

EXPRESSION OF INTEREST (EOI)

FOR

Selection of System Integrator for Supply Installation Testing and Commissioning of C.C.T.V. Camera and associated services for uttrakhand project.

EOI Reference No. BECIL/PROJ/EOI/UTJAIL/2023-24/1

(Dated: 11 July 2023)

Issued By

V.P Singh GM (BECIL)

 <p>बेसिल BECIL</p>	<p>BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED</p> <p>Head Office: 14-B, Ring Road, I.P. Estate, New Delhi -110002 Tel: 011-23378823 Fax: 011-23379885</p> <p>Corporate Office: C-56/A17, Sector-62, Noida - 201 307 Tel: 0120-4177850 Fax: 120- 4177879</p>	 <p>G20 भारत 2023</p>
------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------



BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED

(A Govt. of India Enterprises – A Mini Ratna Company) An ISO

9001:2008 Certified Company

Head Office: 14-B, Ring Road, I.P. Estate, New Delhi -110002, Tel.: 011-23378823

Fax:011-23379885 Corporate Office: C-56/A17, Sector-62, Noida -201307, Tel.: 0120-

4177850 Fax: 120-417787

S.No	Description	Details																								
1.	EOI NO	<u>BECIL/PROJ/EOI/UTJAIL/2023-24/1</u>																								
2.	Date of Issue of EOI	11 July 2023																								
3.	Last date of Submission of EOI	17 July 2023																								
4.	Date of opening of EOI	18 July 2023																								
5.	Address of: Purchase of EOI Document/ Submission of EOI / Opening of EOI	http://becil.euniwizarde.com																								
6.	Website	http://becil.euniwizarde.com , www.becil.com																								
7.	Form Fees	Rs. 1000 /- (Rupees One Thousand Only)																								
8.	Portal Fees	As per e tendering website of BECIL																								
9.	EMD	Rs. 7,20,000/- (Rupees Seven Lakhs twenty thousand only)																								
10.	Total Estimated Cost	<table border="1"><thead><tr><th>S</th><th>N</th><th>Site Name</th><th>Total Estimated Cost per site (In Indian Rupees)</th></tr></thead><tbody><tr><td>1</td><td></td><td>Almora</td><td>7450996.68</td></tr><tr><td>2</td><td></td><td>Nainital</td><td>6321887.82</td></tr><tr><td>3</td><td></td><td>Sitarganj</td><td>9180373.32</td></tr><tr><td>4</td><td></td><td>Haldwani</td><td>7896323.34</td></tr><tr><td></td><td></td><td>Total Estimated Cost (C)</td><td>30849581.16</td></tr></tbody></table>	S	N	Site Name	Total Estimated Cost per site (In Indian Rupees)	1		Almora	7450996.68	2		Nainital	6321887.82	3		Sitarganj	9180373.32	4		Haldwani	7896323.34			Total Estimated Cost (C)	30849581.16
S	N	Site Name	Total Estimated Cost per site (In Indian Rupees)																							
1		Almora	7450996.68																							
2		Nainital	6321887.82																							
3		Sitarganj	9180373.32																							
4		Haldwani	7896323.34																							
		Total Estimated Cost (C)	30849581.16																							
11.	Contact details of BECIL	Binay Tiwari (DGM, BECIL) Email : Binay.tiwari@becil.com																								
12.	Contact details of ITI	Mr. Anshuman : +91-9355030616 Mr. Navneet : 9560364871																								
13.	Help Desk of ITI	011-49606060 (From 10:00Hrs to 18:00 Hrs)																								

General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307
Phone: 0120-4177850

Contents

1. SECTION-1: EXPRESSION OF INTEREST (EOI).....	4
2. SECTION-2: GENERAL TERMS & CONDITIONS OF THE CONTRACT	12
3. SECTION-3:SPECIAL CONDITION OF CONTRACT.....	16
4. SECTION 4: SCOPE OF WORK.....	22
5. ANNEXURE A :FORMAT OF RESUME OF PERSONNEL.....	23
6. ANNEXURE B :FORMAT OF PBG	24
7. ANNEXURE C : BIDDER'S GENERAL INFORMATION.....	26
8. ANNEXURE D : MAJOR OEM MAKE AND MODEL.....	27

SECTION-1

EXPRESSION OF INTEREST (EOI)

EOIs are invited from all eligible bidders for Post Tender Tie-up with BECIL for Selection of back end System Integrator for “Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani Invited by *Office of the superintending Engineer, 5th E/M Circle, PWD, Haldwani Tender Notice No.1097/18C.B.-05/21-22 Date 28/12/2022*”

Broadcast Engineering Consultants India Limited (BECIL) an ISO 9001:2008 certified, a Mini Ratna public sector enterprise of Government of India under Ministry of Information & Broadcasting, was established on 24th March, 1995 for providing consultancy services of international standards for broadcasting in transmission and production technology including turnkey solutions in the specialized fields of Terrestrial & Satellite Broadcasting, Cable, Media and various Information Technology (IT) related fields, including security & surveillance, acoustics & audio-video systems and smart cities. BECIL provides tailor-made solution for unique requirement ranging from Concept to Commissioning.

BECIL intends to select backend System Integrator for the project awarded by *Office of the superintending Engineer, 5th E/M Circle* for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani. This EOI is floated for selection of the back-end system integrator ready to work in the above project with BECIL on exclusive basis.

Submission of Online Bids is mandatory for this EOI. Prospective bidders need to submit their bids with the most competitive Techno-commercial offer for the aforementioned work. EOI document is available on BECIL website (<http://becil.com>) & E-wizard (<http://becil.euniwizard.com>). The important dates are as given below:-

1.1 IMPORTANT DATES AND GENERAL INFORMATION.

Date of Publishing of EOI:	11 July 2023
Start Date of downloading/viewing EOI:	11 July 2023
Start date & time for Online submission of Bids:	1500 Hrs 12 July 2023
Last date & time for Online submission of Bids:	1800 Hrs 17 July 2023
Online Opening of Technical Bid (Part-I):	1200 Hrs 18 July 2023
Online Opening of Financial Bid (Part-II):	1500 Hrs 18 July 2023

Bids shall be submitted on Uni Wizard Portal (<http://becil.euniwizarde.com>). Bidders are advised to visit Ewizard Portal (<https://becil.euniwizarde.com/>) and/or BECIL website regularly for updates/amendments/ corrigendum, if any. Bidders can contact on the details given in this EOI's datasheet for requisite queries regarding registration, training, demonstration, etc of Uni Wizard.

General Information

- a. Complete EOI document can be download from e-Tender portal of BECIL <https://becil.euniwizarde.com> and www.becil.com. The Submission mode of the bid is Online. EOI will be submitted in 2 Packets ie. 1. Technical Bid and 2. Financial Bid.
- b. Technical Bid and Financial Bid will be submitted duly digitally signed on the website .EMD (Earnest Money Deposit) shall be submitted as per mode provided in the e-tendering website. The proof of EMD submission should be uploaded in the technical bid. **The financial bid will be opened and awarded on the basis of L1 price which is the total cost of all the 4 project sites. It is mandatory for bidder to submit the rates for all four sites in the bid, incomplete/non complied bids will be summarily rejected.**
- c. It is mandatory for all the applicants to have Class-III Digital Signature Certificate (in the name of person who will sign the bid document) from any of the licensed certifying Agency.
- d. The tender document shall be issued to MSEs (Micro & Small Enterprises) units/bidders registered with MSME free of cost, provided the tendered item is listed in the Registration Certificate of MSME. The certificate should remain valid on the date of submission of BID.
- e. STANDARD DEFINITIONS
- | | |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. BECIL | Means Broadcast Engineering Consultants India Limited, A Government of India Enterprises–Under Ministry of Information and Broadcasting, responsible for short listing of agencies as per the requirements of Government Departments/any Government Organization. |
| 2. OEM/Bidder | Means any interested and eligible Original Equipment Manufacturer or Service Provider Company registered Under Companies Act 1956/2013 who submit their proposals Against the EOI. |
| 3. Contract | Means the Contract signed by the Parties and all the attached documents listed therein, i.e. Terms of Reference, the General Conditions and the Appendices. |
| 4. Project Specific Info | Means such part of the Instructions to Bidders used to Reflect specific project and assignment conditions. |
| 5. Day | Means calendar day |
| 6. Government | Means the Government of India |
| 7. Instructions to Bidders | Means the document, which provides bidders with align information needed to prepare their proposals. |
| 8. Personnel | Means professionals and support staff provided by the bidder. |
| 9. Proposal | Means the Technical Proposal and the Financial Proposal Read separately and also together |
| 10. EOI | Means the Expression of Interest prepared by the BECIL for the short listing of Bidders. |

11. Assignment/Job Means the work to be performed by the bidder pursuant To the Contract.
12. RFQ Request for Quotation for the work proposed in the EOI as Per BoQ items
13. SITC Supply, Installation, testing and commissioning

1.2 **ELIGIBILITY CRITERIA**

a) **The bidder should be an Indian Registered Company under Companies Act 1956 or 2013/Proprietorship /Partnership Firm.** Copy of Certificate of Incorporation/ Registration/ Partnership Deed or any other relevant document, as applicable, should be submitted along with a copy of address proof.

b) **Manufacturers Authorization Certificate (MAF):** Details of the Major OEM's are attached in Annexure D, the passive components and UPS will be as per CPWD (Central public department) standards. Bidders are required to furnish MAF to BECIL for the below mentioned items. **MAF Certificate** to be attached on OEM letter head.

Sr. No.	Major OEMs	Make/Model
1.	Indoor Dome Camera	Tyco
2.	PTZ Camera	Tyco
3.	Bullet Camera	Tyco
4.	Storage BOX/NAS with Video Management Software.	Tyco
5.	Operator Client Monitor	Samsung
6.	Display	Panasonic

NOTE: All the OEMs shall provide all the spares required to bidders for the healthy functioning of the equipment for at least **ten years** from the date of supply of equipment. The declaration regarding this should be enclosed in the MAF certificate of the OEM.

c) **The bidder shall fulfill the following financial criteria:-**

(i) **Three years Comprehensive Maintenance of entire CCTV Surveillance system in all the 04 jails shall be carried out by bidder as free of cost as comprehensive warranty period. A certificate on Rs 100/- stamp paper to be furnished by the bidder.**

(ii) **The bidders should have a Positive Net worth from the last 3 years ie F.Y 2020-21, F.Y 2021-22 and F.Y 2022-23.**

(iii) **The bidder should have a minimum Turnover of Rs 1 Crore in each of the last 3 years ie F.Y 2020-21, F.Y 2021-22 and F.Y 2022-23.**

(iv) **The bidder should have completed**

I) A single project of 50% of individual cost of project site

II) Two Project of 35% of individual cost of project site

III) Three Project of 25% of individual cost of project Site.

As mentioned in the details (Page 2 of this EOI) of similar nature i.e. SITC of CCTV in Government department / PSU / Autonomous bodies of Government of India.

Note: The project will be considered complete only when Completion Certificate is

issued by the End Client Mentioning Total Value and nature of project.

d) The Bidder shall demonstrate and confirm availability of qualified key personnel listed below.

