			01						
6.	Boom Barrier			02						
7.	24 Port Network PoE Switch			01						
8.	8 Port PoE Switch			01						
9.	LED 32"			03						
10.	27U Rack			01						
11.	6U Rack			01						
12.	24 Port Patch Panel CAT 6A			02						
13.	Information Outlet (Single SMB) CAT-6 I/O, with Face Plate and Gang Box			17						

14.	Patch Cord 3 ft CAT6			34						
15.	UPS (1 hour backup with Battery Bank)			01						
16.	Laying of outdoor/indoor cables along with conduiting (PVC Conduit/ Channel/Flexible/ HDPE/GI Pipe		02 units	As per Site Survey.						
17.	External Hard disk			5						
18.	Installation & Commissioning along with technical support servicer under three years warranty									
19.	AMC along with technical support servicer after expiry of three years warranty		2 years							

Total Bid price in Rupees _____ in words.

Signature of Bidder

Name:

Business Address:

Note:

(a) The cost of optional items shall be indicated separately.

(b) Cost of spares _____

MANUFACTURER’S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that re binding on the Manufacturer]

Date: *[Insert date (as Day, month and year) of Bid submission]*

Tender No.: *[Insert number from Invitation for Bids]*

To: *[Insert complete name and address of Purchaser]*

WHEREAS

We *[insert completer name of Manufacturer]*, who are official manufacturers of *[Insert type of goods manufactured]* having factories at *[insert full address of Manufacturer’s factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following goods, manufactured by us *[insert name and or brief description of the goods]*, and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with **Clause 19** of the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____ *[insert date of signing]*

PREVIOUS SUPPLY ORDERS FORMAT

Name of the Firm _____

Order placed by {Full address of Purchaser}	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactoril y? <i>(Attach a certificate from the Purchaser/ Consigner)</i>	Contact Person along with Telephone no., Fax no. and e-mail address.

Signature and Seal of the Manufacturer/ bidder

Place:

Date:

BIDDER INFORMATION FORM

[The Bidder shall fill in this form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done on the letter head of the firm]

Date: *[Insert date (as day, month and year) of Bid Submission]*

Tender No.: *[Insert number from invitation of bids]*

Page 1 of _____ pages

1. Bidder's Legal Name *[Insert Bidder's legal name]*
2. In case of JV, legal name of each party: *[insert legal name of each party in JV]*
3. Bidders actual or intended Country of Registration : *[insert actual or intended country of registration]*
4. Bidder's year of registration: *[insert Bidder's year of registration]*
5. Bidder's Legal Address in Country of Registration: *[insert bidder's legal address in country of registration]*
6. Bidder's Authorization Representative Information
Name: *[insert Authorization Representative's name]*
Address: *[insert Authorization Representative's address]*
Telephone/Fax numbers: *[insert Authorization Representative's telephone/fax numbers]*
Email address: *[insert Authorization Representative's email address]*
7. Attach are copies of original documents of : *[check the box(es) of the attached original documents]*
Articles of Incorporation or Registration of firm names in 1 above.

ELIGIBILITY CRITERIA:

- The bidder should be Authorized Partner of OEM. (Documentary proof needs to be submitted).
- The bidder should have Income Tax PAN and VAT no/service tax registration. (The documentary proof needs to be submitted).
- The Bidder should have a minimum annual turnover of Rs. 2 crore for last three consecutive years. (Documentary proof of balance sheet needs to be submitted).
- The Bidder should be in similar business for last three years and have completed at least one project of similar nature of more than Rs. 25.00 lakhs in Government Department/PSU/Autonomous / Private Sector. (Copies of work orders and equivalent document in support of experience in CCTV installation shall be provided)
- CSIR reserves the right to verify/seek confirmation of all original documentary evidence submitted by vendors in support of above mentioned clauses of eligibility criteria In case any information furnished by the bidder is found to be false /incorrect at any stage, the bid shall be summarily rejected and no correspondence on the same shall be entertained.
- Bidder should have their own service centre in Delhi / NCR. (Attach documentary proof).
- The OEM should have the necessary certification like CE, FCC & UL. All supportive documents should be attached with the technical bid.
- The items quoted should not be in negative list of National Technical Research Organisation under National Security Advisor, Govt. of India.

