

**EXPRESSION OF INTEREST**

**FOR**

**SELECTION of BACKEND TECHNOLOGY PARTNER/CONSORTIUM  
PARTNER FOR PARTICIPATION IN TENDER FOR**

**“Technical and Financial Proposal (Two Bid System) for IP based Security and  
Surveillance system at Sankhiyaki Bhawan & Sewa Bhawan under MHA  
(SSO) Security cover Buildings, New Delhi-regarding”**

**EOI Ref No.: BECIL/PROJ/IT & Media/EOI-1/MHA-  
CCTV/2023-24, Dated: 24/01/24**

**Issued By**

**(Mr. Bipin B. Pandey)**

 <p>बेसिल BECIL</p>	<p><b>Broadcast Engineering Consultants India Limited (A Government of India Enterprise) CIN No. : U32301UP1995GOI017744</b></p> <p><b>Corporate Office:</b> BECIL BHAWAN, C-56-A/17, Sector-62, Noida-201 307Tel: 0120 4177850, Fax: 0120 4177879</p> <p><b>Head Office:</b> 14-B Ring Road, IP Estate, New Delhi- 110002Tel: 011 23378823, Fax: 01123379885 Web: <a href="http://www.becil.com">www.becil.com</a> E-mail: <a href="mailto:vinod.dahiya@becil.com">vinod.dahiya@becil.com</a></p>	 <p>G20 भारत 2023</p>
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## **DISCLAIMER**

The information contained in this Request for Proposal document (the “EOI”) or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of BECIL or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided. This EOI is not an agreement and is neither an offer nor invitation by BECIL to the prospective Bidders or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in making their offers (Bids) pursuant to this EOI. This EOI includes statements, which reflect various assumptions and assessments arrived at by BECIL in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This EOI may not be appropriate for all persons, and it is not possible for BECIL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI. Each Bidder should, therefore, conduct its own investigations, actual site/ facilities/location inspections and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI and obtain independent advice from appropriate sources. Information provided in this EOI to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. BECIL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. BECIL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EOI or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the EOI and any assessment, assumption, statement or information contained therein or deemed to form part of this EOI or arising in any way for participation in this Bid Stage. BECIL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this EOI. BECIL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI. The issue of this EOI does not imply that BECIL is bound to select a Bidder or to appoint the Selected Bidder for the Project and BECIL reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever. The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by BECIL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and BECIL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process. In case of any rejection/cancellation, no bidder has any right to claim any compensation or reimbursement to cost. Participation in EOI does not guarantee selection of bidder.

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## SECTION –I

### INTRODUCTION AND BRIEF DESCRIPTION

#### **1. ABOUT BECIL**

**Broadcast Engineering Consultants India Limited (BECIL)**, an ISO 9001:2015, 27001:2013, ISO/IEC 2000:2012 certified Mini Ratna Central Public Sector Enterprise (CPSI) was incorporated on 24th March, 1995 under the Companies Act, 2013 (erstwhile the Companies Act, 1956) by Government of India with 100% equity share capital of BECIL held by President of India through Secretary and Joint Secretary of Ministry of Information & Broadcasting.

The Company was initially set up for providing project consultancy services and turnkey solutions encompassing the entire gamut of radio and television broadcast engineering, establishment of transmission facilities Le content production facilities, terrestrial, satellite and cable broadcasting in India. The company has now diversified into the fields of Strategic Projects such as Information Communication.

Technology, Electronic Surveillance (namely CCTV, Access Control, Intrusion, Fire Safety, Hydrants, etc.). Electronic Media contents including films, Sentinel Analytics, Counter Drones/UAV etc. The activities include, but are not limited to Supply, Installation, Testing & Commissioning, Consultancy Services, Technical Audit, Media Analysis, R&D, projects pertaining to Digital India, City Surveillance, Safe City. Smart City, Make in India, Manufacturing, Audio Video & Data Analysis, Cyber Security, Engineering, Procurement & Construction, Project Management Services, Operation and Maintenance, Manpower Placement, AMC and providing total turnkey project for critical information infrastructure.

BECIL, has its Head Office in New Delhi, Corporate Office in Noida and Regional Office in Bangalore and Kolkata. BECIL is exploring geographical expansion in many states due to diversification in business portfolios.

Over the years, BECIL has consciously groomed and developed a team of in-house, versatile and dedicated engineers and also cultivated and harnessed a vast reservoir of professionals drawn from various fields of Broadcasting Industry, which include public and private Broadcasters, Defense and Cable Industry. Through this network of resourceful technical professionals, BECIL, has established its pan India presence to serve the needs of the industry.

BECIL has a vast reservoir of experts and integrates the expertise of All India Radio (AIR) and Doordarshan (DD), the national broadcaster of India, catering to one of the largest Radio Networks reaching out to more than a billion people and the world's largest Terrestrial Television Network supplemented by Analogue and Digital satellite Broadcasting services reaching out to millions of TV homes in India and abroad.

#### **2. INTRODUCTION OF PROJECT/TENDER**

**Government of India/ Ministry of Home Affairs (Secretariat Security Organization)** has floated a tender on e-Procurement Portal tender Number: **No.D-22012/43/2020-SSO(S)** dated: **23/1/2024** having Last date of submission as **7<sup>th</sup> February 2024 at 12.00 PM** for **Selection of System Integrator/Consortium Partner/Back-end Technology Partner/Implementation Agency (hereinafter**

mentioned as 'bidder') for Technical and Financial Proposal (Two Bid System) for IP based Security and Surveillance system at Sankhiyaki & Sewa Bhawan under MHA (SSO) Security cover Buildings, New Delhi-regarding.

### **3. INTENT AND IMPORTANT ASPECTS OF THE EXPRESSION OF INTEREST (EOI)**

The Intent and important aspects of this Expression of Interest is (EOI) are as follows:-

(a) BECIL is interested to submit a competitive bid in response to the Client Tender Number: No.D-22012/43/2020-SSO(S) dated: 23-01-2024 having Last date of submission as 07-02-2024 at 12:00 PM floated by Government of India/ Ministry of Home Affairs (Secretariat Security Organization)

(b) The intent of this EOI is to select an Implementation Agency/ System Integrator / Back end Technology partner of BECIL, for collaborating with BECIL for preparing a bid and participating in the above mentioned tender. A Pre-Bid Agreement will be signed by BECIL with the Implementation Agency/ System Integrator / Back end Technology partner selected through this EOI, for preparation of the bid and participation in the above mentioned tender. The format of Pre-Bid Agreement is at Annexure-J.

(c) In case the bid submitted by BECIL against the Client Tender Number: **No.D-22012/43/2020-SSO(S) Dated: 23-01-2024** prepared in collaboration with the Implementation Agency/ System Integrator / Back end Technology partner selected through this EOI, is accepted and BECIL receives Work Order / Agreement from / with the Client, BECIL will issue a Work Order/Agreement to the selected agency. In such a scenario, the following conditions will be applicable, which are to be fully taken into consideration by the bidders, prior submitting a response to this EOI:-

(i) The Implementation Agency/ System Integrator / Back end Technology partner selected through this EOI, will have to sign a POST AWARD CONTRACT with BECIL, for undertaking the work as per the above mentioned Client's tender.

(ii) All terms and conditions of the Client's **Tender Number:D-22012/43/2020-SSO(S) Dated: 23-01-2024**, and any subsequent amendments/ corrigenda thereof, will be applicable fully on back to back basis on the Implementation Agency/ System Integrator / Back end Technology partner selected through this EOI, including all important terms and conditions like EMD, PBG, Payment Terms, SLA conditions, Liquidity Damages, and any other penalties etc.

(iii) EMD and Performance Bank Guarantee as applicable shall be payable by the selected bidder on back to back basis as per the terms and conditions of Client Tender, and any subsequent amendments/ corrigendum thereof.

(iv) In case the bidding against Client's Tender requires online payment for EMD, the proportionate amount will have to be paid in similar mode by the selected bidder to BECIL. In case the bidding is on GeM portal or requires submission of EMD in the form of Bank Guarantee. The successful bidder has to submit back to back EMD to BECIL. The cost incurred towards GeM transaction

charges and/or EMD (BG) making charges shall also be recovered from the selected bidder in case the Project is awarded to BECIL by the client

(v) All payments in the Project to the selected agency, shall be on back-to-back basis only subject to receipt of corresponding payment from the client. No advance will be paid to the bidder, even though BECIL is eligible to get advance from the customer being a front end bidder, unless a BG of equivalent amount is submitted by the selected agency to BECIL.

(vi) The selected bidder, who has partnered with BECIL for a particular tender/ project shall not partner with any other bidder for the same tender/project.

Bidders are advised to inspect the site and ascertain the conditions including leads/lifts involved /approach to vehicles, power, water geo political scenario etc. prior to submitting their bids. Their bid price shall be for completeness of system without any extra cost.

## SECTION –II

### 1. IMPORTANT DATES (SCHEDULE AND CRITICAL DATES)

S.No	ACTIVITY	SCHEDULED DATE & TIME
1.	<b>EOI Number &amp; Date</b>	EOI Ref No: BECIL/PROJ/IT & Media/EOI-1/MHA-CCTV/2023-24 Dated: 24.1.24
2.	<b>Date &amp; Time of Issue of EOI</b>	Date 24-01-2024 Time 05:30 PM
3.	<b>Last date and Time for Submission of bids</b>	Date 29-01-2024 Time 4:00 PM
4.	<b>Place of Submission of EOI / Opening of EOI</b>	BECIL Bhawan, C-56 / A -17, Sector - 62, Noida – 201 307/ <b>EOI opening:</b> A. Technical Bid Date 30-01-2024, Time 4:00 PM B. Financial Bid: Date and Time to be intimated
5.	<b>EOI Processing Fee (Non-refundable)</b>	INR 15000/- + GST (Proof of submission to be submitted in BID)
6.	<b>EMD</b>	As per Client Tender Number D-22012/43/2020-SSO(S) dated: 23-01-2024. Bidder needs to submit undertaking for back-to-back payment of EMD Rs.10,00,000/- if selected for EOI under reference. Relaxation to be given to MSME & Startup as per Government norms.
7.	<b>Address for Communication of bids</b>	BECIL Bhawan, C-56 / A -17, Sector - 62, Noida – 201 307.
8.	<b>Contact details for this EOI</b>	Name: Mr. Vinod Kumar (Assistant General Manager) Telephone/ Mobile No.: 0120-4177850 Email: vinod.dahiya@becil.com

- NOTE: Broadcast Engineering Consultants India Ltd. reserves the right to amend the EOI tentative schedule and critical dates without giving any explanation whatsoever. Corrigendum may be published in this regard on [www.becil.com](http://www.becil.com) . Bidders are advised to check the website for updates in this regard.

**SECTION –III**  
**EOI NOTICE & GENERAL TERMS AND CONDITION**



**2. EOI NOTICE**

2.1 Broadcast Engineering Consultants India Limited (BECIL) invites Expression of Interest (EOI), through offline mode, for selection of an Implementation Agency/ System Integrator / Back end Technology partner of BECIL, for collaborating with BECIL for preparing a bid and participating in the **Tender Number: D-22012/43/2020-SSO(S) dated: 23-01-2024**, floated by MHA(SSO).

2.2 **The duly signed Hard Copy of the Bid/ Techno Commercial Proposal is to be submitted in a packed and sealed envelop, in Tender Box, BECIL BHAWAN C56/A17 Sector 62 Noida (UP) 201307 .**

2.3 The EOI must be addressed to the given name and address:

To,  
Sh. Bipin B. Pandey  
**DGM (IT & Media)**  
Broadcast Engineering Consultants India Limited  
C-56/A-17, Sector-62, Noida, Uttar Pradesh-201307

2.4 The EOI must be submitted in English Only. All the documents including the supporting documents/enclosures etc. must be Calibri/Aerial/Times New Roman, font size-12 and fully legible. Supporting documents if in a language other than English must be accompanied by a English translated document. The English version shall prevail in matters of interpretation. Each and every page of the EOI should be numbered and mention the relevant page no. of the documents in the checklist. **EOI Documents which are not legible shall be rejected.**

2.5 The representative of agency will require a specific authorization/ board resolution to submit the EOI.

2.6 In case the bidder has any doubt about the meaning of anything contained in the EOI document, she/he shall seek clarification within 1 days of issue of EOI. Except for any written clarification by Shri Vinod Kumar, Assistant General Manager, BECIL, no written or oral communication, presentation or explanation by any other employee of BECIL shall be taken to bind or fetter BECIL under the contract.

2.7 Bidders shall have to submit an amount of **Rs. 15,000/- + GST** through RTGS/ NEFT to BECIL (**Bank Mandate Form Enclosed at Annexure B**) towards the cost of EOI Document and no other mode of payment is acceptable. EOI Document is also available at BECIL



Office: C-56/A-17, Sector-62, Noida, Uttar Pradesh-201307. The cost of EOI document is non-refundable.

2.8 The Management of BECIL reserves the right to amend or withdraw any of the terms and conditions mentioned in the EOI Document or reject any or all the bids without giving any notice or assigning any reason. The decision of the Director, Broadcast Engineering Consultants India Limited in this regard shall be final and binding on all.

2.9 BECIL reserve the right to amend any term of the EOI at any point of time before the submission and bidder should regularly check the website. Further, BECIL also reserves to increase/decrease/delete/add any BOQ item. Further any amendment done by client after the selection of bidder, all the amendment will be applicable. In case of non-acceptance of such amendment, the EMD submitted will be forfeited by BECIL.

2.10 The bidder should submit the signed Integrity Pact on a plain paper along with the bid.

2.11 The Bidders will have no right to withdraw from the EOI process post submission of their bid without the formal consent of BECIL.

### **3. SUBMISSION OF EOI**

3.1 EOI, complete in all respects, must be submitted offline.

3.2 BECIL may, at its own discretion, extend the date for submission of EOI. In such a case all rights and obligations of BECIL and the Bidders shall be applicable to the extended time frame.

3.3 As the EOI can be submitted only up to the defined date and time, there can't be any late bids. BECIL will not be responsible for any delay in obtaining the terms and conditions of the tender. BECIL will not be responsible for postal delays. Bids received after the due date will not be opened and rejected.

3.4 At any time prior to the last date for receipt of EOI, BECIL may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI Document by an amendment. The amendment will be notified on BECIL's website <http://www.becil.com> and should be taken into consideration by the prospective bidders while preparing their EOI.

3.5 The bidders will bear all costs associated with the preparation and submission of their bids. BECIL will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

3.6 The EOI must contain:

- 3.6.1 Company/bidder profile relevant to EOI.
- 3.6.2 It should also include details of past experience relevant to the “Scope of Work”.
- 3.6.3 Declaration regarding acceptance of Terms and conditions of EOI.
- 3.6.4 Declaration of not been blacklisted by any of the Government agency.
- 3.6.5 Essential information such as Name & address of the agency, Business Name, E-mail id, Fax No. /Telephone No., Authorized Signatory name, E-mail ID and contact no.

3.7 The agency/ bidder/OEM/Implementation Agency shall ensure that it fulfills the eligibility criteria as desired in the EOI and other essential conditions. Compliance statement of Eligibility criteria with the documents submitted as a proof is to be prepared and submitted. The supporting documents may be with list of existing and past clients with details of services offered, details of similar projects executed.

3.8 The EOI should be duly signed on each page by authorized person. Each page should be properly numbered. Documents authorizing the signatory must accompany the EOI.

3.9 The EOI complete in all respects must be submitted with requisite information and annexure(s). The EOI should be free from ambiguity, change or interlineations. Incomplete EOI will not be considered and is liable to be rejected without making any further reference to agency/ bidder/OEM/Implementation Agency(s).

3.10 Bidders have to take into account any changes/amendments made in the end client’s tender/RFP through corrigendum till date of submission of bid in response of EOI.

3.11 The bidder shall be ignored, if complete information is not given there-in, or if the particulars and data (if any) asked for are not filled in properly.