No.	Position	Total Work Experience (Years)	Experience in Similar Works(Years)
1	Engineer(with knowledge) CCTV work	3	2
2	Supervisor(with knowledge) CCTV work	5	3
3	Technician(with knowledge) CCTV work	5	3
4	Electrician(with knowledge) CCTV work	5	3

NOTE : The format of the resume is attached as annexure A to this document , the same to be submitted in the technical bid of the EOI .

e) The bidder should have a valid PAN and GST Registration (copy of PAN card and GST Registration certificate should be submitted in the bid). Copy of PAN card and GST Registration certificate should be submitted in the bid.

f) The bidder should have its own service center/office in India.

g) The bidder should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended and not be the subject of legal proceedings for any of the foregoing. **An undertaking by the bidder should be submitted on Rs 100/- Stamp paper duly notarized that no such action is pending.**

h) The Bidder should not be blacklisted/debarred/banned/restricted by any Union Govt./State Govt. / PSU as on date of submission of the Bid. "No-Conviction Certificate" duly signed by authorized signatory signing the bid, the declaration of the same to be submitted in letter head.

(i) The bidder should have no pending litigation against any government /PSU / Autonomous and any of the private agency in India, A declaration on letter head of the bidder to be submitted in this regard.

j) The bidder shall submit an undertaking on their letter-head stating that:

"In reference to the Government of India, Ministry of Finance, Department of Expenditure, Office Memorandum No. F.No. 6/18/2019-PPD, Dated 23-07-2020. I hereby submit that:
"We have read the Clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; We certify that we (in case of Consortium all the Consortium Partners) are not from such a country *or their beneficial owner is not from such a country or we will not sub-contract any work to a contractor from such countries*, if from such a country, have been registered with the Competent Authority.

We hereby certify that we (in case of Consortium all the Consortium Partners) fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]".

- k) The bidder needs to submit un-priced BOQ along with their technical bid.
- l) Proof of PF & ESIC registration to be submitted by the bidder or alternatively bidder can give undertaking on letterhead giving brief details of personnel employed on the payroll of the bidder.
- m) The bidder should have Local Office where work is to be executed. Else, he should give an undertaking that he will open Local office after Award of Work.
- n) **Labour Laws (wherever applicable):** The Bidder should comply with all applicable Indian Labour laws, Payment of Minimum Wages Act, Workman"s Compensation Act, EPF/ESI provisions and any such statutory provisions. In case the bidder is found to be not complying to any of the relevant statutory requirement, action as deemed fit may be initiated by BECIL at its sole discretion.

1.3 The bidder should give an undertaking on the company's letter head that all the documents/- certificates/ information submitted by them against this EOI are Genuine & True. In case any of the documents/certificates/information submitted by the bidder is found to be false or forged, BECIL shall immediately reject the bid of such bidder(s) or cancel/ terminate the contract and forfeit bid security / Performance Security submitted by the bidder and debar them from participation In future EOIs/ tenders of BECIL for a period up to 3 years.

1.4 A statement showing Clause-by-Clause compliance to all Terms & Conditions of all the Sections of this EOI. Bidder shall submit technical data sheet by highlighting each complied specification along with the technical compliance on from OEMs on their letter heads.

1.5 The Client's Tender No Tender Notice No.1097/18C.B.-05/21-22 Date 28/12/2022 for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani and its subsequent addendum/ corrigendum forms an integral part of this EOI.The tender notice no. No.1097/18C.B.-05/21-22 Date 28/12/2022 is to be signed page by page as part of compliance and acceptance of the tender condition on back to back basis.

1.6 BID SECURITY (EARNEST MONEY DEPOSIT)

- EMD of INR 7,20,000 /-(Rs. Seven Lakhs Twenty Thousand Only) can be submitted by the bidder through mode of E-tendering portal of BECIL Bids received without this Bid Security (EMD) shall be summarily rejected.
- BANK Details of BECIL are appended as Mandate form on the next page.

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



यूनियन बैंक  **Union Bank**
of India

A Government of India Undertaking



(A Govt. of India Undertaking)
MID CORPORATE BRANCH, DELHI SOUTH
D -26-28, Connaught Place, NEW DELHI -110001
Tel: +91-9137849790; Fax: 01-11 23414330 ; Swift: UBININBNDL
Email: ubin0549797@unionbankofindia.bank

Ref.: MCB:ADV:ATL:2022-23:

Date: 18.01.2023

TO WHOMSOEVER IT MAY CONCERN

A	Name of the Beneficiary	BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED
i	Address with Pin Code	BECIL Bhawan, C-56/A17, Sector -62, Noida - 201307 (U.P)
ii	Permanent Account Number (PAN)	AAACB2575L
iii	(a) Telephone No.	0120-4177861
	(b) Fax Number	0120-4177879
	(c) Contact Person	Sh. Awadhesh Pandit General Manager - (Finance and Accounts)
	(d) E-mail Address	panditmd@becil.com
	(e) Mobile No.	+91-8130918866
B	Bank Particulars	
i	Bank Name	UNION BANK OF INDIA
ii	Bank Contact No	+91-9137849790
iii	Branch Address with Pin Code	26/28, 1 st Floor, D Block, Connaught Place, New Delhi, 110001.
iv	BSR Code	549797
v	MICR	110026046
vi	SWIFT CODE	UBININBNDL
vii	11 Character IFSC Code of the Bank (Either enclosed a cancelled Cheque or obtain Bank Certificate as appended)	UBIN0549797
Viii	Bank Account Number as appearing on the Cheque Book	565101000065461
ix	Bank Account Type	Overdraft
X	If other, Specify	--

*This certificate is issued on the specific request of our customer without any risk and responsibility on the part of the bank or any of its employees.

Bank Stamp with Authorized Signatory
Date 20-01-2023

1.7 Form FEES

Form Fee of Rs.1000 (One Thousand rupees) can be paid through electronic mode of payment as per mode available in e-tendering website (***UTR No. is to be provided by bidder in the technical online bid***)

Notes for EMD and Tender Fees Exemption:

- a) Micro & Small Enterprises (MSEs) (For goods and services tenders) and Start-up Enterprises are exempted from the payment of EMD & Tender Fees
- b) To avail benefits prescribed in the tender for **Start-up Enterprises**, the bidder shall submit their registration certificate issued by DIPP/DPIIT. Non-submission of requisite proof shall be treated as non-Start-up Enterprise bid.
- c) To avail benefits prescribed in the tender for Micro & Small Enterprises (MSEs), the bidder shall submit Udyam Certificate for item/services (mentioned in this tender) along with a certificate from their Statutory Auditors certifying the amount of investment in plant and machinery by Micro and Small Enterprise in accordance with provisions of MSME Act 2006 to be read with notifications No SO 2119(E) dated 26.06.2020. Non-submission of requisite proof and certificate from statutory auditors shall be treated as non-MSE bid.
- d) Traders/ resellers / distributors/authorized agents will not be considered for availing benefits under MSME Act 2006 and PPP Policy 2012 as per MSE guidelines issued by MoMSME.
- e) MSEs who are manufacturer of Goods /Items and provider of Services, need to ensure that ALL delivered Goods/items and Services of the tender are listed in their MSME/NSIC certificate. Partial-listing of Goods/Services in their certificate shall render MSEs ineligible for benefits.
- f) All MSE bidders may be registered on TReDS platform (www.rxil.cin) and MSME-SAMADHAAN portal. Participating MSE bidders shall submit an undertaking regarding the same.
- g) The bids submitted without bid security/tender fees or inadequate bid security/tender fees will be rejected. No interest shall be payable on bid security amount.
- h) If bid security/tender fees is submitted as BG/DD, it should reach o/o Tender Accepting Authority), BECIL Bhawan, C-56/ A-17, Sector- 62, Noida, U.P.- 201307, within the last date & time stipulated for bid submission in the tender.
- i) The EMD/Bid Security of unsuccessful bidder shall be returned within 30 days after expiry of the bid validity.
- j) The EMD/Bid Security may be forfeited if:
 - i. If the Bidder withdraws his bid during the period of bid validity specified by the Bidder on the Bid form or
 - ii. fails or refuses to execute the Contract, if required; or
 - iii. The successful bidder fails to submit performance security within the prescribed time.

1.8 VALIDITY PERIOD OF BID: 60 Days from the last date of submission of EOI.

1.9 AUTHORIZATION LETTER/ BOARD RESOLUTION:

The bidders need to submit board resolution along with authorization Letter in Online mode authorizing the signatory to act on behalf of the bidder. The Authorized person should be either authorized by Board or authorized by someone who has the Board Resolution to delegate authorization to other.

The bidder should ensure that the Digital Signature used for uploading the tender document in e tenderportal should be of the authorized signatory.

1.10 Contract Signing

Selected bidder will have to sign contract Agreement with BECIL , upon selection recommendation by the competent authority.

1.11 SUBMISSION OF FORGED DOCUMENTS

Bidders should note that BECIL may verify authenticity of all the documents/ certificate/ information submitted by them against the EOI. In case at any stage of this process, if it is established that bidder has submitted forged documents/certificates/information towards fulfillment of any of the EOI/contract conditions, BECIL shall immediately reject the bid of such bidder(s) or cancel/terminate the contract and forfeit bid security / Performance Security submitted by the bidder and debar them from participation in future tenders of BECIL for a period up to 3 years.

1.12 CLARIFICATION FROM BIDDERS

The queries may be asked from bidders for submitting shortfall to be submitted within specified date and time. Also, every document submitted against following queries should be signed by the person authorized as per Authorization letter / Board Resolution submitted by bidder against tender, without which the documents will not be accepted as valid.

END OF SECTION-1

SECTION 2. GENERAL TERMS & CONDITIONS OF THE CONTRACT

2.1 Right to accept or reject any or all proposals

- a) Notwithstanding anything contained in this document, BECIL reserves the right to accept or reject any proposal and to annul the Selection Process and reject all proposals, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.
- (b) BECIL reserves the right to reject any proposal if:
- (I) at any time, a material misrepresentation is made or discovered,
Or
- (ii) The bidder does not provide, within the time specified by the BECIL, the supplemental information sought by the BECIL for evaluation of the proposal. Misrepresentation/improper response by the bidder may lead to the disqualification of the bidder.

2.2 Conflict of Interest

- a) BECIL requires that bidders provide professional, objective, and impartial advice and at all times and hold the Government Departments/Any Government Organization's Interests paramount, strictly avoiding conflicts with other Assignment/jobs or their own corporate interests and act without any consideration for future work.
- b) Without limitation on the generality of the foregoing, bidders, and any of their affiliates, shall be considered to have a conflict of interest and shall not be engaged, under any of the circumstances set forth below:
- i. **Conflicting activities:** A bidder that has been engaged by the Government Departments/Any Government Organization to provide goods, works or assignment/ job other than consulting assignment/ job for a project and any of its affiliates, shall be disqualified from providing consulting assignment/job related to those goods, works or Assignment/job. Conversely, a bidder hired to provide consulting assignment/job for the preparation or implementation of a project and any of its affiliates, shall be disqualified from subsequently providing goods or works or assignment/job other than consulting assignment/job resulting from or directly related to the bidder's consulting assignment/job for such preparation or implementation. For the purpose of this paragraph, assignment/job other than consulting assignment/job a re-defined as those leading to a measurable physical output.
 - ii. **Conflicting Assignment/job:** A bidder (including its Personnel and Sub-contractors) or any of its affiliates shall not be hired for any Assignment/job that by its nature, may be in conflict with another assignment/job of the bidder to be executed for Government Departments/Any Government Organization.
 - iii. **Conflicting relationships:** A bidder(including its Personnel and Sub-contractors)that has a business or family relationship with a member of the Government Departments/ Any Government Organization's staff who is directly or in directly involved in any part of(i)the preparation of the Scope of Work related to the assignment/ job,(ii)the selection process for

assignment/ job, or(iii)supervision of the Contract, may not be awarded a Contract, unless the conflicts terming from this relationship has been resolved in a manner acceptable to the Government Departments/Any Government Organization throughout the selection process and the execution of the Contract.