Scope of work :

The scope of work for the supply installation & commissioning of Surveillance systems which includes cameras along with video management software , manageable Switch, Server, etc. laying & conduiting of cables testing, installation, commissioning and 3 year on-site comprehensive warranty along with technical support services (detailed specifications are provided in Annexure S):

Sl. Number	<i>Scope of Work – Description</i>
1	Supply, Testing, Installation, Configuration, Commission & related technical support services, 3 year on-site comprehensive warranty maintenance of Surveillance system. Required configuration of system Software to make Surveillance system functional at respective locations along with end testing , handholding as per the detailed Technical Specification given in Annexure S
2	Technical support services includes the onsite manpower which would be responsible for execution of day to day monitoring , troubleshooting , reports and other activities for smooth functioning of the Surveillance system .

Technical Support Services:-

The technical support services also included the provision of Resident Engineer for which the successful bidder will be asked to enter into a service level agreement, the service provider will be make available the services of one trained Resident Engineer (RE) on all working days between 9.00 A.M. to 5.30 P.M. at site in CSIR Hqrs. and the activities to be carried out by RE are as follows :-

1. The RE will take pro-active measures to keep the functionality of CCTV camera equipment on daily basis.
2. The RE will submit the report of failure of working of CCTV camera equipment etc. on regular basis to IT Division and its services can be requisitioned on holidays or after office hours on emergent basis without any additional charge.
3. The provision of services to CSIR by the resident engineer will not in any case construe any right on him to claim any employment from CSIR.
4. The service provider will provide the replacement of the engineer if in case the current RE fails to attend the site due to any unavoidable circumstances.
5. The contract technical support service would be continued till the warranty period ends.

Indoor Dome Camera (Qty. 9)**(Annexure-S)**

Specification	Compliance (Yes/No)	Deviations (If any)
Full High resolution IP colour 2 mega pixel or better camera shall be of True day / night fixed for indoor surveillance with minimum following features.		
1/3" or 1/2.7" progressive scan CMOS sensor with great low lux performance Minimum illumination of 0.1 lux or better at b/w, 0.00 lux w/IR illuminator model and : 0.3 or better lux in color mode @ F1.2		
The Camera shall provide H.264: 30ips 1920 x1080, MJPEG/JPEG/JPG: 30ips 1920 x1080		
Camera shall provide Multiple streaming. Minimum H.264 and Minimum MJPEG/JPEG.		
Camera Support High Definition mode (1920 x 1080) real-time		
Supports various protocols: IPv4, HTTP, HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SMTP		
IR Illumination: Effective distance is 15m, IR wavelength 850nm		
Motion detection: Yes		
Support Digital WDR		
Lens focal length 3-9mm F1.2 vari focal lens		
Should memory card in camera up to 32 GB		
Support Alarm Input/output: 1/1		
Video Streams : 2 simultaneous stream		
Camera shall support Video compression format : H.264 & MJPEG/JPEG/JPG		
Certification: UL,FCC,CE		
The camera shall be compliant with the Open Network Video Interface Forum Profile S (ONVIF Profile S) conformance.		

Outdoor Bullet Camera (Qty. 04)

Specifications	Compliance (Yes/No)	Deviations (If any)
Full High resolution IP colour 2 mega pixel or better camera shall be of True day / night fixed, IP66 rated , Bullet camera type suitable for Outdoor surveillance with minimum following features.		
1/3" progressive scan CMOS sensor with great low lux performance Minimum illumination of 0 lx in IR mode and : 0.5 or better lux in clour mode		
The Camera shall provide smoother with the high frame rate 30 FPS at 1920/1080.		
Camera shall provide Dual streaming. Two H.264/MJPEG/JPEG		
Support Full High Definition mode (1920 x 1080) real-time		

Lens should support Vari-Focal Lens 9-22mm F1.5		
IR Illumination: Effective distance is 25m/82ft, IR wavelength 850nm		
Supports various protocols IPv4, HTTP, HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SMTP		
Dynamic Noise Reductions		
Day/night switch by IR Cut filter		
Web server for remote setup of camera video and network parameters		
Power over Ethernet (PoE)		
Video compression format : H.264, MJPEG/JPEG/JPG		
Support Wide dynamic Range: digital		
Certification: UL,FCC,CE		
The camera shall be compliant with the Open Network Video Interface Forum Profile S (ONVIF Profile S) conformance.		