3.12	<b>Checklist of documents/information to be submitted</b>	
	(a)	Profile of the company/bidder/firm
	(b)	Certificate of Incorporation (for Company/LLP)
	(c)	Memorandum & Articles of Association/Partnership deed
	(d)	Audited financial statements for the last 3 years i.e. for FY 2020-21,2021-22 & 2022-23
	(e)	Income Tax Return Acknowledgment for last 3 years i.e. for FY 2020-21, 2021-22 & 2022-23
	(f)	Certificate of financial capability / credit facility issued by bank
	(g)	Bid Security Declaration to be submitted by the MSME
	(h)	GST Registration Certificate or valid exemption certificate
	(i)	Copy of PAN Card
	(j)	Any other relevant registration documents on registration with other appropriate authorities (ESIC, EPFO, Labour Deptt etc.)

	(k)	Authorization letter in the bidder's letterhead authorizing the person signing the bid for this EOI as Power of Attorney (POA)
	(l)	Undertaking in letter head to indemnify BECIL from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc.
	(m)	Bidders Details as per format
	(n)	All the requisite documents in the prescribed formats placed at Annexures to this Eol
	(o)	Pre-Contract Integrity Pact as per Annexure-A (a) "Bidders participating in the EOI have to agree to sign Integrity Pact on placement of order / contract" (b) "Those bidders who are not willing to sign Integrity Pact will not be considered for bid opening"
	(p)	All the documents in support of Technical criteria like Experience Certificates, PO, proposed Makes for the solution, Solution architecture (if asked) and other documents as required.
	(q)	Price Offer to BECIL as per Format of the Eol

#### **4. OPENING OF EOI**

- 4.1 The bids submitted against this EOI shall be opened on **Date 29-01-2024 at 4 PM**. BECIL reserves the right to change the date of opening of bid.
- 4.2 Bidders who wish to attend opening of EOI may visit BECIL for the same at the designated time, with authorization in proper format on bidder's letter head.

#### **5. GENERAL TERMS & CONDITIONS OF EOI**

- 5.1 The EOI Processing Fee, technical bid and financial bids are to be placed in separate sealed envelopes, super scribed with words "**EOI Processing Fee**", "**Technical Bid**" and "**Financial Bid**". All the three sealed envelopes as mentioned above are to be placed inside a single sealed envelope named as "**Response For EOI No. BECIL/PROJ/IT & Media/EOI-1/MHA-CCTV/2023-24, dated 24/1/24**"  
**Submitted by: [Firm/Company name]**
- 5.2 All bids are to remain valid for minimum of 180 days from the date of submission. BECIL reserve the right to seek the extension of bid validity.
- 5.3 BECIL reserves the right to solicit additional information from bidder/OEM/ImplementationAgency to evaluate which bid best meets the need of the Project. Additional information may include, but is not limited to, past performance records, lists of available items of works which will be done simultaneously with the project, on-site visit and evaluations by BECIL personnel, or any other pertinent information. It will be vendor's responsibility to check for updated information on website <https://www.becil.com>. BECIL reserves the right to cross verify the information directly with client
- 5.4 BECIL reserves the right to waive off any deviations, accept the whole or part thereof or reject any or all bids and to select the bidder/OEM/Implementation Agency(s) which, in the sole opinion of BECIL, best meets the project's interest. BECIL also reserves the right to negotiate with potential bidder/OEM/Implementation Agency(s) so that its best interest to fulfill the need of project is served.
- 5.5 BECIL reserves the right to reject any and all proposals, to negotiate all terms of any agreement resulting from this EOI, and to request additional information from bidder.
- 5.6 All information contained in this EOI, or provided in subsequent discussions or disclosures, is proprietary and confidential. No information may be shared with any other organization, including potential sub-contractors, without prior written consent of BECIL.

5.7 In case the agency selected through EOI goes into liquidation or undergoes a change in business/management, it will be intimated to BECIL & the selected agency will fulfill its commitment in case order is awarded to them. In case the selected agency is not able to perform, the work under reference will be done at risk & cost of the selected agency (successful bidder). EMD or PBG as the case may be will be forfeited by BECIL.

5.8 Any dispute or difference or claim arising out of or in relation to this EOI, including the construction, validity, performance or breach thereof, shall be settled or decided by CMD/Director, BECIL or by any other person to be nominated by CMD/Director.

#### **5.9 Intellectual Property Rights:**

- All deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the bidders under this EOI and subsequent to this EOI in relation with this tender shall become and remain the property of BECIL/procuring entity and subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without BECIL's/ the procuring entity's prior written consent.
- The bidder shall, not later than upon termination or expiration of this EOI and/or subsequent Agreement/Contract signed with the bidder, deliver all such documents and software to BECIL/the procuring entity, together with a detailed inventory thereof.
- The bidder may retain a copy of such documents and software but shall not use it for any commercial purpose.

5.10 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 are not from such a country *or our 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 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.]”.

5.11 The bidder needs to submit un-priced BOQ along with their technical bid.

5.12 The bidder needs to submit an Undertaking stating that: Vendors, whose Purchase Order(s) for any Project of BECIL was/were cancelled on risk & cost basis for non-performance or non- submission of performance guarantee in last 2 years, are not eligible to participate in this tender.

## 6. SIGNING OF NON-DISCLOSURE AGREEMENT

Bidders interested to participate in a EOI, where client requires signing of NDA, then bidder also have to sign a NON-DISCLOSURE AGREEMENT with BECIL on a non-judicial stamp-paper of Rs. 100, and the required EOI document fee has to be deposited to BECIL. Participation without compliance to above shall be invalid and such bids will not be considered by BECIL.

## SECTION –IV SCOPE OF WORKS



## 7. GENERAL TERMS & CONDITIONS OF EOI

7.1 The EOI Processing Fee, technical bid and financial bids are to be placed in separate sealed envelopes, super scribed with words “**EOI Processing Fee**”, “**Technical Bid**” and “**Financial Bid**”. All the three sealed envelopes as mentioned above are to be placed inside a single sealed envelope named as “**Response For EOI No. BECIL/PROJ/IT & Media/EOI-1/MHA-CCTV/2023-24 dated 24/1/24 Submitted by: [Firm/Company name]**”

7.2 All bids are to remain valid for minimum of 180 days from the date of submission. BECIL reserve the right to seek the extension of bid validity.

7.3 BECIL reserves the right to solicit additional information from bidder/OEM/Implementation Agency to evaluate which bid best meets the need of the Project. Additional information may include, but is not limited to, past performance records, lists of available items of works which will be done simultaneously with the project, on-site visit and evaluations by BECIL personnel, or any other pertinent information. It will be vendor’s responsibility to check for updated information on website <https://www.becil.com>. BECIL reserves the right to cross verify the information directly with client

7.4 BECIL reserves the right to waive off any deviations, accept the whole or part thereof or reject any or all bids and to select the bidder/OEM/Implementation Agency(s) which, in the sole opinion of BECIL, best meets the project’s interest. BECIL also reserves the right to negotiate with potential bidder/OEM/Implementation Agency(s) so that its best interest to fulfill the need of project is served.

7.5 BECIL reserves the right to reject any and all proposals, to negotiate all terms of any agreement resulting from this EOI, and to request additional information from bidder.

7.6 All information contained in this EOI, or provided in subsequent discussions or disclosures, is proprietary and confidential. No information may be shared with any other

organization, including potential sub-contractors, without prior written consent of BECIL.

7.7 In case the agency selected through EOI goes into liquidation or undergoes a change in business/management, it will be intimated to BECIL & the selected agency will fulfill its commitment in case order is awarded to them. In case the selected agency is not able to perform, the work under reference will be done at risk & cost of the selected agency (successful bidder). EMD or PBG as the case may be will be forfeited by BECIL

7.8 Any dispute or difference or claim arising out of or in relation to this EOI, including the construction, validity, performance or breach thereof, shall be settled or decided by CMD/Director, BECIL or by any other person to be nominated by CMD/Director.

### **7.9 Intellectual Property Rights:**

7.9.1 All deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the bidders under this EOI and subsequent to this EOI in relation with this tender shall become and remain the property of BECIL/procuring entity and subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without BECIL's/ the procuring entity's prior written consent.

7.9.2 The bidder shall, not later than upon termination or expiration of this EOI and/or subsequent Agreement/Contract signed with the bidder, deliver all such documents and software to BECIL/the procuring entity, together with a detailed inventory thereof.

7.9.3 The bidder may retain a copy of such documents and software but shall not use it for any commercial purpose.

7.10 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 are not from such a country or our 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 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.]”.*

7.11 The bidder needs to submit un-priced BOQ along with their technical bid.

7.12 The bidder needs to submit an Undertaking stating that: Vendors, whose Purchase Order(s) for any Project of BECIL was/were cancelled on risk & cost basis for non-performance or non- submission of performance guarantee in last 2 years, are not eligible to participate in this tender.

## **8. SIGNING OF NON-DISCLOSURE AGREEMENT**

Bidders interested to participate in a EOI, where client requires signing of NDA, then bidder also have to sign a NON-DISCLOSURE AGREEMENT with BECIL on a non-judicial stamp-paper of Rs. 100, and the required EOI document fee has to be deposited to BECIL. Participation without compliance to above shall be invalid and such bids will not be considered by BECIL.\

## **9. SCOPE OF WORK/SCHEDULE OF REQUIREMENTS**

- 9.1 For detailed scope of work of the project & the Bill of Material, the bidders may refer the Client's Tender document, and its amendments & corrigenda issued subsequently (if any); **Tender details references are as below and the same is also attached along with this EOI.**

*(Bidders are instructed to check for any new corrigendum/amendments etc. before bidding)*

**Client's Tender Reference No: D-22012/43/2020-SSO(S) Dated 23-01-2024**

**Website:** (Through e-Procurement Portal) <http://eprocure.gov.in/eprocure/app>



**SECTION –V**  
**ELIGIBILITY CRITERIA AND EVALUATION**



**10. ELIGIBILITY CRITERIA OF BIDDERS**

1. **Company/Bidder's Profile:**

- (a) The Bidder shall be Company/bidder incorporated /registered in India under Companies Act 1956/2013/ proprietorship/ partnership firm/ Limited Liability Partnership (LLP). (It should be tender / EOI specific)
- (b) The bidder should have a valid PAN and GST Registration. Copy of PAN card and GST Registration certificate should be submitted in the bid.
- (c) 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.
- (d) 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, should be submitted.
- (e) For detailed Eligibility Criteria of the project, the bidders may refer the Client's Tender document, and it's amendments & corrigenda issued subsequently (if any); **Tender details references are as below and the same is also attached along with this EOI.**

*(Bidders are instructed to check for any new corrigendum/amendments etc. before bidding)*

**Client's Tender Reference No: D-22012/43/2020-SSO(S) Dated 23/1/2024**

**Website: (through e-Procurement Portal) <http://eprocure.gov.in/eprocure/app>**

2. **Financial Eligibility:**

- (a) The bidder must have minimum average annual turnover (of last three audited years) **30% of advertised value of the tender OR should be at least 33% of the required Turn over criteria of the tender**, as published by the customer.
- (b) The bidder should have positive net worth in each of last three audited Financial Years.

3	<p><b><u>Technical Eligibility Criteria:</u></b></p> <p>The bidder should at least meet <b>one third of the required Technical Eligibility Criteria</b> as published in the tender for which the EoI has been requested.</p>
---	--

## **11. PRELIMINARY EVALUATION**

- 11.1 BECIL shall evaluate the proposals to determine that they are complete, technically complying, no computational errors have been made, required documents as mentioned in the EOI have been furnished, the documents have been properly signed and the response is generally in order. In case of any calculation error, the total (final) price shall be considered for evaluation.
- 11.2 BECIL may waive off any minor infirmity or non-conformity or irregularity in the proposal which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder/OEM/Implementation Agency.
- 11.3 In case only one bid is received or during the Technical Evaluation only one bidder/OEM/Implementation Agency qualifies for the next stage of the bidding process, BECIL reserves the right to accept/reject the bid.
- 11.4 In case two bids are received from the bidder, both the bids will be rejected.

## **12. EVALUATION PROCESS**

- 12.1 No enquiry shall be made by the bidder/OEM/Implementation Agency (s) during the course of evaluation of the EOI, after opening of bid, till final decision is conveyed to the successful bidder/OEM/Implementation Agency(s). However, the Evaluation Committee/its authorized representative and office of BECIL can make any enquiry/seek clarification from the bidder/ OEM/ Implementation Agency(s), which the bidder/OEM/ Implementation Agency s must furnish within the stipulated time else the bids of such defaulting bidder/OEM/Implementation Agency(s) will be rejected. The proposal will be evaluated on the basis of its content, not its length.
- 12.2 The bidder/OEM/Implementation Agency s' proposals will be evaluated as per the requirements specified in the EOI and adopting the evaluation criteria spelt out in subsequent paras of this EOI document. The bidder/OEM/Implementation Agency are required to submit all required documentation as per evaluation criteria specified in EOI.
- 12.3 Upon verification, evaluation/ assessment, if in case any information furnished by the bidder/OEM/Implementation Agency is found to be Incomplete/incorrect, their bid will be summarily rejected and no correspondence on the same shall be entertained. Submission of false/forged documents will lead to forfeiture of security deposit/EMD and blacklisting of agency for a minimum period of 3 years from participating in BECIL tenders.
- 12.4 BECIL will review the proposal to determine whether the proposals are as per the requirements laid down. Proposals that are not in accordance with these requirements are

liable to be disqualified at BECIL's discretion.

12.5 Evaluation of proposals shall be based on:



12.5.1 Information contained in the proposal, the documents submitted there to and clarifications provided, if any.

12.5.2 Experience and Assessment of the capability of the bidder/ OEM/ Implementation Agency based on past record.

12.6 BECIL reserves the right to seek any clarifications on the already submitted bid documents; however, no fresh documents shall be accepted in support of proposals. BECIL also reserves the right to cross verify the information with any agency.

12.7 Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required by the bidders, the same should be obtained before submission of the proposals.

12.8 Even though bidder/OEM/Implementation Agency satisfy the necessary requirements they are subject to disqualification if they have:

12.8.1 Made untrue or false representation in the form, statements required in the EOI document.

12.8.2 Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

12.9 The Financial Evaluation of the Bidders will be done only for those who qualify the Eligibility Criteria and other mentioned criteria of the Eoi.

### 13. **FINANCIAL EVALUATION OF THE BIDS**

The Bids will be financially evaluated as under:

Financial Bid Evaluation	
	<p>Price and Margin Bid Format:</p> <p><b>A</b> - Submit Lump sum Prices for supply and service items as per Schedule of Requirements (SoR) and Scope of Work (SoW) in INR (without Taxes)</p> <p><b>B</b> - Quote margin to BECIL as a percentage of A [<b>Minimum - 5%</b>]</p> <p><b>C</b> - Absolute value of Margin = <b>A*B</b></p> <p><b>D</b> - Overall Quoted price by bidder= <b>A-C</b></p>

a) During evaluation, bidders with least "D" will be considered as **L1** and shall be declared the successful Bidder.

b) The bid having higher value of "B" will be selected in case of two or more bidders have similar value of **D**.

- c) In case of a tie, the bidder who will be ready to offer higher value of “B” will selected. In case the stalemate/ tie persists, Evaluation Committee of BECIL shall ask the bidders to conduct presentation on their proposed solution/understanding of the Project. Evaluation Committee will then select the bidder whose presentation will be the best, without giving any reasons/justifications. The decision of Competent Committee of BECIL shall be final in this regard, and shall be abided by all bidders.
- d) If the bidder is selected, during the final tender submission, the price to be quoted to the Client shall not be more than price “A” and the margin offered to BECIL shall not be less than “B”.
- e) The decision of BECIL shall be final in this regard and cannot be challenged in any manner and also be abided by all the bidders.
- f) **L1** bidder may be called for further negotiations, if required.
- g) A Pre-Bid agreement shall be signed by BECIL with the successful declared **L1** bidder as per Pre-Bid Agreement placed at **Annexure-J**.