- c) Bidders have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of Government Departments/Any Government Organization, or that may reasonably be perceived as having this effect. Any such disclosure shall be made as per the Standard forms of technical proposal provided herewith. If the bidder fails to disclose said situations and if the Government Departments/ Any Government Organization comes to know about any such situation at any time later, it may lead to the disqualification of the bidder during bidding process or the termination of its Contract during execution of assignment.

2.3 SUBMISSION OF LAND BORDER CERTIFICATE

- a) Bidders shall submit the Undertaking as Per Office Memorandum number :.F. No.6/18/2019-PPD dated 23.07.2020 Published by Ministry of Finance, Dept. of Expenditure, Public Procurement division
- b) The undertaking to contain the declaration “We hereby certify and confirm that, we comply in accordance with Office Memorandum for Insertion of Rule 144 (XI) in the General Financial Rule (GFR)- 2017/2019-PDD dated July 2020 by Public Procurement division, Department of Expenditure, Ministry of Finance”

2.4 RISK PURCHASE

- a) In case, the sub-contractor/ Supplier is not performing its obligations under the contract, the notice shall be sent as per law to the sub-contractor informing that in case of non-performance by a particular date/ period, the contract shall be terminated and the work/ project will be executed (through a third party) at the risk and cost of the said sub-contractor/ supplier as per the terms of the contract.
- b) On completion of the specified period/ date, the notice of termination shall be issued clearly specifying that the remaining work shall be executed (through a third party) at the risk and cost of the sub-contractor/supplier. Along with this notice of termination, intimation shall be sent to the said sub-contractor/ supplier for joint preparation of inventory of the works performed/ supplies already undertaken by him. If the sub-contractor/supplier fails to turn up on an appointed date for joint preparation of inventory, in that situation he shall be proceeded ex parte and the inventory shall be prepared by BECIL/ Employer and the same be sent to the sub-contractor/ supplier.
- c) Further at the time of award of work to another sub-contractor/ Supplier, if the work is awarded at an additional cost than the original sub-contractor/ Supplier, another notice may be issued to the original sub-contractor/ Supplier specifying that the work has been awarded to another agency at the additional cost of such and such amount, and he is liable to pay that amount to BECIL.
- d) Demand notices may be sent to the original sub-contractor/ Supplier from time to time.

2.5 ARBITRATION

Any dispute or difference or claim arising out of or in relation to this Supply Order, including the construction, validity, performance or breach thereof, shall be settled or decided by arbitration to be conducted by CMD, BECIL or by any other person to be nominated by CMD, BECIL. Arbitration shall be conducted as per Arbitration & Conciliation Act, 1996. The seat of the arbitration shall be at New Delhi.

2.6 OFFLINE DOCUMENTS

The Bidder should submit all the bid documents online as indicated in the Tender /EOI schedule. The Tender Fees / EMD (if paid through online mode), Acknowledgement receipt is to be provided by bidder in their online bid.

2.7 BANNING OF NON-PERFORMING VENDOR

In case any of the vendor's work/ PO/ agreement is cancelled/ terminated by BECIL after award, due to non-performance, the vendor may be banned/ blacklisted upto 3 years or any other action as deemed fit may be taken by BECIL.

2.8 AMENDMENT TO EOI DOCUMENTS

a) At any time, prior to the date of submission of bids, BECIL may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI documents by amendments, which shall be available on BECIL Website and the e-tendering portal.

b) In order to give required time to the prospective bidders, in which to take the amendments into action in preparing their bid, BECIL may at its discretion extend the deadline for submission of bid suitably.

2.9 MODIFICATION AND WITHDRAWAL OF BIDS

a) Bid withdrawal/ modification shall not be allowed after end date and time of bid submission.

b) Withdrawal of a bid between the deadline for submission of bids and the expiration of the period of bid validity specified in the tender or as extended, may result in the forfeiture of the bid security. Such defaulting vendor is liable to be debarred from participating in future bids for a period of upto 3 years.

2.10 CLARIFICATION OF BIDS

During evaluation of bids, BECIL may at its discretion ask the Bidder for clarifications/ confirmations/ deficient documents of its bid. The request for clarification and the response shall be in writing and no change in the price of substance of the bid shall be permitted.

2.11 TERMINATION FOR DEFAULT

- a) BECIL may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part.
- if the supplier fails to deliver any or all the services/goods within the time period specified in the contract, or any extension thereof granted by BECIL.
 - if the supplier fails to perform any other obligation(s) under the contract;
 - if the supplier, in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as BECIL may authorize in writing) after receipt of the default notice from BECIL.
 - Failure of the successful bidder to comply with the requirement of submission of performance security shall constitute sufficient ground for cancellation of the award of work and forfeiture of the bid security.
- b) In the event BECIL terminates the contract in whole or in part pursuant to above clause, BECIL may procure, upon such terms and in such manner as it deems appropriate, goods/ services similar to those undelivered and the supplier shall be liable to BECIL for any excess cost for such similar goods/ services. However, the supplier shall continue the performance of the contract to the extent not terminated.

2.12 TERMINATION FOR INSOLVENCY:

BECIL may at any time terminate the contract by giving written notice to the supplier, without compensation to the supplier, if the supplier becomes bankrupt or otherwise insolvent as declared by the competent court; provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to BECIL. At any time, in case it comes to the knowledge of BECIL any of wrong information related with eligibility of the bidder or non-compliance to any terms and conditions of tender, then BECIL reserves the right to cancel or reject the bid of such bidder, cancel the tender/EOI or take any other action as deemed fit in accordance with tender terms and conditions.

END OF SECTION-2

SECTION – 3

SPECIAL CONDITIONS OF CONTRACT

Note: In case clauses/ sub-clauses have any difference mentioned in this EOI at different places, the conditions mentioned in this section shall prevail. The terms and conditions of this section shall be on back to-back basis based on client's tender Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani Invited by **Office of the superintending Engineer, 5th E/M Circle, PWD, Haldwani Tender Notice No.1097/18C.B.-05/21-22 Date 28/12/2022**

3.1 PAYMENT TERMS

All the payment terms shall be on back to back basis. Payment will be released to the vendor on receipt of the corresponding payment from the client.

3.2 PERFORMANCE SECURITY

- a) The bidder will submit undertaking to submit back-to-back PBG (Performance Security) as submitted by BECIL to end Client. The Performance security to be submitted Rs. 17, 13,866.00 and Additional performance Rs. 5, 20,255/- Five lac Twenty Thousand two Hundred Fifty Only valid until three months beyond the actual project completion timeline of BECIL.
- b) PBG to be submitted in the prescribed format as Annexure B to this EOI.
- c) The proceed of performance security shall be payable to BECIL in case of breach of any of the terms and conditions of the contract /PO/ tender by the vendor. Recovery/ adjustment due to LD or any other loss to BECIL shall be in addition to point f).
- d) The performance security will be discharged by BECIL after completion of supplier's obligations, including any warranty obligations, under the contract.
- e) PBG should be valid until three months beyond the actual project completion timeline of BECIL the PBG shall be refunded once the PBG of BECIL is returned by the client.
- f) Failure of the successful bidder to submit the Performance Security or bidder's failure to complete its obligations under the contract shall constitute sufficient ground for the annulment of the award / cancellation of the award of work and forfeiture of the bid security/ performance security.
- g) Additionally, BECIL reserves the right to debar such defaulting bidder from

participating in future bids for a period up to 3 years.

3.3 PAYING AUTHORITY

NAME: BECIL ,14-B Ring road Indraprastha Estate, New Delhi -110 002
GSTIN :07AAACB2575L1ZK

3.4 INSURANCE: *The Goods supplied under this Contract shall be comprehensively insured by System Integrator at its own cost, against any loss or damage due to factors including but not limited to theft, riots, fire, manmade disaster or natural disaster for the entire period of the contract. System Integrator shall submit to the END CLIENT, documentary evidence issued by the insurance company, indicating that such insurance has been taken.*

(a) At the BECIL's request, shall provide evidence to the END CLIENT showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.

(b) Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate

(c) Insurance coverage shall also adhere to 'Clause of Delivery'.

(d) For liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the System Integrator's performance of the Contract including the System Integrator's liability for damage to the END CLIENTS's property other than the Works and

(e) For liability of both Parties and of any END Client's representative for death and injury to the System Integrator's personnel except to the extent that liability arises from the negligence of the END CLIENT, any END CLIENT's representative or their Employees.

3.5 DELIVERY / IMPLEMENTATION SCHEDULE

a) THE SITC of all the four sites has to be completed on or before 15 December 2023.

b) Hardware Warranty: The bid of the bidders will include comprehensive on-site warranty, covering replacement of all unserviceable parts, for the first year starting from the date of installation and acceptance of the system by the Department. The bidder shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all Installed equipment covered by the Bid Document. The bidder must warranty all equipment, against any manufacturing defects during the warranty period.

c) Support: The bidder is required to provide sound-service after-installation and commissioning of the system by arranging timely attending of calls as per SLA, where the equipment has been installed & commissioned and problem rectification through competent service engineers. The desired support line should be uniformly maintained at all the sites. To ensure timely rectification of the complaints, the bidder has to maintain sufficient Inventory of spare parts/equipment at all the support centers to avoid unnecessary delay in obtaining the spare parts/equipment. The bidder must supply the escalation matrix for service/support infrastructure meant for registering

complaints along with the contact numbers like mobile nos., phone nos., electronic mail addresses and names etc.

d) Comprehensive Annual Maintenance Contract (CAMC) after expiry of one year satisfactory comprehensive warranty service, the bidder has to undertake CAMC for 2nd, 3rd year of the complete installation of CCTV Surveillance System free of cost. The bidder will not outsource the maintenance work assigned by the department, to any second party and will arrange attending of all complaints registered by the department or department's Client officials through its own service/support infrastructure or OEM's service center only. Protection against theft and damages shall be the responsibility of the bidder till handing over of the installation.

e) Hardware Failure : During the warranty period, any equipment fails to function properly four times or more during a quarter due to any reason except Force Majeure event, the bidder shall arrange replacement of the same by new equipment of same or higher configuration, at no extra cost to the department's Client.

f) SLA and COMPENSATION FOR LACK OF SERVICE SUPPORT : Department expects proper service/maintenance support during warranty and post warranty period. The system/ equipment should be set right within 24 hours of reporting the complaint by SMS or Email through software or phone or any other manner. In case the system/equipment is not made functional for more than 24 hours and no substitute is provided by the bidder, a compensation at the rate of Rs. 500 per camera per day shall be imposed on the bidder. Email/ SMS/ phone call will be considered as valid means to report complaint. if the performance of the firm is not found to be satisfactory, the department may initiate the case for blacklisting of the firm.