Indoor Box Camera (Qty. 04)

Specifications	Compliance (Yes/No)	Deviations (If any)
Full High resolution 2 mega pixel or better IP colour camera shall be of True day / night fixed, Box camera type suitable for indoor surveillance with minimum following features.		
1/3" progressive scan CMOS sensor with great low lux performance Minimum illumination of 0.1 lx or better in B/W mode (IR illuminator: ON) and : 0.3 or better lux in colour mode @ F1.2		
The Camera shall provide smoother with the high frame rate 30 FPS at 1920/1080.		
Camera shall provide Dual streaming. Two H.264/MJPEG/JPEG/JPG		
Support Full High Definition mode (1920 x 1080) real-time		
Effective IR distance is 40 m		
Supports various protocols IPv4, HTTP, HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SMTP		
Dynamic Noise Reductions		
Day/night switch by IR Cut filter		
Web server for remote setup of camera video and network parameters		

Power over Ethernet (PoE)		
Video compression format : H.264, MJPEG/JPEG		
Support Wide dynamic Range : digital		
The camera shall be compliant with the Open Network Video Interface Forum Profile S (ONVIF Profile S) conformance.		
Certification: UL,FCC,CE		

Video Management Software

Sr. No.	Specification	Compliance(Yes/No)	Deviation (If any)
1	The offered software should be completely compatible with the offered camera / cameras and should be of same make as that of camera.		
2	The VMS system shall manage the video it has been configured to monitor. Loss of video signal shall provide the alert on VMS client by an on screen visual indication alerting operators of video losses.		
3	The VMS software shall support IP cameras and encoders of all resolution and megapixel features. The VMS client software shall be able to record and view live video and audio, recorded video and audio and during administration and be able to configure the complete system all from a single application. The VMS client software shall have the same functionality locally and remotely for same system. The administrator of VMS client software has all the rights to modify the permission & functionality to monitoring client.		
4	The VMS client software shall operate on all of the following operating systems: Microsoft Windows Server 2003/2008 Microsoft Windows Vista , Windows 7, Mac OSX(all versions)		
5	The VMS software shall support the monitoring of client software systems concurrently using on various (different) operating system.		
6	The VMS shall allow an authorized user to view video through a web client interface. The web client interface shall allow authorized users to view live video; view recorded video, control pan-tilt zoom (PTZ) cameras and activates triggers.		
7	The web client interface shall support the following browsers: Internet Explorer 6 and later, Firefox 2 and later, Opera 9 and later, Safari and later, Chrome. The VMS server software shall record and retrieve video, audio and alarm data and provide it to the VMS clients.		
8	When in live display mode, the user shall be able to view live video, live audio. The VMS shall be able to organize the camera video view panel in any combination of video window size or in the following patterns: 1-camera (full-screen) layout, 4-camera (2x2) layout, 8-camera (3 large views and 4 small views) layout, 10-camera (2 large views and 8 small views) layout, 13-camera		

	(1 large view and 12 small views) layout, 16-camera (4x4) layout, 8-camera (1 very large view and 7 small views) layout, 9-camera (3x3) layout, 6-camera (2x3) widescreen layout, 12-camera (4x3) widescreen layout, 20-camera (5x4) widescreen layout, 30-camera (6x5) widescreen layout, 48-camera (8x6) widescreen layout		
9	<p>The VMS software shall allow control of PTZ cameras to authorized users and be used to maneuver a PTZ camera. The VMS shall allow following methods of controlling a PTZ camera to be available:</p> <p>PTZ graphics control windows</p> <p>Keyboard control, PTZ presets, Digital PTZ and USB joystick to control PTZ cameras. The video cell shall automatically show video as it is triggered.</p> <p>This shall allow efficient viewing of cameras in a logical order.</p> <p>A view can save the location of the video streams, audio streams, POS data, maps and event views. These views shall be accessible in both live and recorded video modes.</p> <p>The VMS shall allow the configuration of the dwell time and the different views it shall use. The VMS client software shall be used to search for and playback recorded video, audio, and events from VMS servers for multiple cameras simultaneously. All recorded video shall be played back and displayed in a synchronized multi-camera layout. The VMS software shall support searching through recorded video based on time, date, video source, image region. The VMS software shall allow search and playback of audio in synchronization with video.</p> <p>The VMS software shall allow you to search on a specific area of recorded video.</p>		
10	<p>The VMS shall allow the customization of the user interface to allow software triggers to be shown. This shall allow them to activate events, which could trigger recording, PTZ presets, output triggers or email.</p> <p>The VMS shall allow the user to pick their own icon and select the software triggers to display in the client. The VMS software shall be used to connect different types of events, such as input triggers, to a desired action such as recording video or triggering an alarm.</p>		

Server (Qty. 01)