## SECTION –VI

### ENCLOSURES AND ANNEXURES

#### Annexure-A

#### PRE CONTRACT INTEGRITY PACT

**Between**

**Broadcast Engineering Consultants India Limited (BECIL) hereinafter referred to as "Principal")**

**And**

..... hereinafter referred to as "**The Bidder/Contractors**"

#### **Preamble:**

The Principal intends to award, under laid down organizational procedures, contracts **for**..... The Principal values full compliance with all relevant laws of the land, rule, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(S) and / Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

#### **Section 1 – Commitments of the Principal**

1.1. The Principal commits itself to take all measures necessary to prevent Corruption and to observe the following principles: -

a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or Immaterial benefit which he/she is not legally be entitled to.

b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

c) The Principal will exclude all known prejudiced persons from the process.

1.2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Office and in addition can initiate disciplinary actions.

## **Section 2 – Commitments of the Bidder(s)/ Contractor(s)**

2.1. The bidder(s) Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a) The Bidder(s) Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract/ or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b) The Bidder(s) Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c) The Bidder(s) Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s) Contractor(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder(s) Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" Shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/ representative have to be in Indian Rupees only.

e) The Bidder(s) Contractor(s) will, when presenting himself, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract/Agreement.

2.2. The Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

## **Section 3 – Disqualification from tender process and exclusion from future contracts**

If the Bidder(s) Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) Contractor(s) from the tender process or take action as per the defined procedure.

## **Section 4 – Compensation for Damages**

4.1. If the Principal has disqualified the contractor from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages Equivalent to Earnest Money

Deposit / Bid Security.

4.2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

### **Section 5 – Previous transgression**

5.1. The Bidder(s) contractor declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the Anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2. If the contractor makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banking of business dealings”.

### **Section 6 – Equal treatment of all Bidders/Contractors/Subcontractors**

6.1. The Bidder(s) Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact and to submit it to the Principal before contract signing.

6.2. The Principal will enter into agreement with identical conditions as this one with all Bidders, Contractors and Subcontractors.

6.3. The Principal will disqualify from the tender process all bidder who do not sign this Pact or violate its provisions.

### **Section 7 – Criminal charges against violating Bidder(s)/ Contractor(s)/Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same Chief Vigilance Office.

### **Section 8 – External Independent Monitor/Monitors**

8.1. Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD of M/s Broadcast Engineering Consultants India Limited (BECIL).

8.3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.



8.4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit nonbinding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

8.6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

8.7. If the Monitor has reported to the CMD of the BECIL, a substantiated suspicion of an offence under relevant APC/PC Act, and the Chairman BECIL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.8. The word 'Monitor' would include both singular and plural.

#### **Section 9 – Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 20 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by CMD, M/s. Broadcast Engineering Consultants India Limited.

#### **Section 10 – Other provisions**

10.1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the head office of the Principal, i.e., New Delhi.

10.2. Changes and supplements as well as termination notices need to be made in writing. Side agreement have not been made.

10.3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

10.4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

**FOR AND ON BEHALF OF CONTRACTOR**

**FOR AND ON BEHALF OF PRINCIPAL**

**ANNEXURE B (BANK MANDATE FORM)**

- DETAILS FOR PAYMENT OF TENDER PROCESSING FEES

**यूनियन बैंक**  **Union Bank**  
of India

एक सरकारी अंश (एनडी) 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: UBININBBNDL  
Email: ubln0549797@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 <sup>st</sup> Floor, D Block, Connaught Place, New Delhi, 110001.
iv	BSR Code	549797
v	MICR	110026046
vi	SWIFT CODE	UBININBBNDL
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

Page 1 of 1

Particulars of The Bidder

1.	Name of company/bidder	
2.	Office Address /Telephone No / Fax No / email id / website	
3.	Year of establishment	
4.	Status of the Company/bidder	
5.	Name of Directors	i) ii) iii)
6.	Names of principle person concerned with this work with title and Telephone No / Fax/ Email Id, Etc.	
7.	Whether registered with the registrar of companies /registrar of firms. If so, mention number and date.	i) ii) iii)
8.	In case of change of Name of the Firm, former Name / Names and year/ years of establishment:	
9.	GST registration certificate	
10.	Whether an assessed of income tax. If so, mention permanent account number.	
11.	State Annual turnover of the company/bidder Furnish copies of audited balance sheet and profit & loss account (audited) for the last three years.	
12.	Particulars and place of similar type of works done in a single order and tender amount. (Furnish details in a separate sheet and enclose copy of the employers certificate)	
13.	Specify the maximum value of single work executed in the past three years.	
14.	Status and details of disputes/ litigation/ arbitration, if any.	
15.	Certificate of financial capability / credit facility issued by the bank.	

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

Annexure – D

**Annual Turnover & Net worth**

( To be printed on implementing agency's letterhead and signed by Authorized signatory.)

To  
The General Manager  
Broadcast Engineering Consultants India Limited  
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307

Full Name of Bidder (Supplier) entity:

Full Address of Bidder (Supplier) entity:

S. No.	Financial Year	Turnover of Bidder	Net worth	Remarks
1	2020-21			
2	2021-22			
3	2022-23			
	Average			

\*Enclose Audited Balance sheets only.

Note: The required certificate from CA with UDIN No. is enclosed along with this form. Certificate without UDIN No. will be rejected.

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

Performa of letter of Undertaking for Bid Validity

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

Reference: EOI No. <<>> dated << 202X>>

I/We hereby submit our Bid and undertake to keep our Bid valid for the period of 180 days from the date of submission of the Bid.

I/We also agree to abide by and fulfill all the terms, conditions of provision of the bid document.

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

Bid Covering Letter

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

Reference: EOI No.<<>> dated << 202X>>

Dear Sir/Madam,

We, the undersigned, offer to provide Systems Implementation solutions to the Purchaser on <Name of the Systems Implementation engagement> with your Expression of Interest dated <insert date>and our Proposal. We are hereby submitting our Proposal, which includes our Technical bid sealed on the <URL of e-Procurement portal> portal.

We hereby declare that all the information and statements made in this Technical bid are true and accept that any misinterpretation contained in it may lead to our disqualification.

We undertake, if our Proposal is accepted, to initiate the Implementation services related to the assignment not later than the date indicated in Fact Sheet.

We agree to abide by all the terms and conditions of the EOI document. We would hold the terms of our bid valid for <180> days as stipulated in the EOI document.

We understand you are not bound to accept any Proposal you receive.

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

Credentials Summary

S. No.	Project Name	Client Name	Client Type	Project Value (in INR)	Documentary evidence provided (Yes or No)	Project Status (Completed or Ongoing or Withheld)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

Self-Declaration For Non Black Listing

[ON BIDDER'S LETTER HEAD]

Bidder Ref. No. ....  
Dated : .....

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

We, M/s. ----- hereby declare that the firm/company namely M/s. -----  
---, as on the date of bid submission, has not been blacklisted or debarred by any of the Central Government  
or State Government or any organization under Central/ State Government or any Statutory Authority, or any  
Public- Sector Undertaking.

M/s ..... has not been found guilty of any criminal offence by any court of law in India or abroad.  
M/s ....., its directors and officers have not been convicted of any criminal offence related to their  
professional conduct or the making of false statement or misrepresentations as to their qualifications to enter  
into procurement contract within a period of three years preceding the commencement of the procurement  
process or have not been otherwise disqualified pursuant to debarment proceedings.

Yours faithfully

For,

Signature of Authorized Signatory

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_



Undertaking Regarding Payment Of GST/ Filing Of GST Return

Ref.....

Date

To,  
The Chairman and Managing Director,  
Broadcast Engineering Consultants India Limited,  
56-A/17, Block-C, Sector-62, Noida-201307 (U.P.)

**Subject: Undertaking regarding Payment of GST/ Filing of GST Return**

Dear Sir,

This is in connection to the works awarded by M/s Broadcast Engineering Consultants India Limited (BECIL), we hereby undertake that we will comply with Goods and Services Tax 2017 and subsequent amendment and Various Rules Relating to GST Act, 2017(herein after referred to as GST Act and Rules) wherever we are obliged to comply with the GST Act and GST Rules.

We further hereby undertake that we will issue proper **“Tax Invoice”** and/or any other Relevant Document as required under GST Act and Rules. We will furnish appropriate GST return and pay GST as required under GST Act and Rules on timely basis and will provide GST credit on timely basis through GST Portal (and/or by any other means as provided by GST Act and Rules).

We hereby certify & undertake that we will not alter, delete or modify the tax invoices and other details uploaded at GST Portal unless approved by BECIL in writing.

We also hereby certify & undertake that we indemnify BECIL on account of any loss of GST input credit as well as any interest, penalty, demands or other costs, expenses suffered by BECIL because of any failure on our part to file appropriate Return on time and/or pay Tax to Government/Appropriate Authority.

In case we do not make payment the tax/interest/penalty/other expenses etc. on demand raised by Government/Tax Authorities due to default/delay on our part/action, we also authorize BECIL to forfeit/deduct from security held by BECIL, equivalent amount of interest/penalty/tax etc. for the amount so withheld.

Signature of Authorized Signatory on behalf of Agency

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_

**PRE-BID AGREEMENT**

This Agreement is made at NOIDA on \_\_ NOVEMBER 2023 between:

**M/s. Broadcast Engineering Consultants India Limited, Mini Ratna** Public Sector Enterprise of the Government of India having its Registered Office at 56-A/17, Block-C, Sector-62, Noida -201301 (U.P.) and Head Office at 14-B IP Estate Ring Road, New Delhi -110002 acting through \_\_\_\_\_, Deputy General Manager (hereinafter referred to as "**BECIL**" or "**First Party**" ) which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns as the First Party. **BECIL** represents that it is an ISO 9001:2015, 27001:2013, ISO/IEC 20000:2012 certified, Mini Ratna Public Sector Enterprise of the Government of India and provides project consultancy services and turnkey solutions encompassing the entire gamut of radio and television broadcast engineering viz content production facilities, terrestrial, like satellite and cable broadcasting in India and abroad. It also undertakes supply of specialized communication, monitoring, security and surveillance system to Defense, Police department and various Para-military forces. **BECIL** has specialization in executing TV/Radio broadcasting, IT networking, Security Surveillance, Audio Video and Access control system projects in various Govt. departments throughout the country by its team of intelligent and dedicated technical officers and staff

**AND**

**M/s XXX** Company/firm incorporated under Companies Act, 1956 having its Registered Office at **YYY** by **Mr. XYZ, Managing Director** (hereinafter referred to as "**XX**" or "**Second Party**") which expression shall, unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns as the Second Party. **XX** represents that it is a company/firm which has

**BECIL and XX** individually referred to as "**Party**" and jointly as "**Parties**".

**PREAMBLE**

**A) WHEREAS** ..... (Hereinafter referred as "**CUSTOMER**" or "**END CUSTOMER**" ) floated **GEM** Tender Number: \_\_\_\_\_ Dated: \_\_\_\_\_ for Supply, installation, testing & commissioning of IP \_\_\_\_\_ published on **GEM PORTAL**. (Hereinafter referred as "**RFP**")

B) That BECIL intends to submit its bid as in response to this RFP and it may by means of contracts and agreements enter into AGREEMENT with bidder of the related technology for the purpose of this RFP.

C) **AND WHEREAS** BECIL has floated an EOI no. \_\_\_\_\_ (hereinafter referred to "EOI" ) for selection of *System Integrator/Consortium Partner/Back-end Technology Partner/Implementation Agency*.

D) **AND WHEREAS XX has been selected as** *System Integrator/Consortium Partner/Back-end Technology Partner/Implementation Agency* of BECIL through terms of EOI. **Also XX agrees to execute entire** scope of work for above mentioned Customer's RFP, if the bid submitted by BECIL against the RFP is accepted, and if BECIL receives a Work Order for the same. This agreement has been put into effect from date of signing of this agreement on an exclusive basis.

E) **AND WHEREAS** the purpose of this **pre bid** agreement is to formalize an understanding between BECIL and XX for RFP. Tender, if awarded to BECIL will be called as "Project".

F) **AND WHEREAS** both the parties agreed to work together for preparation and submission of the Bid against the Customer's RFP **and in case of award of work to BECIL, execute the work**

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

## **ARTICLE 1. GENERAL**

### **1.1 PURPOSE**

A) **WHEREAS**, End Customer has floated **GEM RFP/ Tender Number: \_\_\_\_\_ Dated: \_\_\_\_\_** for Supply, installation, testing & commissioning of \_\_\_\_\_.

B) **XX has agreed** to associate itself and render its services to BECIL in the capacity of *System Integrator/Consortium Partner/Back-end Technology Partner/Implementation Agency* for the purpose of the aforesaid RFP enabling BECIL to bid for the RFP.

C) Both the parties have read and understood the terms of the aforesaid RFP. Second Party has agreed not to disclose the terms of the aforesaid RFP to anyone unless so authorized to do so by the First Party. The PARTIES will execute the PROJECT, if awarded, in terms of responsibility as ascribed to each party. **XX will do** the entire system integration for the project, if awarded which covers the entire scope of work mentioned in the tender RFP documents or any subsequent modifications/amendments thereof. BECIL undertakes to be responsible for all overall Project Management and correspondence/ interface/ interaction with the Customer.

### **1.2 REPRESENTATION OF PARTIES**

Second Party represents to the First Party that as on date of

(a) That Second Party is duly organized, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Contract.

(b) That the execution, delivery and performance by Second Party of this Contract have been authorized by all

necessary and appropriate corporate or governmental action and will not to the best of its knowledge:

- (i) Require any consent or approval not already obtained;
  - (ii) Violate any Applicable Law presently in effect and having applicability to it;
  - (iii) Violate the Agreement and articles of association, bye-laws or other applicable organizational documents thereof;
  - (iv) Violate any clearance, permit, concession, grant, license or other governmental authorization, approval, judgment, order or decree or any mortgage Contract, indenture or any other instrument to which Second Party is a party or by which Second Party or any of its properties or assets are bound or that is otherwise applicable to Second Party;
  - (v) Create or impose any license, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of Second Party so as to prevent such Party from fulfilling its obligations under this Contract;
- (c) That Second Party has not been black-listed by Central/ State Government or any other Government PSU and are not facing/likely to face any disciplinary proceedings under Indian or under laws of any other country.
- (d) That this Contract, RFP No. \_\_\_\_\_ Dated \_\_\_\_\_ and the NOA issued by BECIL dated \_\_\_\_\_ is the legal and binding obligation of such Party, enforceable in accordance with its terms against it;
- (e) That there is no litigation pending or, to the best of Second Party's knowledge, threatened to which it or any of its Affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfilment of its obligations under this Contract.
- (f) That there is no legal action/dispute initiated or pending on Second Party at the time of signing of this contract which is likely to concern or affect BECIL in any manner. If any such case is found pending, the contract will automatically become invalid and the agency will be penalized by withholding the EMD, PBG and legal action will be initiated as deemed fit by the competent authority. All ongoing and future business association with BECIL will also be terminated.

### 1.3 RESPONSIBILITY MATRIX

**P-Primary Responsibility**

**S-Secondary Responsibility**

**J- Joint Responsibility**

S.NO.	PRE-BID RESPONSIBILITY	BECIL	XX
1.	Pre bidding site survey, if any	S	P
2.	Technical bid preparation as per RFP along with MAF and datasheets of fully complied products as per the RFP specifications.	J	J
3.	Competitive commercial bid preparation as per RFP	S	P
4.	Coordination with OEMs/distributors for preparation of bid.	S	P
5.	Technical Bid Facilitation.	S	P
6.	Commercial Bid Facilitation	s	P
7.	Prepare the bid as per eligibility criteria. Interaction with customer and going through the RFP process.	P	S
8.	Documentation and correspondence with the customer.	P	-
9.	Provisioning of certificates from OEMs for product support, warranty, spare availability and delivery as per the customer/ RFP requirement.	-	P
10.	Provisioning of EMD to end customer as per RFP requirement.	P	
11.	Provisioning of EMD to BECIL on proportionate basis.		P
12.	Provisioning of any other required document for bidding.	J	J
13.	Submission of complete techno-commercial offer to the customer in requisite mode.	P	
14.	Execution of field trials and any product demonstrations and tests, as required by the customer.	S	P
15.	Any other relevant follow up, correspondence and meetings with customer.	P	S
16.	Support during Reverse Auction (if any)	S	P

- **NOTE: A detailed Agreement of POST-BID responsibility shall be signed subsequently, if the project is awarded and Work Order issued by the Customer to BECIL.**

1.4 The detailed Agreement for selected bidder between the parties will contain:

(a) Responsibility matrix of the PARTIES to execute the PROJECT, if awarded, jointly. This will covers the entire scope of work mentioned in the tender RFP documents or any modifications thereof.