In case of non-functioning of any component of CCTV Video Surveillance System, which includes VMS, Helpdesk support, storage and Disaster Recovery etc. beyond 24 hrs a compensation of Rs. 1000/- per day shall be imposed on the bidder and shall be recovered from the amount payable to the firm.

Overall uptime availability; - It is desired that during defect liability period entire system shall remain functional all the times. However, the uptime of all the CCTV system up to 98% on calculated on quarterly basis is acceptable without any compensation. However a compensation of Rs. 50,000.00 (Rs. Fifty thousand) for each percent of uptime below 98% downtime exceeding shall be levied/imposed on the firm subject a maximum of 5% of contract amount.

g) Overall Uptime/downtime shall be calculated based on log of VMS for each camera for respective prison Complex. To secure the VMS log, Bidder shall provide proper authentication and authorization mechanism. The quarterly uptime/downtime report of CCTV Video Surveillance System shall be generated at main control room of each jail Complex which shall be final and binding to all the bidders.

3.6 SOP FOR PREVENTIVE MAINTENANCE (PM)

(a) Regularly scheduled preventive maintenance shall be performed at least 'once in each months or as recommended in the product support documentation. This maintenance includes all cleaning, lubrication, inspection, testing, calibration, focusing of field equipment, checking of cable insulation, checking for corrosion of steel support, painting to save from rusting, repairing of concrete base of field

equipment " and structure, checking of cable clamps and replacements if so needed as well as necessary alignment to prevent failures.

- (b) Bidder shall ensure that all Preventive Maintenance works are properly carried out with minimum interruption to the operation of the system.
- (c) Bidder shall submit a rolling monthly/quarterly maintenance work program as per an approved checklist. Bidder shall also submit a Preventive Maintenance report to the department. Department reserves the right to add and delete items on the check list without any additional cost.
- (d) Bidder shall liaise with the respective proprietary software/hardware bidders/suppliers or other Bidders to ensure that all required maintenance is met.
- (e) Hardware Preventive Maintenance shall include all scheduled servicing actions, Scheduled servicing shall include accomplishment of periodic inspection, condition, monitoring, critical parts replacements, overhaul, adjustment, calibration, etc. In addition, servicing requirements (i.e. lubrication, cleaning; housekeeping, etc.) shall also be included under the general category of schedule servicing.

NOTE : Software Preventive Maintenance shall include but not remains limited to the following:

- Installation, reconfiguration, testing and implementation of standard corrections, patches and updates of all software.
- Performing regular backup so as to restore the system in the shortest possible time; and
- In the event that the software support from the OEM is terminated, Bidder shall be responsible for maintaining the affected software at no additional cost and with no adverse delay to the operation of system.
- Licenses for all the operating and application software etc. shall be made available by the Bidder at no additional cost. The original agreement documents. of all the licenses shall be submitted to department within a week of its renewal.
- Bidder shall be responsible to supply and install the latest antivirus software and patches as well as the associated license. The antivirus software shall be include at least the following features:
 - Functions to automatically scan all file inputs, outputs, downloads, program execution and other system related activities;
 - Functions to clear or delete the infected file(s);.Ability to check specific files for viruses;
 - Ability to allow the creation of emergency back-up disk to start and clean infected boot sector virus; and
 - Ability to push signature files and upgrades from one main console to the rest of the hardware. There shall be no manual updates and upgrades on individual servers and workstations.
 - Bidder shall update the virus definition file as and when new update is available.
- The Preventive Maintenance works shall include at least the following:
 - Checking and tightening the supports on all mounting poles and replacing them if

- worn out. Cleaning of field equipment and focusing alignment cleaning of inside of equipment and focusing alignment cleaning of inside of equipment housing of
- dirt, dust etc;
 - Checking the mounting brackets for all field equipment and replacing them when damaged or when cracks are observed.
 - Checking metal parts for corrosion, burst-off and repainting them as required.

 - Carrying out cable insulation tests when required by department.
 - Checking the condition of earthing, electrical wiring and lightning arrestors and all outdoor equipment.
 - Monitoring, optimization and fine tuning of the systems;
 - Perform system backup and restoration for CCTV Video Surveillance System;
 - Ensuring security of the System and to report any security violations to department.
 - Any other work which affects quality of its output.

 - Any Preventive Maintenance work carried out shall not cause any disruption to the operation of System and all the communication links. In the event that any System downtime is required during PM work, Bidder shall seek Jail Authorities approval prior to carrying out the works.

3.7 SPECIAL CONDITIONS

- (a) The Work shall be carried out as per latest DSR/BIS specifications and as per instructions of Engineer in-charge.
- (b) Staff employed by the bidder will have to wear a proper uniform display his name &
- (c) designation and have a proper identity-card issued for the purpose. (uniform shall be supplied by the bidder).
- (d) All the Tool, Plants, equipments and furniture required for this work, shall be arranged by the bidder at his own cost.
- (e) The scope shall also include facility to block/unblock all USB ports of all the Work-stations. The System should be designed such that USB port shall be accessible only in administrator login mode & not in user/operator mode of operation.
- (f) Network load balancing is required to avoid bandwidth congestion.
- (g) Audio recording should be provided at specific location.
- (h) The client software should be user friendly so that the jail staff can operate and manage the system in an effective manner.
- (i) CCTV should not be accessible by outside public IP.
- (j) There should be atleast 100 days provision for data storage at Sub-Control room in each individual Jail as well as atleast 100 days provision for data storage at main control room in each Prison Complex. All cameras should record at full resolution and full frame rate at both locations.
- (k) The UPS and batteries used for the back-up units should be kept in an isolated chamber with proper ventilation.
- (l) Different conduit should be laid out for the Power cable and the control/data cables.
- (m) The system should have real time automated health monitoring software for all the components of the CCTV network.
- (n) The numbering of the cameras should be sequential in such a way that these cover all interlined stretches/areas.
- (o) The IP camera must support activity controlled frame rate control to automatically adjust frame rate depending on motion in the scene. During period of negligible motion, the frame rate must drop to 5FPS, and when motion occurs the frame rate

Will return to full frame rate i.e. 25/30 FPS within 100 ms. it must be configurable using a region of interest editor (ROI) that can select regions of the scene where motion will be ignored.

- (p) Bidder may propose solution of only disk storage. Solution should support to run analytics on recorded data.
- (q) Bidder should purchase onsite warranty from OEMs of major component like camera, switches, Server & Storage for five years from the date of taking over the installation by the department.
- (r) Work is to be executed in functional jails and there shall be restriction to execute the work in odd hours.
- (s) Jails manual have to be followed for bringing of material and labors i/c security check (Timings) etc Contractor to prepare comprehensive shop drawing and single line diagram based tender BOQ. Contractor to take approval of Department / Jail Authorities / all respect agency on shop drawing and single line diagram before executing the work.

3.8 WARRANTY

As per the Tender Notice No.1097/18C.B.-05/21-22 Date 28/12/2022 the bidder should provide the warranty of 1 year from the date of completion of the project. The same shall be provided by the Bidder .

3.9 PERIOD OF CONTRACT

The contract shall be valid until the completion of Project and corresponding AMC is provided by the bidder.

3.10 TERMINATION OF CONTRACT

- (a) Either Party may give a 60 day written notice to each other if there is substantive breach in the deliverables of the project as agreed upon on paper between BECIL and Bidder
- (b) The termination can happen under the Contract
 - (i) if the Contract is withdrawn/ cancelled by End User.
 - (ii) Default on the part of Bidder in execution of the Contract;

Any other condition has arisen which, in the reasonable opinion of BECIL, interferes, or threatens to interfere, with the successful carrying out of the Project or the accomplishment of the purposes of the Contract. This applies when Bidder has not been able to make good any deficiency of service and/or compliance of the terms & Conditions of the Contract/RFP/NOA despite being told about it within a month from the date of notice.

3.11 LIQUIDATED DAMAGES : In the event of Bidder's failure to submit the bonds, Guarantee and documents, supply the stores/goods and conduct trials, installation of equipment, training, etc. as specified in this EOI /Contract/ RFP Document/ NOA, BECIL may, at his discretion, withhold payment of Bidder until the completion of the contract. BECIL may also deduct from the Bidder as agreed, total quantum of liquidated damages imposed by END Client on BECIL.

END OF SECTION-3

SECTION-4

SCOPE OF WORK

1. Work Location is appended as below:

S/No.	Work Details	District	Place / Location
1.	Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.	Almora, Nainital and Udham Singh Nagar	District Jail- Almora District Jail- Nainital Central Jail- Sitarganj Sub Jail- Haldwani

2. **Project Location.** - District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani. District: – Nainital, Almora and Udham Singh Nagar.

3. **Land use :** Govt

4. **Specification**

Please refer the BOQ for the for the components and quantity details. The quoted price should be inclusive of GST and Labor cess.

5. **Work completion :** The bidder has to obtain Completion certificate after release of final payment .

6. The Client's Tender No Tender Notice No.1097/18C.B.-05/21-22 Date 28/12/2022 for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani and its subsequent addendum/ corrigendum forms an integral part of this EOI. The tender notice no. No.1097/18C.B.-05/21-22 Date 28/12/2022 is to be signed page by page as part of compliance and acceptance of the tender condition on back to back basis.

END OF SECTION-4

All relevant formats, client RFP, Price Schedule etc to form part of the EOI.

Annexure A: Format of Resume of the Proposed Personnel as per eligibility criteria.

The Bidder shall provide all the information requested below. Fields with asterisk (*) shall be used for evaluation

Position*		
Personnel information	Name	Date of birth
	Professional qualifications	
	Contact number	
Present employment	Name of employer	
	Address of employer	
	Telephone	Contact (manager personnel officer)
	Fax	E-mail
	Job title	Years with present employer

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From*	To*	Company	Position	Relevant Technical and Management Experience*

Annexure B : Format of PBG

PERFORMANCE BANK GUARANTEE

No.....

Dated:.....

The Chairman & Managing Director,
Broadcast Engineering Consultants India Limited,
14-B, I.P.Estate, Ring Road,
New Delhi

Against purchase order no. _____ dated _____ for _____ (hereinafter called the said contract) entered into between Broadcast Engineering Consultants India Ltd. (BECIL), 14-B, Ring Road, I.P. Estate, New Delhi (herewith called the Purchaser) and _____ (hereinafter called the supplier), this is to certify that at the request of the supplier we _____ (hereinafter referred to as the Bank), do as primary obligor and not merely as surety, hereby irrevocably unconditionally and absolutely undertake against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser by reason of any failure of the supplier to perform or omission or negligence to perform any part of his/their obligation, viz. the performance of the contract till warranty period, to the satisfaction of the purchaser in term of the contract.