	Specification	Compliance(Yes/No)	Deviation (If any)
	<p>Intel Xeon Processor E5-2407(2.2GHz/4-core/10MB)</p> <p>12 DIMM Slots 8 GB RAM/ 2*8 SFF (2.5inch) Hot Plug SAS/SATA 15TB storage (scalable up to 24TB) /</p> <p>RAID 5 HDD Array Controller Card with 512MB /</p> <p>DVD RW Optical / 2 x 460W Hot Swap Plg Pwr Supply/</p> <p>Ethernet 1Gb 4-port 366i Adapter PCIe 3.0 Full-Height,</p> <p>Half-Length (x2) PCIe 3.0 Full-Height,</p> <p>Full-Length (x1) PCIe 2.0 Low Profile (x1),</p> <p>Operating system compatible Windows/Pre-Loaded latest windows down upgrade Windows 2008.</p>		

Boom Barrier (Qty. 02)

	Specification	Compliance(Yes/No)	Deviation (If any)
	High speed Electro-mechanical boom barrier for continuous Use. Max 3.5 seconds Opening Time, 100% frequency for vehicular span from 5 Mtrs upto 6 mtr with 70mm round boom, includes Boom, Controller, Base Plate & Fork Rest Red Powder coated. IP54 includes EPB (push button) for Opening/closing, Electric motor- single-phase, bi-directional ,Effective torque -0 to 150 Nm ,Motor rotation speed 1400r.pm. For entry & exit.		

24 PORT NETWORK PoE SWITCH (Qty. 01)

	Specification	Compliance(Yes/No)	Deviation (If any)
	24-Port 10/100/1000 Gigabit Switch with WebView, IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.1q, 24 10/100/1000 RJ-45 ports and 2 shared MiniGBIC slots, System, Link/Activity, Gigabit, VLANs 256 VLANs , SNMP version v1, v2c, v3 with support for traps, RFC854 Telnet (Menu-driven configuration), RADIUS , TACACS+, Telnet client, SSL security for Web UI, Switch audit log, DHCP client, BootP, SNTP, Xmodem upgrade, Cable diagnostics, PING, Traceroute, Syslog , 802.1X - RADIUS Authentication. MD5 Encryption, ACLs - Drop or rate limit based on, Source and destination MAC-based Source and destination IP address, Protocol, ToS/DSCP, Port, VLAN, Ethertype, Port-based and 802.1q based VLANs, Private VLAN Edge (PVE), Management VLAN, Head of line blocking prevention, Supports frames up to 10K byte frames, GVRP - Dynamic VLAN Registration, 802.3i 10BASE-T Ethernet, 802.3u 100BASE-TX Fast Ethernet, 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x Flow Contro, Power 100-240V 0.5A, Certification FCC Part15 Class A, CE Class A, UL, cUL, CE mark, CB		

8 Port PoE Switch (Qty. 01)

	Specification	Compliance (Yes/No)	Deviation (If any)
	Switch - 8 ports – Managed, Rack Mountable, 8 x 10/100 + 2 x 10/100/1000, PoE, Virtual interfaces (VLANs) : 255, Routing Protocol, Remote Management Protocol, IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae, IEEE 802.1ab (LLDP), IEEE 802.3at, Port status, link activity, system		

LED 32" (Qty. 03)

	Specification	Compliance	Deviation
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		(Yes/No)	(If any)
Screen Size	32''		
Colour System	NTSC 3.58, NTSC 4.43 (AV in only), PAL, PAL60 (AV in only), SECAM		
Video Signal	480/60i, 480/60p, 576/50i, 576/50p, 720/50p, 720/60p, 1080/50i, 1080/60i, 1080/50p (HDMI™ / Component), 1080/60p (HDMI™ / Component), 1080/24p (HDMI™)		
Sound Mode	Dynamic / Standard / Clear Voice		
Audio Output Power	20W (10W x 2)		
HDMI Connections	4		
USB	2 or more		
Ethernet Connection	1		
Component / Audio In	2		
Composite / Audio In	2 or more		
HD15 PC Input	1		
Audio Out	1		
Power Requirements	AC 110-240V, 50/60Hz		

27U Rack (Qty. 01)

Specification	Compliance (Yes/No)	Deviation (If any)
27 U Server Rack with Accessories, Conforms to DIN and current industry practices or IEC Standards, Lockable front door made of toughened tempered glass. Adjustable mounting rails in the front and rear Cable access through a gland plate in the bottom and top panel Robust extruded aluminium frame, Aluminium frame is made of heavy grade aluminium profiles designed with front and rear doors within the frame. Top bottom and side panels made of Sheet steel. Sizes: Height-27U, Widths-600&800 mm, Depths-800mm & 1000mm BASIC Main FRAME: All Steel model and Aluminium Extrusion frame 19" Mounting Channel: Screwed with Basic Main Frame Standard Equipment Mounting: DIN Standard.9.5mm Sq. Slots Standard Colour : RAL 7035 & RAL 7037 Manufacturing Standard: ISO 9001: 2000		