(b) Other Modalities/conditions that might arise or might require to be incorporated towards complete & satisfactory execution of the Project.

The above list is illustrative and not exhaustive and will include apart from the above other clauses also.

(c) Financial Arrangements.

The above list is illustrative and not exhaustive and will include apart from above other clauses also.

## **ARTICLE 2:- TERM AND TERMINATION**

2.1. **Terms:** This AGREEMENT shall be valid from the date of signing and shall terminate on the earliest occurrence of one of the following:

a) A Contract for the PROJECT has been awarded by the End Customer to **BECIL** and the parties hereto have subsequently entered into and signed a comprehensive formal AGREEMENT referred to under item **1.4** above;

**or**

b) In case the Contract for the PROJECT is awarded to other entity/bidder or the PROJECT is cancelled and all rights and obligations between the PARTIES hereto according to this AGREEMENT have been fulfilled;

**or**

c) By Mutual consent between the Parties

2.2. In the event order is placed on BECIL by the end customer wherein BECIL is to use services of \_\_\_\_\_XX\_\_\_\_\_, \_\_\_\_\_XX\_\_\_\_\_ will have no right to terminate this agreement till such time that the project is complete in all respects including the expiration of AMC period, if any.

2.3 **Effect of Termination or Expiration:** Upon any expiration or termination of this AGREEMENT and subject to applicable laws; Each party will (i) return (or destroy if requested by the disclosing party) the original and all copies of any confidential & proprietary information of the disclosing party; and (ii) at the disclosing party's request, have one of the officers of the receiving party certify in writing that it has fully complied with the provisions of this Clause. For the purpose of this Clause, the expression "Confidential & Proprietary Information" shall be limited to matters of commercial confidence, Proprietary rights, trade and business secrets and intellectual property but shall not include correspondence exchanged between the parties and contents thereof.

## **ARTICLE 3:- PAYMENT & COMMERCIAL TERMS AND CONDITIONS**

3.1 While preparation and submission of Bid against the Client's RFP, BECIL will Provision the EMD to end customer as per the customer RFP requirement. \_\_\_\_\_XX\_\_\_\_\_ will provision an EMD of Proportionate amount to BECIL on back to back basis.

3.2 In case the bid submitted by BECIL against the Customer's RFP, prepared in collaboration with \_\_\_\_\_XX\_\_\_\_\_, is accepted and BECIL receives Work Order from the Customer, the following conditions will be applicable:-

- (i) BECIL will provision Transaction charges, Annual Milestone charge and any other charges for signing the agreement with the customer, payable to GEM. All such charges shall be recovered in total quantum from \_\_\_\_\_XX\_\_\_\_\_.
- (ii) BECIL will issue Work/Supply Order/s to \_\_\_\_\_XX\_\_\_\_\_, on becoming L1, ensuring net **\_\_% margin** to BECIL on the total basic value of the project

- (iii) All terms and conditions of the Customer's RFP, and any subsequent amendments/ corrigendums thereof, will be applicable fully on back to back basis on \_\_\_\_\_XX\_\_\_\_\_, including all important terms and conditions like EMD, PBG, Payment Terms, SLA conditions, Liquidity Damages, and any other penalties etc.
- (iv) EMD and Performance Bank Guarantee as applicable shall be payable by \_\_\_\_\_XX\_\_\_\_\_ on back to back basis as per the terms and conditions of Customer's RFP, and any subsequent amendments/ corrigendums thereof.
- (v) In case the bidding against Customer's RFP requires online payment for EMD, the proportionate amount will have to be paid in similar mode by \_\_\_\_\_XX\_\_\_\_\_ to BECIL. In case the bidding is on GeM portal or requires submission of EMD in the form of Bank Guarantee. The successful *System Integrator/Consortium Partner/Back-end Technology Partner/Implementation Agency* has to submit back to back EMD to BECIL. The cost incurred towards GeM transaction charges and/or EMD (BG) making charges shall also be recovered from \_\_\_\_\_XX\_\_\_\_\_ in case the Project is awarded to BECIL by the Customer.
- (vi) All payments in the Project to \_\_\_\_\_XX\_\_\_\_\_, shall be on back-to-back basis only subject to receipt of corresponding payment from the Customer. No advance will be paid to \_\_\_\_\_XX\_\_\_\_\_, even though BECIL may be eligible to get advance from the customer being a front end bidder, unless a BG of equivalent amount is submitted by \_\_\_\_\_XX\_\_\_\_\_ to BECIL.
- (vii) All pricing by \_\_\_\_\_XX\_\_\_\_\_ would be inclusive of all statutory taxes payable by \_\_\_\_\_XX\_\_\_\_\_. However any statutory change in Tax Structure prevailing at the time of invoicing shall be binding to both - \_\_\_\_\_XX\_\_\_\_\_ and BECIL. Their bid price shall be for completeness of system without any extra cost.

#### **ARTICLE 4: CONFIDENTIAL INFORMATION**

4.1. Subject to applicable laws and as required by End-Customer, Law-Enforcement agencies & Government agencies, the terms of this AGREEMENT are agreed by all the Parties to be confidential and all information disclosed by one party to each other hereunder shall be kept strictly confidential.

4.2. Each party shall keep any information obtained by it from the other party strictly private and confidential for the purpose of:

- (a) preparation of bid for the tender and/or,
- (b) In case of award of a Contract for the PROJECT to BECIL and/or,
- (c) Execution of the PROJECT

#### **ARTICLE 5: LIMITATION OF LIABILITY**

5.1. With the exception of any breach of confidentiality obligations, neither party will be liable to the other party for any costs, damages, expenditure, loss of profits, prospective profits of any kind or nature etc. arising from the termination or alleged breach of this AGREEMENT or in any manner arising from this AGREEMENT.

## **ARTICLE 6:- GENERAL TERMS & CONDITIONS**

### **6.1 AGENCY**

This agreement between the parties is on a principal to principal basis and it is agreed that XX is not and shall not represent itself as an agent of BECIL.

### **6.2 CONFIDENTIALITY**

The parties along with their employees working on the specified projects agree to maintain strict confidentiality of all information of technical or business nature provided to each other pursuant to this agreement and/ or any subsequent agreement or any correspondence in writing between them. This clause shall survive the expiry/termination of this agreement.

### **6.3 ASSIGNMENT**

This AGREEMENT may not be assigned by either party, by operation of law or otherwise, without the prior written consent of the other party. This AGREEMENT will be binding upon, and ensure to the benefit of, the permitted successors and assigns of each party. Any purported assignment in violation of this clause will be null and void.

## **7. INTELLECTUAL PROPERTY RIGHTS**

BECIL would make no claim on the technology / algorithms used in servicing the clients either during the contract or ever later. Both the parties agree that consideration mentioned under commercial term of this agreement is after taking into consideration the cost of intellectual property rights, if any, to be used under this agreement and no further claim in this regard shall be entertained by BECIL. BECIL shall be kept indemnified by **XX** for any kind of breach of IPR of any third party for all the products/services supplied by it under this agreement.

Any amendment to this AGREEMENT, if required, shall be done in writing with the mutual consent of the parties.

## **8. WARRANTIES AND UNDERTAKINGS**

- i. Each Party acknowledges that it is and shall remain liable to the other party for the consequences of any failure on its part or on the part of its Personnel to fulfill the tasks assigned to it under this Agreement.
- ii. Each Party shall be responsible for providing all appropriate facilities and services as shall be necessary in the proper performance of its obligations, which will be entirely at that Party's own expense.



## **9. INDEMNITY**

Each party shall indemnify, keep indemnified and hold harmless the other Party from and against all costs, expenses, liabilities, injuries, direct, indirect or consequential loss (all three of which terms include, without limitation, pure economic loss, loss of profits, loss of business, depletion of goodwill and like loss), damages, claims, demands, proceedings or legal costs (on a full indemnity basis) and judgments which it may incur or suffer as a result of a breach of this Agreement or negligent acts or omissions or willful misconduct of the Party and/or its Personnel including without limitation any resulting liability the Consortium has to any third party.

## **10. ASSIGNMENT AND SUB-CONTRACTING**

Neither this Agreement nor any of the rights and obligations under it can be assigned by any party. Parties may engage sub-contractors by mutual consent, subject to the compliance with the Tender terms.

## **11. FORCE MAJEURE**

No Party will be deemed to be in breach of this Agreement, nor otherwise liable to the other for any failure or delay in performance of this Agreement if it is due to any event beyond its reasonable control other than strike, lock-out or industrial disputes but including, without limitation, acts of God, war, fire, flood, tempest and national emergencies.

## **12. DISPUTE RESOLUTION**

i. All disputes arising out of or in connection with this Agreement and any amendments thereof, shall, as far as they cannot be amicably settled between the parties, shall be submitted to arbitration by a Sole Arbitrator to be appointed by CMD ,BECIL. The venue of arbitration shall be Delhi. Arbitration proceedings shall be governed by Arbitration & Conciliation Act, 1996 or any subsequent modification thereof.

Note : During a dispute, each Party must continue to perform its obligations under this Agreement.

## **13. GOVERNING LAW AND JURISDICTION**

This Agreement is governed by the laws of India and each Party irrevocably and unconditionally submits to the exclusive jurisdiction of the Courts at New Delhi, India.

## **14. NOTICES**

i. Any intimation, notice, request, grievances, complaint or consent required or permitted to be given or made pursuant to this Agreement shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed or when sent by registered post to such Party at the specified address.

ii. Any notice issued pursuant to this Agreement must be in English and in writing. All notices, correspondence or other communication relating to this Agreement shall be given:

- (a) by being personally served on the designated Party; or
- (b) by being sent to the Party's designated address for service by prepaid ordinary mail; or
- (c) to the designated facsimile ; or
- (d) to the designated e-mail address.

The particulars for service to each party are:

**Address: XXXX**

**Fax:**

**E-mail:**

**Address: Broadcast Engineering Consultants India Limited**

BECIL BHAWAN , C56/A17 Sector 62 Noida 201307

**Fax: 0120-4177879**

**E-mail: vinod.dahiya@becil.com**

## **15. WAIVER**

The failure by Parties to enforce at any time or for any period any one or more of the terms or conditions of this Agreement will not be a waiver by them or of the right at any time subsequently to enforce all terms and conditions of this Agreement.

## **16. SURVIVAL**

i. The representations and warranties contained in this Agreement survive the termination of this Agreement.

ii. Each indemnity and guarantee arising in respect of this Agreement survives the performance of obligations arising out of or under this Agreement and the termination of this Agreement and will continue in force as long as necessary to affect their purpose.

## **17. VARIATION**

This Agreement may be amended at any time by written agreement of the Parties. No variation to this Agreement shall be effective unless in writing signed by a duly authorized officer of each of the Parties.

## **18. COUNTERPARTS**

This Agreement is executed in two counterparts, with each party retaining one original.

**19. DAMAGES**

Once the Bid has been submitted, neither of the parties may withdraw from its obligations & terms of the present AGREEMENT. Any damage/loss caused to BECIL due to failure on the part of \_\_\_\_\_XX\_\_\_\_\_ to enter into a detailed agreement as mentioned above, shall be borne by \_\_\_\_\_XX\_\_\_\_\_ and will be made good by it in case BECIL has to make payment of any damages/penalty to End Customer of any nature whatsoever. EMD will be forfeited by BECIL and can claim damages for the loss of reputation

**20. ENTIRE AGREEMENT**

This Agreement hereto constitutes the entire agreement between the Parties with regard to the subject matter contained in this Agreement and supersedes all prior negotiations, representations, agreements and understandings, written or oral preceding the execution of this Agreement.

By signing this AGREEMENT, BECIL and \_\_\_\_\_XX\_\_\_\_\_ acknowledge that it correctly records the understanding they have reached with regard to the Project.

IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed by their respective authorized representatives with effect as of the Effective Date.

**NOTE : ALL the RFP Terms and condition and corrigendum thereof , shall be binding on the XX on back to back basis.**

**FOR AND ON BEHALF OF BECIL**

**FOR AND ON BEHALF OF XX**

**Date:**

**Date:**

**Place:**

**Place:**

**Witness:**

**Witness**

**1.**

**1.**

Power of Attorney for signing the Bid on Rs. 100 Stamp Paper

KNOW ALL MEN BY THESE PRESENTS,

We "Name of Bidder" do hereby irrevocably constitute, nominate, appoint and authorize \_\_\_\_\_, who is presently employed with us and holding the position of "\_\_\_\_\_", as our true and lawful attorney (*hereinafter referred to as the "Attorney"*) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the Project "**Name of Project**" of "\_\_\_\_\_" (the "client") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre-applications and other conferences and providing information/ responses to the client, representing us in all matters before the client, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the client in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the client. **The act done by \_\_\_\_\_ (Name of authorized person) will be binding on the selected bidder.**

IN WITNESS WHEREOF WE, (Name of Bidder)\_\_\_\_\_, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF Date\_\_\_\_\_ .

For **Name of Bidder**,

\_\_\_\_\_  
\_\_\_\_\_

Accepted

Witnesses:

1. (Notarized)

2.

PRICE BID FORMAT

				A	B	C	D	D
SI	Item Description	Qty	Units	Lump Sum Price offered for the complete Project (inclusive of AMC, Spares etc ) as per full Scope of Work (exclusive of GST)	NET margin offered to BECIL on Total Valueof Project (IN Figure %) (exclusive of GST)	A*B	A-C	Total D in figure
1	Description Of Work	1	Lot					

**No.D-22012/43/2020-SSO(S)**  
**Government of India/Bharat Sarkar**  
**Ministry of Home Affairs/Grih Mantralaya**  
**(Secretariat Security Organisation)**

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NDCC- II Building, Jai Singh Road,  
New Delhi, dated 22<sup>nd</sup> January, 2024.

**Sub: Limited Tender Notice (online) for inviting Technical and Financial Proposal (Two Bid System) for installation of IP based Security and Surveillance system at Sankhiyaki Bhawan, Sewa Bhawan, CCTV Control Rooms etc. under MHA (SSO) Security cover Buildings, New Delhi-regarding.**

Ministry of Home Affairs invites Limited Tender to install IP based CCTV (Box and Dome type Cameras) to cover the identified areas which are outside building as attached at **Annexure-V** under security cover MHA, New Delhi, at access point perimeters and parking areas. The specification of cameras and other accessories are as per list enclosed (**Annexure-I**)

2. The crucial dates for the tender are as under:

<b>Notice issue Date</b>	<b>23.01.2024</b>
<b>Bid submission Start Date</b>	<b>24.01.2024</b>
<b>Bid submission End Date &amp; Time</b>	<b>07.02.2024</b>
<b>Technical Bid Opening Date &amp; Time</b>	<b>08.02.2024</b>

3. Interested Central Public Sector Undertakings (As per list enclosed) may submit the tenders online only through e-Procurement Portal <http://eprocure.gov.in/eprocure/app> in the prescribed proforma. Tender submitted by any other mode or incomplete tenders will not be accepted. No tender documents will be accepted after the expiry of stipulated date and time for the purpose under any circumstances whatsoever. The bids will be submitted (Technical and Financial bid) as specified in tender details **by 07<sup>th</sup> Feb., 2024 (till 02.00 PM)**.

4. Specification of Various Components of CCTV Surveillance Systems, General Terms and conditions of the tender, the NVMS functional requirements, Technical Bid proforma, List of Buildings and its location, Financial Bid proforma, are given in **Annexure-I, II, III, IV, V and VI** respectively.

5. Evaluation of Tender as per Discounted Cash Flow (DCF) method is at **Annexure-VII**. Location of work and cameras may be seen at **Annexure-VIII**. List of CPSUs is at **Annexure-IX**.

6. The bids will be opened on **8<sup>th</sup> Feb., 2024 at 11.00 AM**. Selection of the CPSU of Technically qualified bidder will be based on the recommendation of the "Technical Evaluation Committee" of this Ministry. The Financial bids will be opened only for technically qualified CPSUs.