We _____ do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Purchaser by reason of any breach by the said supplier (s) or any of the terms and conditions contained in the said contract or by reason of the supplier(s) failure or omission or negligence to perform the said contract till warranty period or any part thereof. Any such damage made on the bank shall be conclusive as regards the amount due and payable by the bank upon this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding _____

We undertake to pay to the Purchaser any amount so demanded by the Purchaser, notwithstanding:

Any dispute or difference between the Purchaser or the supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto, or

The invalidity, irregularity or unenforceability of the contract or

Any other circumstances which might otherwise constitute discharge of this guarantee including any act or omission or commission on the part of the Purchaser to enforce the obligation by the

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



Purchaser or any other person for any reason whatsoever.

We _____ further agree that the Guarantee herein contained shall be contained one and remain in full force and effect during the period that would be taken for the performance of the said agreement till warranty period and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said agreement till warranty period have been fully paid and its claims satisfied or discharged or till BECIL certifies that the terms and conditions of the said agreement till warranty period have been fully and properly carried out by the said supplier and accordingly discharge this guarantee.

We _____ hereby agree and undertake that any claim which the bank may have against the supplier shall be subject and subordinate to the prior payment and performance in full of all the obligations of the bank hereunder and the Bank will not, without prior written consent of the Purchaser, exercise any legal rights or remedies of any kind in respect of any such payment or performance so long as the obligations of the Bank hereunder remaining owing and outstanding regardless of the insolvency liquidation or bankruptcy of the supplier or otherwise howsoever. We will not counter claim or set off against its liabilities to the Purchaser with it.

We _____ further agree with Purchaser that the Purchaser shall have the fullest liberty without or consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said suppliers from time to time or to postpone from any time or from time to time and of powers exercisable by the Purchaser against the said suppliers and forbearor enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said suppliers or for any forbearance, act or omission on the part of the Purchaser or any indulgence by the Purchaser to the said suppliers or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank or the supplier

We _____ - lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Purchaser in writing.

Notwithstanding anything contained herein above.

Our liability under this guarantee shall not exceed _____)

This guarantee shall be valid up to and including _____; and

We are liable to pay the guaranteed amount or any part there of under this Bank Guarantee only and only if you have served upon us a written claim of demand on or before expiry of this guarantee.

Dated the..... date of.....

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



ANNEXURE C : BIDDER'S GENERAL INFORMATION (ON BIDDER'S LETTER HEAD)

Bidder need to fill in the details (with supporting documents attached).

1.	Name of Bidder	
2.	Type of Bidder(registered company under Indian Companies Act, 1956/2013	
3.	Year of establishment	
4.	Address of registered office with telephone no. and fax no.	
5.	Address of office/sin National Capital Region of Delhi	
6.	A profile of the bidder clearly declaring the domain specific expertise/experience of the bidder	
7.	No. of years of Experience in CCTV	
8.	PAN No.	
9.	GSTN Reg. No.	
10.	Whether the firm has been blacklisted By any Central Govt. /State Govt./PSU/ Govt. Bodies/Autonomous? If yes, details thereof.	
11.	Status and details of disputes/litigation/arbitration, if any.	
12.	Name, Designation and address of the Officer to whom all references shall be made regarding this EOI	
13.	Contact details of Authorized signatory In reference to this EOI	

(Authorized Signatory) Signature:

Name:

Designation:

Address:

Seal:

Date

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



Annexure D

Technical Specifications for Indoor Dome camera

(MODEL: TYCO Illustra ISV V05M024S-N)

S.N.	Description	Specification	Compliance (Yes/No)	Make & Model
1	Image Sensor	1/3" Progressive Scan CMOS or better		
2	Day/ Night Operation	Yes with Built in IR Cut Filter		
3	Minimum Illumination	Color 0.30 lux, Mono 0.1 Lux or better (30 IRE)		
4	IR Range	Optimized IR with 30Mtr or aboverange,		
5	Lens	3-9 mm or better, Megapixel Lens with Motorized zoom and focus		
6	Analytics	motion detection, camera tampering		
7	Electronic Shutter	(1/25 to 1/15000) or better		
8	Image Resolution	2560x1440, 4MP or better		
9	Compression	H.265		
10	Frame Rate and Bit Rate	30 FPS		
11	Audio Streaming	Full-duplex, 1 IN & 1 Out		
12	Video Streams	Encryption minimum H.265 or better		
13	Motion Detection	Yes built in with multiple configurable areas in the video stream		
14	Wide Dynamic Range	90dB or better		
15	Backlight Compensation	Required		
16	Edge Storage	SSD Storage at Edged 64 GB from day one and expandable up to 128 GB		
17	Protocols	HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP, SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF		
18	Interface	RJ 45, 100 Base TX		
19	Operating Temperature	-10 °C to 50 °C		
20	Operating Humidity	20-90% RH (non-condensing)		
21	Certification	UL, CE, FCC, ONVIF		
22	Environmental Rating	IP66/67, IK10		
23	Warranty	3 Years OEM warranty		
24	Power Requirement	Power Over Ethernet (P.O.E.) or higher power input.		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



Technical Specifications for PTZ Camera (MODEL : TYCO ISS04P6ONWITA)

S.No.	Description	Specification	Compliance (Yes/No)	Make & Model
1	Image Sensor	1/3" Progressive Scan CMOS or better		
2	Number of Effective Pixels	4MP or better		
3	Day/ Night operation	Automatic with IR Cut Filter		
4	Minimum Illumination	Color 0.30 lux, Mono 0.1 Lux or better (30 IRE)		
5	High-speed pan-tilt functionality	360° endless pan range and a 180° tilt range		
6	Optical Zoom	Optical 30x Minimum & 12x Digital Zoom or better		
7	Lens	Lower Range 4.3 mm to 5.0 mm or better Higher Range 129 mm to 150 mm or better		
8	Pan, tilt and pre-set speed	Pan - 0.1° - 240°/s or better Tilt: 0.1°/s - 120°/s or better		
9	Image Resolution	4MP,2560x1440 or better		
10	Compression	H.265 or better		
11	Frame Rate and Bit Rate	30fps		
12	Video Streams	Encryption minimum H.265 or better		
13	Motion Detection	Required		
14	Electronic Shutter	1/25 sec to 1/15,000 sec or better		
15	Wide Dynamic Range	90 dB or better		
16	Analytics	Line crossing, Removed object, Idle object, intrusion.		
17	Backlight Compensation	Required		
18	Privacy Masks	Minimum 20 configurable		
19	Pre-set Positions	Minimum 256		
20	Guard Tour	Minimum 2 No's		
21	Edge Storage	SSD Storage at Edged 64 GB from day one and expandable up to 128 GB		
22	Protocols	HTTP/HTTPS/SSL/TLS/TCP/ ICMP/RTSP/RTP/UDP/IGMP/RTCP/ SMTP/FTP/DHCP/UPnP/ARP/DNS/ DynDNS/SMTP/IPv4/IPv6/ONVIF		
23	Interface	RJ 45, 100 Base TX		
24	Enclosure	Aluminum enclosure, IP66 rated		
25	Mount	Wall / Pole Mount		
26	Alarm	1 Configurable Input/ Output Ports		
27	IR Range	Inbuilt with 180M tr. or above Range		
28	Operating Temperature	-10 °C to 55 °C		
29	Operating Humidity	20-90% RH (Non condensing)		
30	Certification	UL, CE, FCC, ONVIF		
31	Environmental Rating	IP66/67, IK10		
32	Warranty	3 Years OEM warranty		
33	Power Requirement	Power Over Ethernet (P.O.E.)		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



Technical Specifications for Bullet Camera (MODEL :TYCO illustra ISV B05M024S-N)

S.No.	Description	Specification	Compliance (Yes/No)	Make & Model
1	Image sensor	1/3"Progressive Scan CMOS or better		
2	Lens	Replaceable 3 to 9 mm or better		
3	True Day and Night	Yes		
4	Minimum Illumination / Light Sensitivity	Color 0.30 lux, Mono 0.1 Lux or better (30 IRE)		
5	IR Filter / IR Distance	Automatic Built in IR Cut filter, IR distance-50 Mtr.		
6	Shutter Speed	1/30 to 1/15000 or better		
7	Video Compression	H.265 or better		
8	Resolutions and frame rates (H.265)	4MP,2560x1440 or better		
9	Video Streams	Encryption minimum H.265 or better		
10	Local storage	SSD Storage at Edged 64 GB from day one and expandable up to 128 GB		
11	Analytic	Motion Detection, tampering detection		
12	Image Settings	Colour, Brightness, Sharpness, Contrast, White balance, Backlight compensation, Image Mirroring, Text and image overlay, BLC/BGC required		
13	Supported Protocol	HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/ RTCP/SMTP/ FTP/ DHCP/UPnP/ARP/DNS/ DynDNS/ SMTP/lpv4/lpv6/ONVIF		
14	ONVIF	Profile S		
15	Operating Temp	-10° to 50°C		
16	Backlight Compensation	On/Off		
17	Wide Dynamic Range	90 dB or better		
18	IR – Internal/External	IR 50 meters to be considered Internal or external		
19	Housing	IP 66/67 Rated IK 10 rated for outdoor use		
20	Certifications	UL, CE, FCC,ONVIF		
21	Environmental Ratings	IP66/67 and IK10 Rated		
22	Power Requirement	Power Over Ethernet (P.O.E.) or Higher Power input.		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



8 Port PoE Layer 2 Switch:- (MODEL : EXTREME NETWORKS : 5320-16P-4XE)

S.No	Parameter	Specifications	Compliance Yes/No	Make & Model
1	Port Density	8x1G Base-T PoE ports		
		4x1G SFP ports upgradable to 4x10G SFP+ for future scalability in same hardware.		
2	PoE Support	Should support PoE with Power budget of 200w or more. Switch should have RPS support.		
3	MAC addresses	16K or more		
4	Layer 2 Features	Support 802.1D, 802.1S, 802.1w,G.8032,IEEE 802.1BA,Openflow/SDN,API, Support up to 4000 VLAN ,Link Layer Discovery (LLDP)/CDP		
		Support 802.1X Security standards		
		Support Port trunking/link aggregation (LACP)		
5	Switching capacity	104Gbps or better.		
6	Management	CLI, GUI, SNMP V1, V2 and V3		
		Should support 4 groups of RMON, TeInet, SSHv2		
		Support NTP/SNTP		
7	Security	MAC filtering		
		Support RADIUS authentication		
		Support IEEE 802.1X multi-suppllicant authentication		
		Support VLAN/ Double tagging (Q-in-Q), VLAN Mirroring , UDLD or equivalent		
8	Certifications	UL,FCC,CSA.		
9	Environment	Operating Temperature - 0 to 50C or better, Humidity: 10% to 95% relative humidity, non-condensing		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