6U Rack (Qty. 01)

Specification	Compliance (Yes/No)	Deviation (If any)
6U Network Rack with Accessories, Maximum load rating up to 50Kgs, and 19" Horizontal power distribution box (Indigenous / Imported) .19" horizontal cable manager of 1U and 2U height.19" cantilever shelves of 1U and 2U height. Vented top plate and louvered sides for optimal air flow and heat dissipation. Front door with lock and toughened glass / Acrylic view panel. Powder Coating: Durable and attractive Epoxy powder coat finish.600mm wide x 500mm deep, 6U Height Standard Equipment Mounting; DIN Standard.9.5mm Sq. Slots Standard Finish: Texture Powder Coating Finish - 60-90 microns Manufacturing Standard: ISO 9001: 2000		

24 Port Patch Panel CAT6A (Qty. 02)

Specification	Compliance (Yes/No)	Deviation (If any)
Category 6A, TIA568B.2-1 – 250MHz All information outlets for 100 ohm, 22-24 AWG copper cable shall: Accommodate a minimum of one or two 8-position / 8-conductor modular jacks. Use insulation displacement connectors (IDC) Allow for a minimum of 200 re-terminations Without signal degradation below standards compliance limits. Be constructed of high impact, flame-retardant thermoplastic. With Zero footprint collapsible shutter (shutter should recede inside jack to clean gold contacts on every insertion of patch cord) With Terminator cap for tool less termination 568A/B configuration Tested upto 600 Mhz.		

Information outlet (single SMB) CAT-6 I/O, with Face Plate, Gang Box (Qty. 17)

Specification	Compliance (Yes/No)	Deviation (If any)
Category 6A, TIA568B.2-1 – 250MHz All information outlets for 100 ohm, 22-24 AWG copper cable shall: Accommodate a minimum of one or two 8-position / 8-conductor modular jacks. Use insulation displacement connectors (IDC) Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits. Be constructed of high impact, flame-retardant thermoplastic. With Zero footprint collapsible shutter (shutter should recede inside jack to clean gold contacts on every insertion of patch cord) With Terminator cap for tool less termination 568A/B configuration Tested upto 600 Mhz.		

Patch Cord 3ft CAT6 (Qty. 34)

Specification	Compliance (Yes/No)	Deviation (If any)

The work area equipment cords shall, at a minimum Comply with proposed ANSI/TIA/EIA-568-B.2-1 Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100ohm Category 6A Cabling.		
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UPS (1 Hour backup with Battery Bank) (Qty. 01)

Specification	Compliance (Yes/No)	Deviation (If any)
<p>Output Output Power Capacity- 2100 Watts / 3000 VA, Max Configurable Power- 2100 Watts / 3000 VA, Nominal Output Voltage-230V, Output Voltage Note- Configurable for 220 : 230 or 240 nominal output voltage, Efficiency at Full Load-90.0%, Output Voltage Distortion-Less than 3%, Output Frequency (sync to mains)- 50/60 Hz +/- 3 Hz user adjustable +/- 0.1, Output Connections-1Hard Wire 3-wire (H N + G) 8 IEC 320 C13,</p> <p>Input Nominal Input Voltage-230V, Input Frequency-50/60 Hz +/- 5 Hz (auto sensing), Input Connections-Hard Wire 3 wire (1PH+N+G), Cord Length-2.44 meters, Input voltage range for main operations-160 - 280V, Input voltage adjustable range for mains operation-100 - 280V,</p> <p>Communications & Management Interface Port(s)-DB-9 RS-232, Smart Slot Control, panel-LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass Indicators, Audible Alarm-Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm, Regulatory Approvals-EN 60950, EN/IEC 62040-2.</p>		

Laying of cables along with conduit (Qty. Site Survey)

Specification	Compliance (Yes/No)	Deviation (If any)
ISI Mark PVC Conduit/channel/flexible, (indoor), HDPE Pipe / GI Pipe Class C (outdoor) with accessories with cat6 cable.		

External Hard Disk (Qty. 5)

Specification	Compliance (Yes/No)	Deviation (If any)
4TB Expansion USB 3.0 External Desktop Hard Disk Drive		