**Enclosed: As above.**

  
22/1/24

(C.S. Thakur)

**Deputy Secretary to the Govt. of India**

RESTRICTED CIRCULATION

MINISTRY OF HOME AFFAIRS  
(Secretariat Security Organization)

MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF  
THE CCTV SURVEILANCE SYSTEM RECOMMENDED FOR GOVERNMENT  
BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE  
BUILDING

MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

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(g)	Rack 36 U or 24 U or 9 U	
(h)	Junction Box	

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(X)

MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

1(a) IP Based Fixed Box Camera

2.1 Mega Pixel Full HD1080 Fixed (BOX) Camera Specifications		
Sr. No	Specification	Description
1	Image sensor	1/3" Progressive scan CMOS sensor with WDR
2	Resolution	1920x1080p
3	Mega Pixel	2.1 Mega Pixel Full HD.
3a.	Lens	5-50mm varifocal,
4	Minimum Illumination	Colour- 0.5 Lux @30IRE, Black & White- 0.05 Lux @30IRE,
5	Signal to Noise Ratio	>= 50dB, Back light compensation ON/OFF selectable
6	Compression	Dual H.264 compression standards.
7	Lens mount	CS/ C type
8	Day/Night Camera	Auto day/night configuration
9	FPS	Min 25-Frames per second for both the streams with Full HD @ 25FPS @ H.264 + D1 @ 25FPS @ H.264 on two streams respectively
10	Shutter speed	1 s to 1/5000 or better
11	Tamper Detection	ON/Off
12	Bit Rate	64Kbps to 8Mbps, Camera should able to give stream in both CBR and VBR. With CBR maximum of @2Mbps bit rate. Shall work on less than 3Mbps average for Full HD @ 25FPS @ VBR
13	Streaming	Camera should support unicast and multicast streams
14	Web interface	Camera should have web interface to configure and control
15	Text superimposing	Super imposing the title and date & time on the video
16	Alarm input	One Dry alarm input & Output
17	Edge Storage	Provision for 64GB SD Card.
18	Ethernet, Network protocols	10/100 Tx Auto sensing (half/full duplex), 802.3af class 3 PoE, IPv4/v6, Unicast, Multicast, RTP, TCP, UDP, HTTP, IGMP, ICMP, DHCP, DNS, ONVIF
19	Discovery Interface	OEM interface to detect the cameras automatically and configure network settings.
20	Housing	vandal resistant Aluminum enclosure with IP66, Sunshield, built in Heater & Blower
21	Power requirement	PoE and Local power supply for camera, Heater and Blower as per manufacturer standard.
22	Operating Temperature	0 to 50 C Degrees
23	Operating Humidity	20 to 80% RH non-condensing

MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

1(b) IP Based Fixed Dome Camera

2.1 Mega Pixel Full HD1080 Fixed Dome Camera Specifications

Sr. No	Specification	Description
1	Image sensor	1/3" Progressive scan CMOS sensor, WDR.
2	Mega Pixel	2.1 Mega Pixel Full HD.
3	Resolution	1920 x 1080 or better and camera resolution can be configurable in all standards resolutions like VGA, 4CIF/D1, HD 720p
4	Illumination	Colour-0.5 Lux @30IRE, Black & White- 0.05 Lux @30IRE, IR sensitive, Back light compensation ON/OFF selectable
5	Signal to Noise Ratio	>= 50dB
6	Compression	Dual H.264 compression standards.
7	Varifocal lens	Focal length: 5mm - 50mm
8	Lens mount	Integrated
9	Day/Night Camera	Should have auto day/night configuration, with auto AGC.
10	FPS	Min 25 Frames per second for both the streams with Full HD @ 25FPS @ H.264 + D1 @ 25FPS @ H.264 on two streams respectively
11	Shutter speed	1 s to 1/10,000 s or better
12	Digital Zooming	Up to 4 X digital zoom the live video.
13	streams	Camera should have minimum dual stream, and each stream can be individually configurable, and can able to choose stream for live and recording.
14	Streaming	Camera should support unicast and multicast streams
15	Bit Rate	Camera should able to give stream in both CBR and VBR. With CBR maximum of @2Mbps bit rate. Shall work on less than 3Mbps average for Full HD @ 25FPS @ VBR
16	Web interface	Camera should have web interface to configure and control
17	Alarm input	One Dry alarm input & Output
18	Text superimposing	Camera should support the super impose the title and date & time on the video
19	Ethernet, Network protocols	10/100 Tx Auto sensing(half/full duplex), 802.3af PoE, IPv4/v6, SNMP, IGMP, DHCP.
20	Housing	vandal resistant Aluminum enclosure with IP66, IK 10 Indoor Housing
21	Power Requirement.	PoE and local power supply for camera, Heater and Blower as per manufacturer standard.
22	Operating Temperature	0 to 50 Degrees C
23	Operating Humidity	20 to 80% RH non- condensing
24	Regulatory Approvals	FCC, CE, RoHS, UL/EN





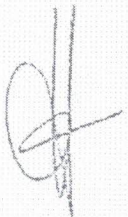
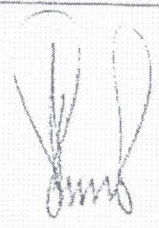


MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

1(d) Network Video Management Software (NVMS)

The Network Video Management software to be used for the system should be able to meet the following minimum functional requirements :

Sl No.	Minimum Functional Specification
1	VMS Management
2	Failover Support
3	Multicasting and Multi-streaming
4	SNMPv3 Support
5	NAT Firewall Support
6	Watchdog
7	Logs
8	VMS Client Viewer (Operator) features
9	Video Cart Facility
10	VMS Storage
11	Video Content Analytics (VCA)
12	Hardware & Software
13	Video Standards and Formats
14	Behaviour Detection
15	PTZ Tracking
16	Tampering Detection
17	Event Generation and Receipt
17	Rules Capabilities
19	Counting Capabilities
20	Management
21	Viewing Search Results Capabilitie
22	Investigation and Forensic Analysis





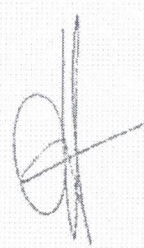
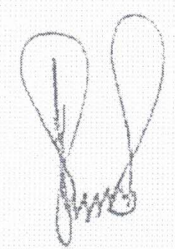


MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

2 . Control Room IT Infrastructure

2 (a) Server :- Network Video Management Server

Network Video Management Server	Specification
CPU	Intel® Xeon® 8 CORE Processor E5-2690
2 No. of Processor	2 (TWO)
Memory Size	128GB (min 8GBx16 or 16GBx8 or 32GBx4 combination), 1333 MHz or higher, upgradable to 768 GB or higher
Storage Details	Hot pluggable SAS HDD 5X600 GB, 10K RPM or higher with min 06 no or higher internal Drive bays.
RAID Controller	SAS Raid Controller with RAID 0/1/1+0/5 with 512MB or higher battery backed cache.
Optical drive	DVD combo drive
Chassis type	19" Rack mountable Server of maximum 2U size with Sliding rails and fittings to install into a Rack.
Power Supply & FAN Redundant	Hot swappable Power supply & Fan
Network interface	Min 4 no Gigabit Ethernet ports or more
I/O Slots	Min 6 PCI/PCIE/PCIX slots or higher
Compatible OS	Microsoft Windows Server, LINUX
Management	OEM Server Management Software
IPV6 Compliance	The Hardware should be IPV 6 Compliant ready
Monitor & KBD/Mouse	18.5" Screen & USB Keyboard & Mouse.



MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

2(b) Desktop: - Video Management Client Access Desktop

Video Management Client Desktop	Specification
Desktop	Processor i7, RAM 4 GB, Hard disk 1TB, Display 18.5 Inch., Keyboard, Mouse, OS Windows 8.

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VIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

2 (c) Storage: - Video Management Storage

Storage	Specification (Video Management Storage Min 30 Days Backup with 24*7)
System Architecture	Storage system should be based on a symmetric and fully distributed grid / scale-out architecture; with linear scalability of performance and capacity
	Storage system should support nodes with multiple CPU architectures (x86, RISC) in the same grid & namespace to ensure future scalability
	Storage system should support node controllers of different generations to participate in the same grid and namespace
Hard Disk Type	Controller nodes should support 1TB, 4TB & 6TB, 7200RPM 3.5 SATA Hot swap disk drives, Raid 5
Disk drives	Each node should contain a maximum 12-disk drives, to minimize hot-spots
Storage Nodes	Storage system should scale from single node to 256 nodes
	System should support capacity / performance enhancement with additional nodes without downtime to production
	Storage system should distribute / load-balance video files across all nodes in the system
	In the event of addition / removal of nodes, the system should automatically rebalance existing across remaining / all nodes
Controller Memory	Each storage node should support minimum 16GB, and should be scalable to at least 32GB
Network Connectivity	Each storage node should support min. 4Gbps aggregate Gigabit Ethernet ports and 400MB/sec aggregated network bandwidth for video streams
System Scalability/Expansion	Capacity: The storage system should support scaling to 4TB under a single global namespace
	Performance: The system should support automatic scaling of performance with every addition of capacity to the namespace
System Redundancies	Individual nodes should support configuration for single or two disk failures, as required Storage node should support network port bonding and sustain port / link failures without connection loss
System management	System should support management of all nodes / controllers through a single window / dashboard
Data Access Protocol	NFSv3, CIFS/SMB
Access Control	Folder and File Level access control security for users and groups which enables only authorised user to access the video files
System Alerts	Integrated error logging and automatic email forwarding of error alerts and error display on web management console
Archiving support	Support for optional tape archiving module with drag and drop feature
Licensing	All above features (except optional tape archiving module) should be enabled and available on the storage system by default
Power Supply	Redundant power supply (230VAC, 50Hz)






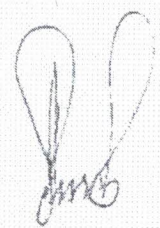
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MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

2. (d & e)

Power Backup: - Online UPS for cameras and server with min 30 mint. Backup.
Display:-LED Display 42 Inch. No is dependent on cameras

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MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

3. ACTIVE NETWORK COMPONENTS

3 (a) Layers 3 Switch (Core Switch)

Layers 3 Switch (Core Switch)	Specification
	<p><b>Architecture</b>                      The switch shall be non-blocking in architecture and should have stand alone/stack/chassis. Shall be 19" Rack Mountable.                      Shall have dual, hot-swappable AC power supplies                      Shall have 16 RJ-45 autosensing 10/100/1000 ports and 24 SFP fixed Gigabit Ethernet SFP ports                      Shall have 4 x fixed 1G/10G SFP+ ports                      Shall have 1 RJ-45 serial console port                      Shall have 1 GB SDRAM and 512 MB flash                      Shall have switching capacity of 208 Gbps                      Shall have up to 155 million pps switching throughput</p> <p><b>Resiliency</b>                      Shall have the capability to extend the control plane across multiple active switches making it a virtual switching fabric, enabling interconnected switches to perform as single Layer-2 switch and Layer-3 router                      Shall support virtual switching fabric creation across nine switches using 10G Ethernet Links                      IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol                      IEEE 802.3ad Link Aggregation Control Protocol (LACP)                      Ring protocol support to provide sub-100 ms recovery for ring Ethernet-based topology                      Virtual Router Redundancy Protocol (VRRP) to allow a group of routers to dynamically back each other up to create highly available routed environments                      Graceful restart for OSPF, IS-IS and BGP protocols                      Bidirectional Forwarding Detection (BFD) for OSPF, IS-IS and BGP protocols</p> <p><b>Layer 2 Features</b>                      Shall support up to 4,000 port or IEEE 802.1Q-based VLANs                      Shall support GARP VLAN Registration Protocol or</p>





equivalent feature to allow automatic learning and dynamic assignment of VLANs  
 Shall have the capability to monitor link connectivity and shut down ports at both ends if uni-directional traffic is detected, preventing loops  
 Shall support IEEE 802.1ad QinQ and Selective QinQ to increase the scalability of an Ethernet network by providing a hierarchical structure  
 Shall support Jumbo frames on GbE and 10-GbE ports  
 Internet Group Management Protocol (IGMP)  
 Multicast Listener Discovery (MLD) snooping  
 IEEE 802.1AB Link Layer Discovery Protocol (LLDP)  
 Multicast VLAN to allow multiple VLANs to receive the same IPv4 or IPv6 multicast traffic

**Layer 3 Features (any additional licenses required shall be included)**

Shall have Static Routing for IPv4 and IPv6  
 Shall have RIP for IPv4 (RIPv1/v2) and IPv6 (RIPng)  
 Shall have OSPF for IPv4 (OSPFv2) and IPv6 (OSPFv3)  
 Shall have IS-IS for IPv4 and IPv6 (IS-ISv6)  
 Shall have Border Gateway Protocol 4 with support for IPv6 addressing  
 Shall have Policy-based routing  
 Shall have Unicast Reverse Path Forwarding (uRPF)  
 Shall support IPv6 tunneling to allow IPv6 packets to traverse IPv4-only networks by encapsulating the IPv6 packet into a standard IPv4 packet  
 Dynamic Host Configuration Protocol (DHCP) client, Relay and server  
 PIM Dense Mode (PIM-DM), Sparse Mode (PIM-SM), and Source-Specific Mode (PIM-SSM) for IPv4 and IPv6 multicast applications  
 MPLS capability including MPLS VPNs and MPLS Traffic Engineering (MPLS TE)  
 VPLS for data center to data center communication at Layer 2; provides support of hierarchical VPLS for scalability  
 Shall provide support of hierarchical VPLS (H-VPLS) for scalability

**QoS and Security Features**

Access Control Lists for both IPv4 and IPv6 for filtering traffic to prevent unauthorized users from accessing the network  
 Port-based rate limiting and access control list (ACL) based rate limiting  
 Congestion avoidance using Weighted Random Early Detection (WRED)  
 Powerful QoS feature supporting strict priority (SP) queuing, weighted round robin (WRR), weighted fair queuing (WFQ), weighted deficit round robin (WDRR)

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and weighted random early discard (WRED)  
 IEEE 802.1x to provide port-based user authentication  
 with multiple 802.1x authentication sessions per port  
 Media access control (MAC) authentication to provide  
 simple authentication based on a user's MAC address  
 Dynamic Host Configuration Protocol (DHCP) snooping  
 to prevent unauthorized DHCP servers  
 Port security and port isolation

Management Features

Configuration through the CLI, console, Telnet, SSH and  
 Web Management  
 SNMPv1, v2, and v3 and Remote monitoring (RMON)  
 support  
 sFlow (RFC 3175) or equivalent for traffic analysis  
 Management security through multiple privilege levels  
 with password protection  
 FTP, TFTP, and SFTP support  
 Port mirroring to duplicate port traffic (ingress and  
 egress) to a local or remote monitoring port.  
 RADIUS/TACACS+ for switch security access  
 administration  
 Network Time Protocol (NTP) or equivalent support  
 Shall have Ethernet OAM (IEEE 802.3ah) management  
 capability

Environmental Features

Shall provide support for RoHS and WEEE regulations  
 Shall be capable of supporting both AC and DC Power  
 inputs  
 Operating temperature of 0°C to 45°C  
 Safety and Emission standards including UL 60950-1;  
 IEC 60950-1; VCCI Class A; EN 55022 Class A

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MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