24 Port PoE Layer 2 Switch:- (MODEL: EXTREME NETWORKS 5320-24P-4XE)

S.No	Parameter	Specifications	Compliance Yes/No	Make & Model
1	Port Density	24x1G Base-T PoE ports		
		Switch should have 8x1G SFP ports.4x1G SFPs should be upgradable to 4x10G SFP+ for future scalability in same hardware.		
2	PoE Support	Should support PoE with power budget of 380w or more.Switch should have RPS support.		
3	Mac Address	16K or More		
4	Layer 2 Features	Support 802.1D, 802.1S, 802.1w,G.8032,IEEE 802.1BA,Openflow/SDN,API		
		Support 802.1X Security standards		
		Support 802.1Q VLAN encapsulation, IGMP v1,v2 and v3 , MLD , DHCP Snooping		
		Support up to 4000 VLAN ,Link Layer Discovery (LLDP)/CDP		
5	Switching capacity	128 GBPS or better		
6	Management	CLI, GUI, SNMP V1, V2 and V3		
		Should support 4 groups of RMON, SSH		
		Support NTP/SNTP		
		Support RADIUS authentication		
7	Certifications	Support IEEE 802.1X multi-suplicant authentication ,UDLD or equivalent		
		UL, CE, FCC.		
8	Environment	Operating Temperature 0 to 50 °C or better. Humidity: 10% to 95% relative humidity, non-condensing		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



24 Port SFP Layer 3 Switch (MODEL : EXTREME NETWORKS 5520-24X)

S.No	Parameter	Specifications	Compliance Yes/No	Make & Model
1	Port Density	241G/10G SFPports + 4x 10G SFP+,switch should be scalable to 2x40Gbps ports in same hardware. Switch should have dual redundant hot swappable power supplies and fan.		
2	Switching Capacity	Should support switching fabric of 290 Gbps or more		
3	Forwarding rate and Multicast Group	Should support min forwarding rate of 220Mpps and 3K Multicast groups.		
4	MAC Addresses	90K or more		
5	Layer 2 Features	Support 802.1D, 802.1S, 802.1w, Rate limiting, 802.1x, 802.1Q, 802.1BA,IGMP v1,v2 and v3 snooping, IEEE 802.1ad , MLD snooping, MPLS support for future scalability, Switch should Support sflow/netflow/Jflow,openflow/SDN		
6	Layer 3 Features	Should support Static routing, RIP,OSPF,BGP		
7	Management	CLI, GUI, SNMP V1, V2 and V3, USB/SD support Should support 4 groups of RMON, Telnet, SSH,Support NTP/SNTP		
8	Security	Should support RADIUS authentication. VLAN Mirroring		
9	Interoperability	For ease of integration, all switches , Transceivers should be of same OEM		
10	Environment	Humidity: 10% to 95% relative humidity, non-condensing		
11	Certifications	UL,CE,CSA,FCC		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



S.No	STORAGE BOX/ NAS with Video Management Software. (MODEL TYCO EXACQ VISION IP08-00T-R4Z)	Compliance Yes/ No	Make & Model
	General Characteristics:		
1.	The IP Video Management Appliance shall be a RAID-5/6 protected all-in-one recording, viewing and management solution for network surveillance systems of up to 128 channels.		
2.	The IP Video Management Appliance shall come with a pre-installed VMS license.		
3(a)	The IP Video Storage Appliance shall support of 128 cameras per appliance and expandable upto 256 Cameras with load balancing of cameras minimum used 2 or more servers in District jail Almora, Central Jail Sitarganj and Sub Jail Haldwani.		
3(b)	The IP Video Storage Appliance shall support of 80 cameras per appliance and expandable upto 128 Cameras with load balancing of cameras minimum used 2 or more servers in District Jail Nainital.		
4.	The IP Video Management Appliance shall be a pre-configured and pre-installed video management solution suitable for 100 days storage capacity at full frame and at full HD(1920X1080).		
5.	The IP Video Management Appliance shall offer a bandwidth of 1200 Mbit/s or better. Shall offer a dual port Gigabit Ethernet network interface.		
6.	Windows 10 or Windows 2012 R2 or Ubuntu Linux 16.04		
7.	Operating system drive:120 GB SSD – Windows / 60 GB SSD – Linux or better		
8.	Processor : Xeon/I7 or better.		
9.	Memory 16 GB		
10.	Hot swappable Power supply		
11.	Multiple monitor view support		
12.	Motion and alarm indication		
13.	Search, playback, export, archive		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



14.	LDAP and active directory support		
15.	E-mail notifications on system health		
16.	Map support		
17.	Two-way audio, Multiple camera export		
18.	Should Comply to the following- FCC,UL,CE		

Request for Quotation for Supply Installation Testing and Commissioning of C.C.T.V. Camera's at District Jail- Almora & Nainital, Central Jail Sitarganj and Sub Jail Haldwani.



Operator Client Monitor (MODEL: SAMSUNG LC34J791WTWXXL)

S.N.	Parameters	Specification	Compliance (Yes /No)	Make
1.	Client Monitor Display Screen Size 34" (21:9)	34" (21:9)		
2.	Panel Type	Curved		
3.	Brightness	300cd/m ²		
4.	Contrast Ratio (Static)	3000:1		
5.	Resolution Ultra WQHD	(3440 x 1440)		
6.	Response Time	4ms (GTG)		
7.	Viewing Angle (H/V)	178°/178°		
8.	Feature Embedded Function	Bright, Magic Upscale, Eco Saving Plus, PIP 2.0, PBP, Easy Setting Box, Image Size, Game Mode, Free-sync, Flicker Free Interface 2 Thunderbolt3, 2 USB3.0, HDMI, DP Eco Energy/Environment Mark TUV (Low blue light, flicker free)		
9.	Ergonomics	Tilt (UP : -14°(±4°) ~ 22°(±4°), DOWN : -2°(±4°) ~ 34°(±4°)), HAS (100mm)		



EXPRESSION OF INTEREST (EOI)FOR Selection of System Integrator for Supply Installation Testing and Commissioning of C.C.T.V. Camera and associated services for uttrakhand project.

EOI Reference No. :

BECIL/PROJ/EOI/UTJAIL/2023-24/1

Name of the Bidder / Firm / Company :-

NOTE: The Item rate should be quoted as complete rate (inclusive of GST and labour cess)

Sl. No.	Item Description	Quantity	Units	RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P
1	(A)District Jail Almora S.I.T.C. of 4 MP Bullet camera 3 to 9 mm or better lens,motorized zoom,Camera Type:outdoor bullet camera Housing with IP66/67 and IK 10 rating,IR distance 50 mtrs or above with variable beam angle/intensity. Image Sensor : 1/3" Progressive Scan CMOS or better,Image Resolution : 2560x1440 at 30 fps, Compression : H.265 or better,WDR 90 db or better,Shutter speed 1/30 to 1/15000 or better, motion detection, tampering detection, IP Address Filter, Certification: CE, UL,FCC,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPV4/IPV6/ONVIF.Sensitivity: B/W-0.10 Lux Colour: 0.30 lux White Balance:Yes, Day and Night,ONVIF: Profile S. Environmental rating IP66/67 and IK 10 Rated,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB,Operating Temperature - -10 °C to 50 °C.	25	Nos		0.00
2	S.I.T.C. of 4 MP Indoor Dome camera with 1/3" CMOS or better image sensor, Image Resolution :2560x1440 or better 30 FPS ,Min. illumination - Color 0.30 lux, Mono 0.1 lux With 30 IRE,Wide Dynamic range - 90 dB or better, Day/Night operation, Electronic Shutter 1/25 to 1/15000 or better, Compression- H.265 or better, 3 to 9 mm or better Motorised Varifocal lens with motorized zoom,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Motion detection,camera tampering ,IR Range up to 30 mtr or above. Certified-CE, FCC,UL,ONVIF.Environmental rating IP66/67 and IK 10, Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPV4/IPV6/ONVIF.Operating Temperature -10 °C to 50 °C.	25	Nos		0.00
3	S.I.T.C. of 4 MP or better HD IR PTZ Camera with 1/3" progressive scan CMOS,Frame rate & bit rate @30 FPS, Image resolution 2560x1440@ 30 fps and 30x Optical Zoom 12X Digital Zoom, Lens Lower Range(4.3 mm-5 mm or better) & Higher Range(129 mm-150 mm or better), 12X Digital Zoom or better, Minimum Illumination- Color: 0.3 Lux or better, B/W: 0.1 lux or better (IRE :30) IR distance inbuilt with 180 mtr or above; 90 dB WDR or better,Compression H.265 or better,1/25 sec to 1/15000 sec Electronic shutter, Dynamic Noise Reduction, Pan Range 360° continuous, Tilt Range 180°, Pan/Tilt Modes - Pan: 0.1°/s - 240°/s; Tilt: 0.1°/s - 120°/s, Presets 256,Minimum 2 Nos. Guard Tours, SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Analytic with line crossing, Removed object, idle object, intrusion, 20 Minimum configurable privacy masks.2/1 Configurable Alarm inputs/outputs , power over Ethernet preferable, aluminium enclosure with IP66/67 and IK10 protection, certifies with FCC, CE, UL,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPV4/IPV6/ONVIF.Operating Temperature -10 °C to 55 °C.	3	Nos		0.00
4	Supply, Installation, Testing & Commissioning of The IP Video Storage Appliance shall be a RAID-5/6 protected, shall support 128 camera channels.System should configure with load balancing of cameras between 2 or more servers for redundancy, including Video Management Software for 128 cameras, shall utilize "enterprise-rated" hard drives in a fault tolerant RAID-5/6 configuration shall offer a bandwidth of 1200 Mbit/s, shall offer a dual port Gigabit Ethernet network interface, 16 GB system memory and an Intel xeon Core Processor, redundant power supply and hot swappable HDD with Windows10/Window12/Ubuntu/Linux Operating system,Certified-UL, CE,FCC, Storage of 150 TB or more Suitable for recording of 100 days at full frame and at full HD(1920x1080),30 % Extra License to be supplied in addition to 100 Cameras for future expansion.	1	Nos		0.00
5	Supply, Installation, Testing and commissioning of PC Client Intel i7 processor (for workstation) with clock speed- minimum 3.6GHz, RAM8 GB & Expandable, Window 10 professional 64 bit, with monitor as specified in the Technical specification of tender document. 4 TB storage (For Workstations) With Read & Write functions. LAN Interface 10/100/1000 Mbps Ethernet. Mouse Optical, USB port at front Dual and dual monitor support.	1	Nos		0.00
6	S/F of 8 Port PoE Layer 2 Switch as per technical Specification	7	Nos		0.00
7	S/F of 24 Port Port PoE Layer 2 Switch as per technical Specification	2	Nos		0.00
8	S/F of 24 ports SFP L3 managed switch as per technical Specification	1	Nos		0.00
9	S/F of Wall Mount 42U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	1	Nos		0.00
10	S/F of Wall Mount 9U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	6	Nos		0.00
11	S/F of 9 Mtr. Height hot dip galvanised iron octagonal pole bottom 155 mm Dia & 70 mm dia top with base plate of size 26 cm x 26 cm x 16 mm. including foundation.	3	Nos		0.00
12	Supply and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench complete as required.	1000	Mtr.		0.00
13	S/F of 25 mm sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	1000	Mtr.		0.00
14	S/F OF 5 KVA online UPS with 60 min Backup complete in all respect.	1	Nos		0.00
15	S/F OF 1 KVA Offline UPS with 30 min Backup complete in all respect.	6	Nos		0.00
16	S/L of 1.5sq. mm 3 core Copper Armoured CABLE.	1000	Mtr.		0.00
17	S.I.T.C. of 43 inch 4 K UHD resolution display -24x7 operation	1	Nos		0.00
18	S/D of UTP 4 Pair CAT 6 LAN cable in the existing PVC conduit as required.	2500	Mtr.		0.00
19	Labour charges for Optical Fiber Cable Splicing and Jointing with Termination.	50	Job.		0.00
20	S/F of 96 core LIU fully Loaded Rack Mounted(Comprising of 2 nos. 48 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 96 Nos., Adaptor SC 96 Nos. & Adaptor Duplex 96 Nos.)	1	Nos		0.00
21	S/F of 6 core LIU fully Loaded Rack Mounted (Comprising of 1no. 6 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 6 Nos., Adaptor SC 6 Nos. & Adaptor Duplex 6 Nos.)	6	Nos		0.00
22	S/F fiber Patch cord LC to SC duplex length 3 mtr.	30	Nos		0.00
23	S/F of 24 Port Patch Panel Cat 6.	6	Nos		0.00
24	S/L CAT 6 UTP Patch cord length 1 mtr.	50	Nos		0.00
25	S/L OPTICAL FIBER CABLE 6 CORE SINGLE MODE.	2500	Mtr.		0.00
26	S/F of Single Mode SFP module 1000 base LX SFP Transceiver LC type	12	Nos		0.00
27	S/F of SC single mode video/media Converter complete in all respect.	3	Nos		0.00
28	S/F of Junction Box For Fiber Equipment.	3	Nos		0.00
29	Providing of Power supply for PTZ Camera.	3	Nos		0.00

30	(B)District Jail Nainital S.L.T.C. of 4 MP Bullet camera 3 to 9 mm or better lens,motorized zoom,Camera Type:outdoor bullet camera Housing with IP66/67 and IK 10 rating,IR distance 50 mtrs or above with variable beam angle/intensity. Image Sensor : 1/3" Progressive Scan CMOS or better,Image Resolution : 2560x1440 at 30 fps, Compression : H.265 or better,WDR 90 db or better,Shutter speed 1/30 to 1/15000 or better, motion detection, tampering detection, IP Address Filter, Certification: CE, UL,FCC,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF,Sensitivity: B/W-0.10 Lux Colour: 0.30 lux White Balance:Yes, Day and Night,ONVIF: Profile S. Environmental rating IP66/67 and IK 10 Rated,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB,Operating Temperature - -10 °C to 50 °C.	10	Nos		0.00
31	S.L.T.C. of 4 MP Indoor Dome camera with 1/3" CMOS or better image sensor, Image Resolution :2560x1440 or better 30 FPS ,Min. illumination - Color 0.30 lux, Mono 0.1 lux With 30 IRE,Wide Dynamic range - 90 dB or better, Day/Night operation, Electronic Shutter 1/25 to 1/15000 or better, Compression- H.265 or better, 3 to 9 mm or better Motorised Varifocal lens with motorized zoom,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Motion detection,camera tampering ,IR Range up to 30 mtr or above , Certified-CE, FCC,UL,ONVIF.Environmental rating IP66/67 and IK 10, Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 50 °C.	5	Nos		0.00
32	S.L.T.C. of 4 MP or better HD IR PTZ Camera with 1/3" progressive scan CMOS,Frame rate& bit rate @30 FPS, Image resolution 2560x1440@ 30 fps and 30x Optical Zoom 12X Digital Zoom, Lens Lower Range(4.3 mm-5 mm or better) & Higher Range(129 mm-150 mm or better), 12X Digital Zoom or better, Minimum Illumination- Color: 0.3 Lux or better, B/W: 0.1 lux or better (IRE :30) IR distance inbuilt with 180 mtr or above; 90 db WDR or better,Compression H.265 or better,1/25 sec to 1/15000 sec Electronic shutter, Dynamic Noise Reduction, Pan Range 360° continuous, Tilt Range 180°, Pan/Tilt Modes - Pan: 0.1°/s - 240°/s; Tilt: 0.1°/s - 120°/s, Presets 256,Minimum 2 Nos. Guard Tours, SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Analytic with line crossing, Removed object, idle object,intrusion , 20 Minimum configurable privacy masks,2/1 Configurable Alarm inputs/outputs , power over Ethernet preferable, aluminium enclosure with IP66/67 and IK10 protection, certifies with FCC, CE, UL,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 55 °C.	7	Nos		0.00
33	Supply, Installation, Testing & Commissioning of The IP Video Storage Appliance shall be a RAID-5/6 protected, shall support 64 camera channels,System should configure with load balancing of cameras between 2 or more servers for redundancy, including Video Management Software for 128 cameras, shall utilize "enterprise-rated" hard drives in a fault tolerant RAID-5/6 configuration shall offer a bandwidth of 1200 Mbit/s, shall offer a dual port Gigabit Ethernet network interface, 16 GB system memory and an Intel xeon Core Processor, redundant power supply and hot swappable HDD with Windows10/Window12/Ubuntu/Linux Operating system.Certified-UL, CE,FCC, Storage of 110 TB or more Suitable for recording of 100 days at full frame and at full HD(1920x1080),30 % Extra License to be supplied in addition to 100 Cameras for future expansion.	1	Nos		0.00
34	Supply, Installation, Testing and commissioning of PC Client Intel i7 processor (for workstation) with clock speed- minimum 3.6GHz, RAM8 GB & Expandable. Window 10 professional 64 bit. with monitor as specified in the Technical specification of tender document. 4 TB storage (For Workstations) With Read & Write functions. LAN Interface 10/100/1000 Mbps Ethernet. Mouse Optical, USB port at front Dual and dual monitor support.	1	Nos		0.00
35	S/F of 8 Port PoE Layer 2 Switch as per technical Specification	5	Nos		0.00
36	S/F of 24 Port Port PoE Layer 2 Switch as per technical Specification	1	Nos		0.00
37	S/F of 24 ports SFP L3 managed switch as per technical Specification	1	Nos		0.00
38	S/F of Wall Mount 42U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	1	Nos		0.00
39	S/F of Wall Mount 9U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	6	Nos		0.00
40	S/F of 9 Mtr. Height hot dip galvanised iron octagonal pole bottom 155 mm Dia & 70 mm dia top with base plate of size 26 cm x 26 cm x 16 mm. including foundation.	7	Nos		0.00
41	Supply and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench complete as required.	1000	Mtr.		0.00
42	S/F of 25 mm sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	1000	Mtr.		0.00
43	S/F OF 5 KVA online UPS with 60 min Backup complete in all respect.	1	Nos		0.00
44	S/F OF 1 KVA Offline UPS with 30 min Backup complete in all respect.	6	Nos		0.00
45	S/L of 1.5sq. mm 3 core Copper Armoured CABLE.	600	Mtr.		0.00
46	S.L.T.C. of 43 inch 4 K UHD resolution display -24x7 operation	1	Nos		0.00
47	S/D of UTP 4 Pair CAT 6 LAN cable in the existing PVC conduit as required.	1500	Mtr.		0.00
48	Labour charges for Optical Fiber Cable Splicing and Jointing with Termination.	50	Job.		0.00
49	S/F of 96 core LIU fully Loaded Rack Mounted(Comprising of 2 nos. 48 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 96 Nos., Adaptor SC 96 Nos. & Adaptor Duplex 96 Nos.)	1	Nos		0.00
50	S/F of 6 core LIU fully Loaded Rack Mounted (Comprising of 1no. 6 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 6 Nos., Adaptor SC 6 Nos. & Adaptor Duplex 6 Nos.)	6	Nos		0.00
51	S/F fiber Patch cord LC to SC duplex length 3 mtr.	30	Nos		0.00
52	S/F of 24 Port Patch Panel Cat 6.	6	Nos		0.00
53	S/L CAT 6 UTP Patch cord length 1 mtr.	50	Nos		0.00
54	S/L OPTICAL FIBER CABLE 6 CORE SINGLE MODE.	1250	Mtr.		0.00
55	S/F of Single Mode SFP module 1000 base LX SFP Transceiver LC type	12	Nos		0.00
56	S/F of SC single mode video/media Converter complete in all respect.	7	Nos		0.00
57	S/F of Junction Box For Fiber Equipment.	7	Nos		0.00
58	Providing of Power supply for PTZ Camera.	7	Nos		0.00
59	(C)Central Jail Sitarganj S.L.T.C. of 4 MP Bullet camera 3 to 9 mm or better lens,motorized zoom,Camera Type:outdoor bullet camera Housing with IP66/67 and IK 10 rating,IR distance 50 mtrs or above with variable beam angle/intensity. Image Sensor : 1/3" Progressive Scan CMOS or better,Image Resolution : 2560x1440 at 30 fps, Compression : H.265 or better,WDR 90 db or better,Shutter speed 1/30 to 1/15000 or better, motion detection, tampering detection, IP Address Filter, Certification: CE, UL,FCC,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF,Sensitivity: B/W-0.10 Lux Colour: 0.30 lux White Balance:Yes, Day and Night,ONVIF: Profile S. Environmental rating IP66/67 and IK 10 Rated,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB,Operating Temperature - -10 °C to 50 °C.	26	Nos		0.00
60	S.L.T.C. of 4 MP Indoor Dome camera with 1/3" CMOS or better image sensor, Image Resolution :2560x1440 or better 30 FPS ,Min. illumination - Color 0.30 lux, Mono 0.1 lux With 30 IRE,Wide Dynamic range - 90 dB or better, Day/Night operation, Electronic Shutter 1/25 to 1/15000 or better, Compression- H.265 or better, 3 to 9 mm or better Motorised Varifocal lens with motorized zoom,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Motion detection,camera tampering ,IR Range up to 30 mtr or above , Certified-CE, FCC,UL,ONVIF.Environmental rating IP66/67 and IK 10, Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 50 °C.	30	Nos		0.00