3 (b) PoE Switch

PoE Switch	Specification
	<p>The switch shall have 8 RJ-45 auto-negotiating 10/100/1000 PoE ports</p> <p>The switch shall have two 1000BASE-X SFP port in addition to above ports</p> <p>The switch shall support IEEE 802.3af PoE and IEEE 802.3at PoE+</p> <p>The switch shall have minimum 65 Watts for PoE Power</p> <p>Shall support 1000 Base- SX, LX, and LX Bi-directional SFP transceivers</p> <p>Switching capacity of 20 Gbps</p> <p>Switching throughput of up to 14 million pps</p> <p>1 RJ-45 console port</p> <p><b>Layer 2 Features</b></p> <p>Configurable up to 8000 MAC addresses</p> <p>Shall support IEEE 802.3ad Link Aggregation Control Protocol (LACP)</p> <p>Shall support IEEE 802.1D Spanning Tree Protocol</p> <p>Shall support IEEE 802.1w Rapid Spanning Tree Protocol for faster convergence</p> <p>Shall support IEEE 802.1s Multiple Spanning Tree Protocol</p> <p>Shall support IGMP snooping for multicast filtering instead of flooding traffic to all ports, improving network performance</p> <p>Shall support MLD snooping to forward IPv6 multicast traffic to the appropriate interface, preventing traffic flooding</p> <p>Shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP)</p> <p>Shall support LLDP-MED (Media Endpoint Discovery) to automatically configure network devices such as IP phones</p> <p><b>Layer 2 and Layer-3 features</b></p> <p>Shall Support IEEE 802.1Q with 4,094 simultaneous VLAN IDs</p> <p>Shall support Voice VLANs</p> <p>Shall support gratuitous ARP to allow detection of duplicate IP addresses</p> <p>Shall Supports up to 10 kilobyte frame size to improve</p>

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the performance of large data transfers  
 Shall support Static IPv4/IPv6 routing , 32 static routes  
 Shall support DHCP relay to simplify management of  
 DHCP addresses in networks with multiple subnets

Security and QoS Features:

Shall support port security and port isolation  
 Shall support MAC and Port based ACLs enable  
 network traffic filtering and enhance network control  
 Shall support ACL and QoS for IPv6 network traffic  
 Shall support time-based ACLs to allow for greater  
 flexibility with managing network access  
 Shall support IEEE 802.1X and RADIUS network logins  
 to control port-based access for authentication and  
 accountability  
 Shall support MAC- Based authentication  
 Shall support strict priority queuing (SP), weighted  
 round robin (WRR) queuing, and SP+WRR ,DSCP  
 Shall support ARP attack protection feature to block  
 ARP packets from unauthorized clients  
 Shall support DHCP snooping to block unauthorized  
 DHCP Servers  
 Shall support STP BPDU protection preventing forged  
 BPDU attacks  
 Shall support STP Root Guard to protect the root bridge  
 from malicious attacks or configuration mistakes

Management Features

SNMP V2/V3 ,SSHv2, Limited CLI/Telnet , web based  
 interface and Dual flash images  
 IPv6 host support to be managed using IPv6  
 Shall support Port mirroring  
 Shall support intuitive Web GUI (http/https) for easy  
 management  
 Shall support Limited command-line interface to  
 deploy and troubleshoot  
 Shall support management security through multiple  
 privilege levels  
 Shall support single IP address management for up to  
 16 switches  
 Shall support Network Time Protocol (NTP)  
 Shall have an operating temperature of 0°C to 40°C

Safety and Emmission:

UL 60950/IEC 60950-1/EN 60950-1 and FCC part 15  
 Class A/VCCI Class A/EN 55022 Class A;




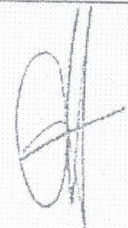
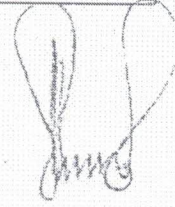
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MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

3( c ) Firewall & Security

Firewall & Security	Specifications
<p>Antivirus Software - Data Center Security Server, Monitoring Edition, &amp; Server Advanced</p>	<p>Key Features</p> <ol style="list-style-type: none"> <li>1. Agentless network-based threat detection and protection (Network IPS).</li> <li>2. Operations Director delivers out-of-the-box security intelligence and automates policy-based security orchestration within the Symantec Data Center Security product family, enables application centric security services, and seamlessly integrates with VMware NSX to extend security policy orchestration to third party security tools.</li> <li>3. Unified Management Console (UMC delivers a consistent management experience across Data Center Security products.</li> <li>4. In-guest file quarantine and policy-based remediation.</li> <li>5. Security monitoring across physical and virtual servers including real-time file integrity monitoring, configuration monitoring, consolidated event logging, and file and system tamper prevention.</li> <li>6. Security monitoring of OpenStack Data Centers including configuration changes, monitoring of Keystone program files and Keystone data, and access monitoring.</li> <li>7. Security monitoring of AWS public and hybrid clouds (VPCs) including security configuration monitoring, file integrity monitoring, whitelisting with application control for on-premise and off-premise data centers, and security automation across the cloud environment via REST API.</li> <li>8. Out-of the-box host IDS and IPS policies.</li> <li>9. Sandboxing and process access Control (PAC), host firewall, compensating HIPS controls, file and system tamper prevention and application and device control.</li> </ol>








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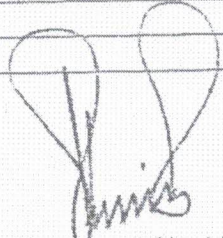
MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF THE CCTV SURVEILLANCE SYSTEM RECOMMENDED FOR GOVERNMENT BUILDING UNDER MHA SECURITY COVER FOR AREAS INSIDE THE BUILDING

4. Passive Network Components

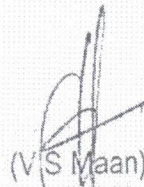
Specifications	
(a)	Fibre Cable :- Fibre Cable 12 core
(b)	UTP Cable :- CAT 6 Cable
(c)	Power Cable :- Power Cable 2.5 mm or 3.5 mm
(d)	PVC Channels
(e)	Flexi Pipe
(f)	Networks connector and cords
(g)	Rack 36 U or 24 U or 9 U depending on network size.
(h)	Junction Box

  
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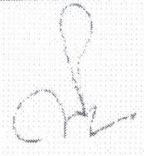
(Mukesh Kumar Meena)  
Jt. CP(NDR)  
Delhi Police



(Dushyant Singh)  
CSO  
MHA



(V S Maan)  
DIG(GBS)  
CISF



(A P Pandey)  
Asstt. Director  
IB



(S K Aggarwal)  
Director (Security)  
NIC



(R C Semwal)  
(Joint Deputy Director, IB)

**General Terms and Conditions**

**1. Parties:**

The Parties to the contract are the firm (the tenderers to whom the work has been assigned) and the Government of India through the Ministry of Home Affairs for and on behalf of the President of India, hereinafter referred to as "the Ministry".

**2. Address:**

For all purposes of the contract including arbitration there under, the address of the firm mentioned in the tender shall be final unless the firm notifies a change of address by a separate letter sent by registered post with due acknowledgement to the Ministry. The firm shall be solely responsible for the consequences of any omission or error to notify change of address in the aforesaid manner.

**3. Security Deposit:**

(i) The bidder should submit bid security/EMD @ **Rs. 10,00,000/-**, payable to **"Pay & Accounts Officer (Sectt.), Ministry of Home Affairs, New Delhi"**, in the admissible form as per Rule 170 of GFR, 2017. It may be valid for a period of forty-five days beyond the final bid validity period. Technical bid will not be accepted without "Bid Security".

(ii) "Bid Security/EMD" of the unsuccessful tenderers will be returned without interest after finalization of tendering process.

(iii) The successful tenderers will have to deposit a security-cum performance guarantee @ 5% (as per O.M No.F.9/4/2020-PPD dated 12/11/2020) in the form of an Account Payee Demand Draft or Fixed Deposit Receipt or Bank Guarantee from any Commercial Bank duly placed in the name of the **"Pay & Accounts Officer (Sectt.), Ministry of Home Affairs, New Delhi"**. The performance guaranty is refundable after expiry of 14 months from the date of installation. The security amount may be forfeited in case the services of the contractor are unsatisfactory or in case of violation of the terms and conditions of the contract.

**4. Subletting of work:**

The firm shall not assign or sublet the work or any part of it to any other person or party without first obtaining permission in writing of the Ministry, which it will be at liberty to refuse if thinks fit.

**5. Right of acceptance:**

- i. The Ministry reserves the right to reject any or all tenders/ bids without assigning any reason thereof and also does not hinder itself to accept the highest/ lowest quotation only.
- ii. Any failure on the part of the firm to observe the prescribed procedure will reject the contractor's bid/ offers.

**6. Communication of Acceptance:**

The Ministry in due course will inform successful tenderer of the acceptance of his/her tender.

**7. Right to call upon Information Regarding Status of Work etc.:**

The Ministry will have the right to call upon any information pertaining to the work at any point of time and the firm will be bound to provide the information on receipt of the Ministry in this regard.

**8. Scope of work**

**8.1 Specification**

The specification of various components of IP based security and surveillance systems CCTV is at **Annexure I**

The details of minimum technical specifications of various components for CCTV surveillance system for the buildings include the following components:

- i. IP based Fixed Box Camera
- ii. IP based Fixed Dome camera
- iii. Network Video Management Software (NVMS)  
(Details are as per **Annexure III**)
- iv. Control Room IT Infrastructure:
  - a. Server – Network Video Management Server
  - b. Storage – Video management Storage
  - c. Desktop – Video Management Client Access Desktop
  - d. Online UPS for Cameras and server with Minimum 30 – minute back up
  - e. Display – LED Display of 42” – Nos dependent on cameras
- v. Active Network Components & Passive Network Components  
(As per Annexure I)



- i. Interested Central PSUs are also advised to visit the Government buildings for the following purposes:
  - a. Site Survey before bidding, in case they wish so
  - b. To see the site conditions before quoting the price.
  - c. To design the solution as per site requirement.
  - d. To understand the site condition.
- ii. The complete installation of the System at the Purchaser's site shall be the responsibility of the CPSUs.
- iii. Earthing arrangements for all the equipment shall be the responsibility of the Supplier and to be carried out as per standard procedures.
- iv. Responsibility of Completion & Software Optimization: Any fitting or items which may not be specially mentioned in the specifications but which are necessary are to be provided by the CPSU without any extra charge for completeness of the work under this Tender.

### 8.3 Time Period

- i. Central PSU will ensure that the entire work should be completed within the stipulated period of time i.e., within 60 days of award of work order.
- ii. The firm will ensure that all the work of supply, installation, erection and commissioning of IP based Security and Surveillance systems CCTV is completed in the prescribed time and in no case the contractor firm may do any activity which may disturb senior officers to work/hamper the official duties of the employees of these government buildings.
- iii. CPSU will bear the responsibility to bring the items and installation of the same in the office.

### 8.4 Eligibility and evaluation criteria

- i. The CPSUs should have completed at least one CCTV project of Govt. offices complexes having minimum value of **Rs. 5.00 Crore** during the last three financial years with documentary proof.
- ii. Copies of experience certificate of equivalent document in support of satisfactory completion of CCTV installation from clients shall be provided. The experience certificate should be signed by an authority not below the rank of Under Secretary.

iii. Manufacture Authorization Letter required to be submitted confirming that bidder is authorized to quote the products of OEM & product should comply with the requirement of this Ministry as per specifications given.

iv. The proposed system shall be of a manufacturer with as minimum of Ten (10) years of experience and offerings in the IP network video cameras and software market. Manufacturer shall also have a direct presence in India with local registered office & own service center for repair and support within India, the letter stating the same with service center address should be submitted by the manufacturer on its letter head.

v. Offered cameras and NVMS software repair/troubleshooting shall be supported from OEM's India office, the letter stating the same from OEM's with service center address shall be submitted.

vi. Signed declaration on letterhead from the Original Equipment Manufacturers (OEM's) of the offered surveillance camera & NVMS shall be submitted confirming that offered camera models & NVMS software are integrable and support all the configurations. Offered NVMS software and cameras should be from same make.

vii. Cameras and other accessories shall have quality system compliance and shall be UL, CE (EN), ROHS, FCC, BIS certified as applicable to the equipment. All supportive documents should be attached with the technical bid.

viii. **Security:-**

- a) The system shall allow defining user password policy, including minimum length, minimum number of letter and numbers.
- b) The system shall be capable of integrating to Active Directory and sync users and users groups with AD.
- c) The system shall allow setting TLS certificate to be used for the web client application.
- d) The system shall support secured connection between selected or all cameras and recorders, using Transport Layer Security (TLS) for control information
- e) The system should deter the tampering of recording by any level of user. If any video file is deleted/modified by any other means than automatic overwrite by system, then system shall raise the alarm and or send a email message to designated address. Manufacturer letter confirming the same shall be provided.

- ix. Items of which specifications are not mentioned in tender document should be of ISI /BIS mark/standard or according to applicable Governments Norms. The items should be of reputed brands.
- x. The Network Video Management software and the Cameras should be from the same OEM for seamless integration. (Mandatory).
- xi. NVMS (Centralized Software) should have capability of being scalable and can add up to 10000 Cameras (For Viewing and recording).
- xii. Offered camera make and NVMS software combination shall be installed, commissioned and proven for at least one year (from completion) each with more than 1000 cameras on at least two sites in India. PO copies on OEM (from end customer or SI) & Performance letter stating the same by two end customers shall be submitted as PTR (Proven Track Record) criteria.
- xiii. The 'Make' of the camera & NVMS offered must have installed base of at least 10000 nos. of IP cameras in the public safety domain in India as on 31/3/2023. The bidder must provide a certificate of OEM with supporting PO's to this effect.
- xiv. Offered camera models and NVMS software must be listed on ONVIF website for ONVIF Profile & conformance required for interoperability of all the devices. Print from ONVIF site shall be submitted which can be verified during evaluation.
- xv. Brochure of each item in respect of which rates are quoted should also be attached.
- xvi. Compliance sheet should also be attached from bidders' end giving undertaking that the items to be provided by them comply with the specifications provided.
- xvii. Bidder should clearly mention if there is any deviation from the specification or else no deviation certificate may be enclosed.
- xviii. The service provider should not have been debarred/black-listed by any Central/State Government Agency.
- xix. Every page of the tender document should be signed and stamped by the bidder and the same has to be uploaded in technical bid.

xx. Provisions of Public Procurement (Preference to Make in India), order 2017 as amended on 16<sup>th</sup> September 2020 issued by the M/o Commerce and Industry, Department for Promotion of Industrial & Internal Trade shall be applicable.

xxi. Provision of Rule 144(xi) of GFR, 2017 issued vide OM No.6/18/2019-PPD dated 23<sup>rd</sup> July, 2020 by the Department of Expenditure (Public Procurement Division), Ministry of Finance shall be applicable.

xxii. The Tenderer should have average annual turnover of **Rs. 5 crores** during the period of last 3 years i.e., 2020-21, 2021-22 & 2022-23 to meet the obligation under contract. They should submit audited Balance Sheet and profit & loss account for last **03 years**, duly authenticated by a Chartered Accountant/ Cost Accountant in India and bank's report for their credit worthiness.

xxiii. The Lowest price (L-1) will be decided on the basis of price quoted by the particular bidder inclusive of all applicable levies/duties/taxes/agency commission etc. for delivery of stores at destination i.e( **Consignee's Location**) and CAMC charges. Bidder shall quote rates separately for 5(Five) years Comprehensive Annual Maintenance Contract in price bid. Rates quoted for Comprehensive Annual maintenance Contract (CAMC) will have impact on the status of L-1 firm; hence the tenderer should quote rates for 5 years CAMC after warranty period of one year from the date of installation. The Buyer reserves the right to evaluate the offers received by adopting Discounted Cash Flow (NPV) method with a discounting rate of 7%. The formula of Discounted Cash Flow (NPV) is enclosed at **Annexure-VII**.

xxiv. Incomplete technical bid proforma and financial bid will not be accepted and bid will be rejected.

**8.4.1. TECHNICAL BID** (first cover) should comprise **scanned copy** of the following:

- i) **Technical Bid should be submitted online as per Annexure-IV** along with supporting documents as called for in the tender conditions duly filled wherever necessary. All these documents should be signed by authorised person.
- ii) Copy of PAN Number, GST/ Income tax registration, excise registration or any other mandatory registration
- iii) Warranty / guarantee confirmation certificate.