61	S.I.T.C. of 4 MP or better HD IR PTZ Camera with 1/3" progressive scan CMOS,Frame rate& bit rate @30 FPS, Image resolution 2560x1440@ 30 fps and 30x Optical Zoom 12X Digital Zoom, Lens Lower Range(4.3 mm-5 mm or better) & Higher Range(129 mm-150 mm or better), 12X Digital Zoom or better, Minimum Illumination- Color: 0.3 Lux or better, B/W: 0.1 lux or better (IRE :30) IR distance inbuilt with 180 mtr or above; 90 dB WDR or better,Compression H.265 or better,1/25 sec to 1/15000 sec Electronic shutter, Dynamic Noise Reduction, Pan Range 360° continuous, Tilt Range 180°, Pan/Tilt Modes - Pan: 0.1°/s - 240°/s; Tilt: 0.1°/s - 120°/s, Presets 256,Minimum 2 Nos. Guard Tours, SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Analytic with line crossing, Removed object, idle object,intrusion , 20 Minimum configurable privacy masks,2/1 Configurable Alarm inputs/outputs , power over Ethernet preferable, aluminium enclosure with IP66/67 and IK10 protection, certifies with FCC, CE, UL,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 55 °C.	7	Nos		0.00
62	Supply, Installation, Testing & Commissioning of The IP Video Storage Appliance shall be a RAID-5/6 protected, shall support 128 camera channels,system should configure with load balancing of cameras between 2 or more servers for redundancy, including Video Management Software for 128 cameras, shall utilize "enterprise-rated" hard drives in a fault tolerant RAID-5/6 configuration shall offer a bandwidth of 1200 Mbit/s, shall offer a dual port Gigabit Ethernet network interface, 16 GB system memory and an Intel xeon Core Processor, redundant power supply and hot swappable HDD with Windows10/Window12/Ubuntu/Linux Operating system,Certified-UL, CE,FCC, Storage of 150 TB or more Suitable for recording of 100 days at full frame and at full HD(1920x1080),30 % Extra License to be supplied in addition to 100 Cameras for future expansion.	1	Nos		0.00
63	Supply, Installation, Testing and commissioning of PC Client Intel i7 processor (for workstation) with clock speed- minimum 3.6GHz, RAM8 GB & Expandable. Window 10 professional 64 bit .with monitor as specified in the Technical specification of tender document. 4 TB storage (For Workstations) With Read & Write functions. LAN Interface 10/100/1000 Mbps Ethernet. Mouse Optical, USB port at front Dual and dual monitor support.	2	Nos		0.00
64	S/F of 8 Port PoE Layer 2 Switch as per technical Specification	7	Nos		0.00
65	S/F of 24 Port Port PoE Layer 2 Switch as per technical Specification	2	Nos		0.00
66	S/F of 24 ports SFP L3 managed switch as per technical Specification	1	Nos		0.00
67	S/F of Wall Mount 42U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	1	Nos		0.00
68	S/F of Wall Mount 9U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	7	Nos		0.00
69	S/F of 9 Mtr. Height hot dip galvanised iron octagonal pole bottom 155 mm Dia & 70 mm dia top with base plate of size 26 cm x 26 cm x 16 mm. including foundation.	7	Nos		0.00
70	Supply and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench complete as required.	1500	Mtr.		0.00
71	S/F of 25 mm sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	2000	Mtr.		0.00
72	S/F OF 5 KVA online UPS with 60 min Backup complete in all respect.	1	Nos		0.00
73	S/F OF 1 KVA Offline UPS with 30 min Backup complete in all respect.	7	Nos		0.00
74	S/L of 1.5sq. mm 3 core Copper Armoured CABLE.	600	Mtr.		0.00
75	S.I.T.C. of 43 inch 4 K UHD resolution display -24x7 operation	4	Nos		0.00
76	S/D of UTP 4 Pair CAT 6 LAN cable in the existing PVC conduit as required.	2500	Mtr.		0.00
77	Labour charges for Optical Fiber Cable Splicing and Jointing with Termination.	89	Job.		0.00
78	S/F of 96 core LIU fully Loaded Rack Mounted(Comprising of 2 nos. 48 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 96 Nos., Adaptor SC 96 Nos. & Adaptor Duplex 96 Nos.)	1	Nos		0.00
79	S/F of 6 core LIU fully Loaded Rack Mounted (Comprising of 1no. 6 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 6 Nos., Adaptor SC 6 Nos. & Adaptor Duplex 6 Nos.)	7	Nos		0.00
80	S/F fiber Patch cord LC to SC duplex length 3 mtr.	30	Nos		0.00
81	S/F of 24 Port Patch Panel Cat 6.	7	Nos		0.00
82	S/L CAT 6 UTP Patch cord length 1 mtr.	75	Nos		0.00
83	S/L OPTICAL FIBER CABLE 6 CORE SINGLE MODE.	2750	Mtr.		0.00
84	S/F of Single Mode SFP module 1000 base LX SFP Transceiver LC type	30	Nos		0.00
85	S/F of SC single mode video/media Converter complete in all respect.	7	Nos		0.00
86	S/F of Junction Box For Fiber Equipment.	7	Nos		0.00
87	Providing of Power supply for PTZ Camera.	7	Nos		0.00
88	(D)Sub Jail Haldwani S.I.T.C. of 4 MP Bullet camera 3 to 9 mm or better lens,motorized zoom,Camera Type:outdoor bullet camera Housing with IP66/67 and IK 10 rating,IR distance 50 mtrs or above with variable beam angle/intensity. Image Sensor : 1/3" Progressive Scan CMOS or better,Image Resolution : 2560x1440 at 30 fps, Compression : H.265 or better,WDR 90 db or better,Shutter speed 1/30 to 1/15000 or better, motion detection, tampering detection, IP Address Filter, Certification: CE, UL,FCC,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Sensitivity: B/W- 0.10 Lux Colour: 0.30 lux White Balance:Yes, Day and Night,ONVIF: Profile S. Environmental rating IP66/67 and IK 10 Rated,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB,Operating Temperature - 10 °C to 50 °C.	31	Nos		0.00
89	S.I.T.C. of 4 MP Indoor Dome camera with 1/3" CMOS or better image sensor, Image Resolution :2560x1440 or better 30 FPS ,Min. illumination - Color 0.30 lux, Mono 0.1 lux With 30 IRE,Wide Dynamic range - 90 db or better, Day/Night operation, Electronic Shutter 1/25 to 1/15000 or better, Compression- H.265 or better, 3 to 9 mm or better Motorised Varifocal lens with motorized zoom,SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Motion detection,camera tampering ,IR Range up to 30 mtr or above. ,Certified-CE, FCC,UL,ONVIF.Environmental rating IP66/67 and IK 10, Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 50 °C.	30	Nos		0.00
90	S.I.T.C. of 4 MP or better HD IR PTZ Camera with 1/3" progressive scan CMOS,Frame rate& bit rate @30 FPS, Image resolution 2560x1440@ 30 fps and 30x Optical Zoom 12X Digital Zoom, Lens Lower Range(4.3 mm-5 mm or better) & Higher Range(129 mm-150 mm or better), 12X Digital Zoom or better, Minimum Illumination- Color: 0.3 Lux or better, B/W: 0.1 lux or better (IRE :30) IR distance inbuilt with 180 mtr or above; 90 dB WDR or better,Compression H.265 or better,1/25 sec to 1/15000 sec Electronic shutter, Dynamic Noise Reduction, Pan Range 360° continuous, Tilt Range 180°, Pan/Tilt Modes - Pan: 0.1°/s - 240°/s; Tilt: 0.1°/s - 120°/s, Presets 256,Minimum 2 Nos. Guard Tours, SSD Storage at Edged 64 GB from day one and expandable up to 128 GB, Analytic with line crossing, Removed object, idle object,intrusion , 20 Minimum configurable privacy masks,2/1 Configurable Alarm inputs/outputs , power over Ethernet preferable, aluminium enclosure with IP66/67 and IK10 protection, certifies with FCC, CE, UL,ONVIF,Protocol HTTP/HTTPS/SSL/TLS/TCP/ICMP/RTSP/RTP/UDP/IGMP/RTCP/SMTP/FTP/DHCP/UPnP/ARP/DNS/DynDNS/SMTP/IPv4/IPv6/ONVIF.Operating Temperature -10 °C to 55 °C.	1	Nos		0.00
91	Supply, Installation, Testing & Commissioning of The IP Video Storage Appliance shall be a RAID-5/6 protected, shall support 128 camera channels,system should configure with load balancing of cameras between 2 or more servers for redundancy, including Video Management Software for 128 cameras, shall utilize "enterprise-rated" hard drives in a fault tolerant RAID-5/6 configuration shall offer a bandwidth of 1200 Mbit/s, shall offer a dual port Gigabit Ethernet network interface, 16 GB system memory and an Intel xeon Core Processor, redundant power supply and hot swappable HDD with Windows10/Window12/Ubuntu/Linux Operating system,Certified-UL, CE,FCC, Storage of 150 TB or more Suitable for recording of 100 days at full frame and at full HD(1920x1080),30 % Extra License to be supplied in addition to 100 Cameras for future expansion.	1	Nos		0.00
92	Supply, Installation, Testing and commissioning of PC Client Intel i7 processor (for workstation) with clock speed- minimum 3.6GHz, RAM8 GB & Expandable. Window 10 professional 64 bit .with monitor as specified in the Technical specification of tender document. 4 TB storage (For Workstations) With Read & Write functions. LAN Interface 10/100/1000 Mbps Ethernet. Mouse Optical, USB port at front Dual and dual monitor support.	2	Nos		0.00
93	S/F of 8 Port PoE Layer 2 Switch as per technical Specification	7	Nos		0.00
94	S/F of 24 Port Port PoE Layer 2 Switch as per technical Specification	2	Nos		0.00
95	S/F of 24 ports SFP L3 managed switch as per technical Specification	1	Nos		0.00

96	S/F of Wall Mount 42U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	1	Nos		0.00
97	S/F of Wall Mount 9U Rack with front glass door & lock arrangement with suitable size of Fan and ACD power socket.	7	Nos		0.00
98	S/F of 9 Mtr. Height hot dip galvanised iron octagonal pole bottom 155 mm Dia & 70 mm dia top with base plate of size 26 cm x 26 cm x 16 mm. including foundation.	1	Nos		0.00
99	Supply and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench complete as required.	1500	Mtr.		0.00
100	S/F of 25 mm sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	1500	Mtr.		0.00
101	S/F OF 5 KVA online UPS with 60 min Backup complete in all respect.	1	Nos		0.00
102	S/F OF 1 KVA Offline UPS with 30 min Backup complete in all respect.	7	Nos		0.00
103	S/L of 1.5sq. mm 3 core Copper Armoured CABLE.	600	Mtr.		0.00
104	S.L.T.C of 43 inch 4 K UHD resolution display -24x7 operation	4	Nos		0.00
105	S/D of UTP 4 Pair CAT 6 LAN cable in the existing PVC conduit as required.	2500	Mtr.		0.00
106	Labour charges for Optical Fiber Cable Splicing and Jointing with Termination.	89	Job.		0.00
107	S/F of 96 core LIU fully Loaded Rack Mounted(Comprising of 2 nos. 48 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 96 Nos., Adaptor SC 96 Nos. & Adaptor Duplex 96 Nos.)	1	Nos		0.00
108	S/F of 6 core LIU fully Loaded Rack Mounted (Comprising of 1no. 6 Port RACK MOUNT BLK-2U with Splice Tray and Pigtail LC 6 Nos., Adaptor SC 6 Nos. & Adaptor Duplex 6 Nos.)	7	Nos		0.00
109	S/F fiber Patch cord LC to SC duplex length 3 mtr.	30	Nos		0.00
110	S/F of 24 Port Patch Panel Cat 6.	7	Nos		0.00
111	S/L CAT 6 UTP Patch cord length 1 mtr.	120	Nos		0.00
112	S/L OPTICAL FIBER CABLE 6 CORE SINGLE MODE.	2500	Mtr.		0.00
113	S/F of Single Mode SFP module 1000 base LX SFP Transceiver LC type	25	Nos		0.00
114	S/F of SC single mode video/media Converter complete in all respect.	1	Nos		0.00
115	S/F of Junction Box For Fiber Equipment.	7	Nos		0.00
116	Providing of Power supply for PTZ Camera.	1	Nos		0.00
Total in Figures					0.00