- iv) Details of bankers along with bank account, IFSC code and other details required for electronic transfers of payment.
- v) Past performance details along with copies of orders / contracts awarded to the bidder.
- vi) OEM certificates/authorization and enlistment certificates (wherever applicable).
- vii) Export / import license (wherever applicable)
- viii) Technical detail/ leaflets/ brochure / compliance statement on specifications of subject stores to confirm on the qualitative requirements. The tenderers will be required to specifically mention the availability of detail literature on each specification / QRs in the brochure or technical literature provided by the suppliers. Clause wise technical compliance shall be submitted with comment on deviations, if any.
- ix) Any other relevant document / certificate which is required to be submitted by the firm in line with the requirement of the subject tender enquiry.

#### **8.4.2 COMMERCIAL/PRICE BID (second cover):**

**Price should be quoted in second cover online only in prescribed format as per Appendix- VI.** The quoted rates must be valid for a period of 180 days from the date of opening of tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and they shall be suspended for the time specified in the tender document as per Declaration of Bid Security, without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, condition etc. of their original tender.

#### **8.5 Service Level Agreements (SLA)**

- i. The contractual firm will provide Comprehensive Annual Maintenance Contract for CCTV surveillance system and LAN system up to five years after the expiry of warranty period of one year.
- ii. The contractor shall be responsible for maintenance of all equipments mentioned in Schedule with a view to provide uninterrupted service of the CCTV System including necessary preventive maintenance, attending to major and minor breakdowns post failure repairs and modifications if any, required for the CCTV system.

- iii. The CCTV system installed is monitored round the clock by our Control Room staff. Hence the contractor shall depute only competent and efficient staff for routine maintenance as well as to attend the breakdowns to ensure the trouble free working of CCTV system.
- iv. The CAMC shall also include the trouble shooting of any network issues arising in the CCTV network.
- v. The service personnel deputed by the contractor shall be well qualified and having enough knowledge in the field of Wireless networking and CCTV System. The list of service personnel along with their qualifications and experience shall be enclosed along with the tender document with proper proof.
- vi. Contractor shall only deploy their service engineers whose antecedents have been verified by local police authority.
- vii. The representative of the contractor shall report daily to in-charge of control room and visit to CCTV control room to carry out all necessary inspections/ tests in the CCTV system. Rectification of any defects during inspection shall be endorsed in the maintenance register available with In-Charge of CCTV Control Room.
- viii. At the end of each major breakdown repair, contractor's Engineer should prepare a service report and submit the same to the In-Charge Control Room.
- ix. All the tools and testing instruments required for checking testing and attending to routine maintenance and breakdowns shall be arranged by the contractor.
- x. The components of the equipment will be the whole responsibility of contractor for procurement and replacement as and when required during the period of AMC.
- xi. The contractor's staff will carry the routine spares required for preventive maintenance to ensure minimum down time without any additional cost. In addition to those spares contractor will also arrange other spares if required without any additional charges.
- xii. Breakdown call shall be attended with a time frame after getting the message by phone or fax /email. If the repair is major contractor shall provide standby equipment at contractor cost.
- xiii. In case of major repairs necessitating removal of the equipment to the contractors service centre, the system or its parts shall be reinstalled at the owner premises after repairing the set in working condition. Provision of standby camera comes under the scope of contract.

xiv. Trained and supervisory control staff shall be permitted to minor urgent changes if required for which suitable log will be maintained by control room staff.

xv. A log book will be maintained in the CCTV room in which day to day failures and problems notices shall be entered and informed to the contractor indicating date and time. The contractor's Engineer/representative has to fill up the log book as per schedule maintenance check up giving the details as well as corrective measures taken by the contractor's engineers with date and time.

xvi. All remedial maintenance of the equipment and its preventive maintenance required periodically shall be provided by the contractor. Such maintenance comes under the scope of contractor. Supply of and fitment of all parts including consumable will need replacement from time to time with understanding that replaced part immediately will become govt. property and the part removed will become contractor's property with condition that the contractor shall use new and unused except those parts which can be reused after required servicing.

xvii. The contractors shall ensure that the full configuration of the equipment is in proper working condition, after repair and maintenance.

xviii. All minor repairs/services should be made only at Department's premises. As far as possible no equipment will be sent to the contractor's premises for any repair. If at all, it is found necessary to take the equipment to the contractor's premises, the configuration of the equipment in details must be got noted before it is sent out. The items will be taken out only with proper documentation such as materials gate passes and with proper acknowledgements. All endeavours will be made by the contractor to return such items taken out for servicing within a reasonable period of one week and by equipment similar to the equipment under service to be provided before taking it out on material gate pass, till the original component is replaced AT NO EXTRA COST. The contractor is required to record all such issues, returns / replacements of equipment promptly.

xix. In any case where the equipment could not be rectified / replaced by the firm within the reasonable time, Ministry of Home Affairs reserves the right to get the equipment repaired / replaced through another agency at the risk and cost of the contractor. The contractor will have to bear expenses incurred by the Ministry on this account. This action will be taken if the equipment is neither rectified/ replaced nor any stand-by is provided even after the reasonable time.

xx. Taking shelter under flimsy reasons such as damage could have been caused by rat bite, power outage, rough handling on the part of the user and similar such reasons, and failing to provide maintenance / replacement support will not be acceptable.

xxi. Complete hardware and software support to be extended by the contractor.

xxii. Carrying any software changes if required without additional charges with the consent of In-Charge, CCTV Control Room, SSO, Ministry Home Affairs.

xxiii. In case of odd hour's failures and emergencies even on holidays and Sundays, normal service is to be rendered by the contractor. The Contractor shall ensure that the equipment is in good working condition and is with full configuration while handing over at the end of the contract period.

xiv. The service personnel deputed by the contractor shall be well qualified and having enough knowledge in the field of Wireless networking and CCTV System. The list of service personnel along with their qualifications and experience shall be enclosed along with the tender document with proper proof.

xv. Tender will be awarded to L-1 bidder including CAMC of five years, but there is provision on agreement if service and support is not found satisfactory by L-1 bidder, the agreement can be terminated any time.

### **8.5.1 PREVENTIVE MAINTENANCE**

i. The preventive Maintenance shall be carried out once in a month. The contractor shall undertake preventive maintenance of CCTV System in the last week of every month. In addition to the preventive maintenance the contractor shall attend break down calls whenever emergency arises and there will be no limit for such calls.

ii. The preventive maintenance of the system should be carried out in the presence of the Control room technical staff. The preventive maintenance of the CCTV System includes cleaning all the equipments, checking the individual complete performance of equipments of the CCTV System.

iii. The contractor shall ensure the proper working of recording of the video obtained from the CCTV cameras and necessary backup has to be taken in the form of DVD/CD in the regular interval as instructed by Control Room In charge. The provision of DVD/CD shall be in the scope of work of tender.



- iv. The service engineer of the contractor attending to the maintenance shall monitor the environment in which the hardware is working and forewarn the control room in charge of any factor detrimental to the satisfactory performance of the hardware.
- v. A schedule for preventive maintenance shall be drawn by the contractor and submitted to the control room in charge well in advance. It will be in such a manner that all the equipment falling within the preview of the contract is covered in a systematic manner.
- vi. The contractor shall upkeep the service/maintenance record for all the units and Peripherals with the following details.
  - a) Location of the Unit.
  - b) Name of Equipment.
  - c) Date of Periodical Maintenance attended.
  - d) Due date for next Periodical Maintenance.
  - e) Nature of Defective Noticed.
  - f) Details of Defect Attended with date.
  - g) Name of Service Engineer.
  - h) Name of the In-Charge of SSO, Ministry of Home Affairs with signature and office seal.
- vii. It is obligatory for the CPSU to keep one dome & one box camera in spare at any time on site during whole period of contract to replace any faulty camera, immediately, if any.

#### **8.5.2 PENALTY ON CAMC:**

- i. During the warranty period as well as the Comprehensive AMC period, any Server, CCTV Camera, TV Display or networking setup is found defective or does not work for any reason, the successful bidder should attend the call within six working hours from the time of reporting through e-mail/ telephone / fax etc. and rectify the problem within Next Business Day (NBD) or 24 Hrs. thereof; failing which penalty of **Rs. 1000 per day** will be imposed subject to maximum period of 30 days.
- ii. If any spare parts are to be replaced/repared, it must be carried out within 05 days from the date of registering the complaint.
- iii. Penalties (if any) as above shall be deducted from the quarterly bills.
- iv. No penalty shall be applicable if service provider makes alternate arrangements by providing a spare system of comparable capacity till repairs are done. However, the maximum cumulative penalties on account of above shall not exceed 5% of the total Contract value during the contract period.

## **8.6 INSPECTION:-**

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The contractor shall offer the units for inspection after periodical maintenance/Service Repair to an authorized representative of and also get a report signed by the concerned Control Room in charge with office seal before submission of bill for quarterly payment from Ministry of Home Affairs.

## **8.7 Training**

- i. The scope of work envisages that the Bidder shall undertake to train the staff nominated by department in different aspects of equipment, functioning, testing, operation & administration.
- ii. The CPSU shall at every stage of installation; testing and commissioning provide all facilities for adequate training to the staff nominated by department in Ministry of Home Affairs, who may be deputed to work on the project.
- iii. The system Administration and Maintenance Training program, at the user's location, will be structured so as to train 2 (Two) officers/officials nominated by department.
- iv. The training programme should be of at least three days and atleast 6 hours per day. The Seller shall provide appropriate brochures, technical literature, catalogues, tool kit, hard and soft copy of operation manual, software and other items where ever applicable from the manufacturer/principals (with signature and seal of the firm on brochures/literature) with equipment free of cost.
- v. Bidder will provide complete details on the training programs to be offered including :
  - a. Material to be covered.
  - b. Number of hours of training per operator of technician for each specific course
  - c. Supporting documentation to be provided
  - d. The supplier also upgrades the software free of cost whenever such upgradation occurs.

## **8.8 Spare Parts**

- i. The L-1 firm to whom the tender will be awarded have to maintain stock of spare parts of the system for atleast 6(six) years from the date of completion of the installation work.
- ii. The Bidder will undertake that supplies of necessary maintenance equipment and spare parts will be made available for all the equipment and the complete System for a period of 6(Six) years on continuing basis.

**9. Liquidated Damages (LD): -30-**

(i) If the contractor fails to deliver the stores or any installment thereof within the period fixed for such delivery or at any time repudiates the contract before the expiring of such period the purchaser will recover from the contractor liquidity damages including administrative expenses by way of penalty a sum equivalent to 0.5 (Half)% of the price of any portion of stores delivered late, for each week or part thereof of delay provided that the total damages so claimed shall not exceed 10% of the total contract price.

(ii) While granting extension of the delivery period, where the delivery of stores or any installment thereof is accepted after the expiry of the original delivery period, the purchaser will recover from the contractor, as agreed, liquidity damages a sum equivalent to 0.5 (Half)% of the price of any portion of stores delivered late, for each week or part thereof of delay provided that the total damages so claimed shall not exceed 10% (Ten) of the value of delayed goods.

(iii) In case of any defects in supply or manufacturing or not conforming to technical specifications, observed during survey at consignee's locations or later during the warranty period, seller will be liable to replace the defective store at their cost.

**10. Payment Procedure**

i. 70% payment will be released on delivery of material, on pro rata basis after receipt acknowledgement/ note of goods received by end user.

ii. Balance 30% payment will be released only after successful installation of systems, training and handing over of the complete system to the ultimate user.

**11. Other Conditions**

i. The Department shall have no liability, financial or otherwise, for any harm/ damage/ injury caused to the manpower/machinery deployed by the firm in the course of performing work of this Department. Neither the firm nor its workers shall have any claim on this Department for compensation or financial assistance on this account.

- ii. The service provider's personnel shall not divulge or disclose to any person any details of office, operation process, technical know-how, security arrangements, administrative and organizational matters as all of these are confidential in nature. It is binding for the contractor firm to not disclose the networking module of above work any other information related to this work to any individual/group/firm which may cause harm to the security of Ministry of Home Affairs.
- iii. The service provider shall replace immediately any of its personnel, if they are unacceptable to the User Department/Ministries because of security risk, incompetence, conflict of interests and breach of confidentiality or improper conduct upon receiving a written notice from any of the User Department in Ministry of Home Affairs.
- iv. The service provider shall ensure proper conduct of its personnel in office premises, and enforce prohibition of consumption of alcoholic drinks/drugs, chewing of paan/ Gutka, smoking, using speakers for listening to music and loitering without any work.
- v. The damage caused, if any, to Government property through the acts of the firm and/or by its workers shall be made good by the agency and decision of the Department in this regard shall be final/binding.
- vi. The performance security shall be valid till all contractual obligations are fulfilled by the firm and will be released after two months of the above seven year contract period. The same shall stand forfeited in case of cancellation of the contract for any breach of contract or for any deficiency in the performance noticed during the currency of the contract.
- vii. A technical expert shall be deputed by CPSU (must be on strength of PSU) in Ministry of Home Affairs throughout the period of contract. Curriculum Vitae and complete details of the person should be submitted with Technical Bid.
- viii. The tender is in two parts (TECHNICAL AND FINANCIAL) for installation of CCTV Surveillance System in Ministry of Home Affairs, by Central Public Sector Undertakings (CPSUs) only who have adequate experience for installation and day to day maintenance of CCTV Cameras
- ix. Configurations for all items as mentioned in Annexure-II are minimum. Bidders are free to quote for equipments/ items having higher configuration.
- x. L-1 will be decided on the basis of lowest rates received in Financial Bid.

- xi. Offered items (Camera etc.) should be available on website of the OEM. The items should not be of dying nature.
- xii. Quotation should be valid till 180 days from the due date.
- xiii. Warranty:- One year from the date of Complete System Handover to Ministry.
- xiv. CAMC:- To be Quoted year wise maximum to 5 years after expiry of One year warranty.
- xv. Basis of price: The offer should clearly indicate units and rates. Prices should be submitted on F.O.R Site.
- xvi. CAMC (comprehensive annual maintenance contract) will cover all spare part under the contract, but physical damage, electric short circuit damage and tempered will not cover under CAMC.

## **12. Breach of Terms and Conditions:**

In case of breach of any of the terms and conditions mentioned herein, the Ministry will have the right to cancel the work order without assigning any reason thereof and nothing will be payable by this Ministry and in that event, the security deposit i.e. "at least 5% to the total of the deposited money" shall also stand forfeited. In case, the balance money/ security deposits fall short of the amount of damages/ losses chargeable by the Ministry, the contractor shall pay the same to the Ministry immediately on receipt of a demand letter from the Ministry.

## **13. Arbitration:**

- i. In case of any dispute the matter will be referred to the Arbitrator appointed by the Ministry.
- ii. All the disputes are subject to Delhi jurisdiction only.

## **14. Force Majeure Clause:-**

If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to "events") provided, notice of the happening of any such event is given by either party to the other within **21 days** from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have

any claim for damages against the other in respect of such non-performance or delay in performance, and deliveries under the contract. The contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Purchaser as to whether the deliveries have been so resumed or not, shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or part or any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that if the contract is terminated under this clause, the purchaser shall be at liberty to take over from the contractor at a price to be fixed by the Purchaser, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

**15. Termination of Contract**

Purchaser shall have the right to terminate this Contract without any notice in part or in whole in any of the following cases:

- a) The delivery of the material is delayed for causes not attributable to **Force Majeure** after the scheduled date of delivery.
- b) The Seller is declared bankrupt or becomes insolvent.
- c) The delivery material is delayed due to causes of **Force Majeure** by more than 21 days.
- d) In case Performance Security is not furnished within 30 days from the date of award of the tender.

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The details of NVMS functionality must be fulfilled as below

The Network Video Management software (NVMS) to be used for the system should be able to meet the following minimum functional requirements:

**1) NVMS Management -**

- i. The NVMS software shall consist of an MS-SQL 2016 or better based Main Directory Database, Failover directory, Recording Server licenses, Failover recording, Digital Virtual Matrix, Incident Reports and Alarm Management, Microsoft active directory integration, SNMP traps support, Audio recording, unlimited storage licenses etc. All the related software licenses should be the part of the offered system.
- ii. Vendor should consider additional server for maintaining system administration database if required by their offered system configuration apart from recording servers.
- iii. The NVMS system should be accessible from at least 25 computers from the network for system administration and video monitoring with minimum 5 simultaneous users. System administration and monitoring can be distributed depending on the sub division of the surveillance areas/zones. Even though system should allow creating unlimited user ID's in the system. It shall also provide minimum 5 licenses for web based clients.
- iv. The NVMS shall support up to 10000 camera connections in single directory.
- v. The NVMS recording Server, for video and audio, shall be capable to support and manage 100 cameras @ 4K Ultra HD @ 25FPS or 200 cameras @ 1920x1080 @ 25FPS or 300 camera @ 1280x720 @ 25FPS or 400 cameras @ 704x576 @ 25FPS or a combination of all with up to 500Mbps recording throughput. But considering the future intention to zonalise the recording **not more than 150 cameras is loaded** on any server during initial design of the system. The NVMS shall support 50/60FPS cameras which may be used for specific applications. NVMS should support H.264 and H.265.

- vi. The NVMS should allow configuring automatic scheduled backup of videos from user selected cameras to specified network drive. It should also allow configuring specific timings of the day whose video need to be backed up.
- vii. The NVMS should allow configuring automatic scheduled backup of videos from user selected cameras to specified local/network drive. It should also allow configuring specific timings of the day whose video need to be backed up. Backup shall be supported in native as well as MP4 format as desired by user.
- viii. The NVMS should provide built-in feature to configure a automatic scheduled backup of management configuration and recorder DB on a designated path on network. It shall be possible to create single instance or recurring (Daily, Weekly, Monthly) schedule backups.
- ix. The NVMS shall provide the facility so as any Android/IOS smart phone can capture the video using its in-built camera and stream it to the NVMS server through 3G, 4G, LTE or wi-fi network. NVMS shall have the capability to automatically popup this video and also indicate the GPS location of the smart phone. At least Five (05) license for this facility shall be supplied.
- x. Software shall have the facility to monitor and record the desktop of any networked windows computer in camera tiles. We intend to use this facility to create the central monitoring display of all the systems (BMS, FAS, ACS, PIDS, Third party system dashboards etc.) on same monitor simultaneously.
- xi. The NVMS shall support the group functionalities to facilitate the administrator to change the setting of all the cameras in single go. i.e. changing resolution/FPS of all the cameras in single command, changing user privileges of all the users with single command etc.
- xii. The NVMS monitor application shall support Adaptive Streaming technology to minimize the decoding load on client workstations to use most advanced technology cameras including 4K Cameras and latest one.
- xiii. Offered NVMS should maintain the single centralized administration, configuration and authentication database for entire system. This functionality can either be loaded on any of the recording server or on a dedicated server. If offered software need dedicated server for this, then the same will be in vendor's



scope. Specifications of administration server should be same as that of recording server except storage size.

- xiv. Offered NVMS software and cameras must be from same make. Combination of different make for software and cameras will not be considered.
- xv. The NVMS should allow to mask a specific area within the picture of any cameras in order to maintain privacy of sensitive areas within MHA without compromising the security. A privileged user should be able to unmask the view during playback or live in case of specific situational requirements.
- xvi. The NVMS shall provide the facility to record operator's onscreen activities by recording the same like cameras. This can be achieved using software or hardware techniques as feasible in offered solution.

## **2) Failover Support -**

- i. Synchronized Failover directory feature should be provided with the offered system to avoid the single point of failure. Also the system should sustain all its current operations i.e. Recording, playback and live video even in the event of primary as well as failover directory failure. This functionality can either be loaded on any of the recording server or on a dedicated server. If offered software need dedicated server for this, then the same will be in vendor's scope. Specifications of failover administration server should be same as that of recording server except storage size.
- ii. Recording facility should also be provided in such a way that if any one of the server fails, 10% of high priority cameras should be taken over by failover facility built within the recording system. Automated Failover recording should be provided to maintain the reliability of the system. In case of failure of one or more of primary recording servers simultaneously, at least 10% high priority cameras from each of the failed server should be automatically taken over for recording by failover recording mechanism. Design of the system should be done considering there could be failure of maximum of 50% server failure at any point of time.
- iii. Redundant recording feature of the NVMS should be provided for 10% of the total cameras simultaneously. System administrator should get the privilege to configure this feature on any 10% of total cameras simultaneously depend on the criticality of the cameras.
- iv. The NVMS shall allow for 2-way audio communication using amplifier/call station connected the IP cameras in the field without any need of audio cabling from camera to control room.

v. NVMS shall also provide the capability to make the announcement on one or many speakers connected to different cameras simultaneously.

vi. **Integration Interface:-**

- a. The VMS software shall offer integration tools, including Software Development Kit and plug-In technology, and provide the most popular environment for 3rd party systems (such as Access Control, ANPR, Marine, Gaming Table, Point-of-Sale, Smart city ICCC etc.) developers and products (such as IP cameras, encoders, etc.) for rapid development and quick integration.
- b. At each camera location emergency call/panic buttons should be provided with full integration with CCTV in such a way that relevant camera should automatically popup in control room if the button is pressed. It should also be possible to pass on such an event to relevant operators within the system and display the procedural instructions
- c. In addition to this facility, highest priority 5% of cameras (i.e. Entry's, Exits and other VVIP room entrances etc. as defined during detailed engineering) shall be parallel recorded on at least two recording units so as to avoid these cameras data even in case of their primary recording server failure beyond recovery.

**3) Multicasting and Multi-streaming: -**

The NVMS client applications shall support IP Multicast (UDP) and Unicast (UDP) video streaming.

**4) SNMPv3 Support -**

- i) The NVMS application should support sending SNMPv3 traps for any NVMS events which can be subscribed by third party SNMP software.
- ii) The NVMS application shall provide support for industry standard SNMP V2.0 and V3.0 and should provide the compatibility with any SNMP application to report the status of various component of NVMS system. Required interface license shall be included in the offer.

**5) NAT Firewall Support: -**

The NVMS should support NAT Firewall.

6) **Watchdog: -**

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- a. The NVMS shall support a built-in Watchdog module
- b. The Watchdog shall monitor operation of all services and automatically restart them if they are malfunctioning.
- c. The Watchdog shall be responsible for restarting the application or in a last resort restart the server in case of malfunction of software components.

**d. Logs: -**

- i. The NVMS application shall provide an Audit trail functionality which enables the recording of all administrator events in SQL database and can be easily accessible.

**e. NVMS Client Viewer (Operator) features: -**

- a). i. The NVMS client shall perform the following applications simultaneously without interfering with any of the Archive Server operations (Recording, Alarms, etc.):

- a) Live display of cameras
- b) Play Live audio
- c) Broadcast audio to remote locations
- d) Live display of camera sequences
- e) Live display of panoramic camera views
- f) Control of PTZ cameras
- g) Playback of archived video and audio
- h) Retrieval of archived video and audio
- i) Instant Replay of live video and audio
- j) Use of graphical controls (maps)
- k) Configuration of system settings

- ii. The NVMS client applications shall support any form of IP network connectivity, including: LAN, WAN, VPN, Internet, and Wireless

- iii. The NVMS client applications shall provide an authentication mechanism, which verifies the validity of the user.

- iv. NVMS Client MONITOR Application

- b). The Client Monitor application shall allow for live monitoring of video and audio.

- i). The Monitor shall enable view of up to 25 video tiles simultaneously on a single monitor.

- ii). The IP Based VMS Shall provide more than 15 tile layouts on each of the high resolution monitors independently including below formats.

- (1) Full screen, Quad, 3x3, 4x4, 5x5, 1 + 9 (One large and 9 small view), 1+11 (One large and 11 small view), 1+12 (One large center tile and 12 small view), 1+15 (One large and 15 small view), And more

- c) The NVMS Monitor application shall allow operators to view an instant replay of any camera or audio input (microphone).
  - i. The operator shall be able to define the amount of time he wishes to go back from a predefined list or through a custom setup period.
  - ii. The operator shall be able to control the playback with play, pause, forward, and speed buttons.
- d) The NVMS Monitor application shall allow operators to add bookmarks to recorded clips of video or audio.
- e) The NVMS Monitor application shall allow for unlimited camera sequences, which can be run independently of each other on either digital monitor tiles or analog CCTV monitors.
- f) The NVMS Monitor application shall allow operators to control (Pause/Play, skip forwards, skip backwards) Camera Sequences, without affecting other operators' ability to view and control the same sequence.
- g) The NVMS Monitor application operator shall be able to drag and drop a camera from a tree of available cameras into any video tile or an analog monitor icon for live viewing.
- h) The NVMS Monitor application shall support Graphical Site Representation (Maps) functionality, where digital maps are used to represent the physical location of cameras and other devices throughout facility.
- i) The NVMS Maps shall have the ability to contain hyperlinks to create a hierarchy of interlinked maps.
- j) The NVMS Maps shall be able to import maps from any graphical software supporting BMP, JPEG and/or GIF image formats.

**9) Video Card Facility -**

- i. The offered version NVMS shall scalable up to 10000 cameras in single directory system considering the future expansion plans.
- ii. The system shall allow the recording, live monitoring, playback of archived video and data simultaneously.
- iii. All the cameras connected to the system should support edge based video card facility for recording.

**10) NVMS Storage -**

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- i. The NVMS Storage solution shall be as minimum set at RAID-5 configuration. Increase of storage size should not be restricted by software licensing from NVMS software OEM. If the offered software restricts the storage size by VMS licensing then licenses should be provided for unlimited storage size as we intend to expand the storage size in near future.
- ii. The NVMS shall be based on a true open architecture that allow for use of non-proprietary PC and storage hardware that shall not limit the storage capacity and shall allow for gradual upgrades of recording capacity

**11) Video Content Analytics (VCA) -**

The NVMS should support multi zone motion detection and Camera Sabotage / Tampering installed at various locations etc.

**12) Hardware & Software -**

- i) The proposed solution shall not require proprietary computer, server, and network or storage hardware & software.
- ii) The hardware & software supplied by the bidder should be compatible and fully integrated with each other with enabling all the functionalities as required.
- iii) The NVMS system shall be based on the latest in software programming technology Microsoft .NET frame work.

**13) Video Standards and Formats -**

- i) The IP Based NVMS shall provide file export tool for export of single frames of video in J-PEG and BMP file formats and for export of motion video files in AVI file format for transport and playback on computers utilizing a Windows environment
- ii) The NVMS shall be based on high quality Dual stream H.264 compression. Combination of One stream of H.264 and one of MJPEG/MPEG-4 will not be accepted as equivalent.

**14) Behavior Detection -**

The NVMS shall support different types of behavior detection viz. multi zone motion detection and Camera Sabotage / Tampering installed at various locations etc.

**15) PTZ Tracking -**

- i) The NVMS application should support operator based PTZ tracking for Pan-Tilt-Zoom cameras with complete PTZ functionality from any client workstation GUI.
- ii) The operator shall be able to choose and trigger an action from a list of available actions included but are not limited to:
  - a. View PTZ camera in a video tile
  - b. Starting/stopping PTZ pattern
  - c. Go to PTZ Preset

**16) Tampering Detection -**

- i) NVMS should not allow the tampering of recording by any level of operator. System shall also provide the facility to trigger the alarm in case of deletion of video files from system by any manual actions.

**17) Event Generation and Receipt -**

- i) The NVMS application should support below types of alarm management in case of any event generation :
  - a. The IP based NVMS shall provide alarm management module
  - b. The IP based NVMS shall notify a user on any alarm set in the system
  - c. The VMS user shall be able to support multiple alarms
  - d. The NVMS system administrator shall be able to set for each user the maximum alarms to be viewed at one time
  - e. It should be possible to populate the alarm on the maps indicating their actual location and current status.
  - f. It should be possible to drag the alarm related video on tile directly from the map.
  - g. It should also be configurable to popup the procedural URL/standard operating procedure for alarm handling specific to the active alarm.
  - h. Alarms should be prioritized and displayed in different color for easy understanding of operators.
  - i. The NVMS user shall be able to forward alarms to other users

18) **Rules Capabilities -**

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- i) The NVMS application shall support various types of rules making capabilities related to Video, Picture and Recording profiles.
- ii) The Operator should be able to select these profiles/rules and can be able to replicate for all the cameras connected to the system as per the requirement.

19) **Counting Capabilities -**

- i) The NVMS application shall support special analytics viz. people counting in the same system. This feature may be required on very few (Approx. 5%) of the cameras as directed by the authority during implementation phase of the project.

20) **Management -**

- i) The NVMS shall provide alarm management module without the need of any additional license.
- ii) The alarm management shall be able to set any monitor or groups of monitors to automatically display cameras in response to alarm inputs.
- iii) The alarm management shall be able to reset automatically or manually alarmed video.
- iv) The alarm management shall allow for multiple modes of alarm handling capability, these modes to be programmed within the same system.
- v) It shall also allow individual escalation matrix for every alarm

21) **Viewing Search Results Capabilities -**

- i. The NVMS should provide the application which should be integrated to the offered NVMS and provide the below mentioned Incident Reporting and backup mechanism. Offered prices should include the price of this application:-
  - a) This application should provide the facility to create the incident reports for specific incidents.
  - b) It should be possible to access recorded video within the VMS system for playback and export from this application.
  - c) It should also allow the operator to write the text, attach the snapshots, video clip, audio clip or any other type of attachment which can be used in connection with this incident and form the entire incident report.
  - d) Entire report should be archived on specific portion on the storage and should be accessible from the web browser.

- e) It should create the library of all the reports and options should be available to search the required report by time frame, subject, report number etc.
- f) It should be possible to send these reports by email or archived on offline media.

**22) Investigation and Forensic Analysis -**

- i) The NVMS shall provide facility to sync playback multiple cameras on single time line allowing the investigators to recreate the sequence of events.
- ii) The NVMS application shall provide the facility to search the motion within specified area for a given period of time.
- iii) The NVMS application shall provide a reporting utility for tracking but not limited to the following options. Video and images shall be stored with reports for documenting events:-
  - a. Alarms, Incidents, Operator logs, Service requests
  - b. The Email Alert should be generated in responds to alarms triggered in NVMS software and sends out email alerts to a preconfigured list of recipients.
  - c. It should be possible to export the settings of various entities within the NVMS i.e Archiver, Directory, cameras etc. It should be possible to print these reports.

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**TECHNICAL BID Proforma**

<b>Sl.No.</b>	<b>Description</b>	<b>Details to be given by the Bidder</b>
1.	CPSU's Name and Full Postal Address	
2.	Name of the authorised person of the CPSU and his Telephone/Mobile No.	
3.	Date of CPSU's Registration with details (Copy of registration to be enclosed).	
4.	GST Number	
5.	PAN Number	
6.	Service Tax Number	
7.	Present/past experience in the field (Satisfactory performance certificate from other Departments is to be enclosed)	
8.	(a). CPSUs should have annual turn-over of <b>Rs. 5.00 Crore</b> for last three years and they should enclose Profit & loss account for this period. (b) They should have completed at least one CCTV projects of Govt. offices complexes having minimum value of <b>Rs. 5.00 Crore</b> during the last three financial years with documentary proof.	

It is confirmed that we have fully understood the scope of work and all other requirements for Supply, installation, erection and commissioning of CCTV Surveillance System at outside building mentioned at Annexure -Vas per the given details in the Tender. We hereby agree to the General as well as Special Terms and Conditions of the Contract as detailed in the tender document. We undertake that the documents enclosed herewith are genuine and no material/facts have been concealed or suppressed. We are not debarred / blacklisted by any Government organization in the field of supply, installation, erection and commissioning of CCTV. We also understand that the contract is liable to be cancelled if found to be obtained through fraudulent means or by concealment of information/facts.

This offer is made to be valid for acceptance by your Department within 180 days from the date of opening of the technical bid.

**(Signature of authorised representative of the firm)**  
**Stamp/ Seal of the firm**

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**Proposed buildings under GBS cover, where IP based security surveillance CCTV systems are to be installed.**

<b>S. NO.</b>	<b>BUILDING NAME</b>	<b>LOCATION</b>
1	Sankhyiki Bhawan	Near Kakrduma court
2	Sewa Bhawan	R.K. Puram
3	All CCTV Control Rooms	16 Locations (as per list enclosed)

<b>S.No.</b>	<b>16 Control Room Locations</b>
1	North Block SSF Control Room
2	NDCC-II Building, Jai Singh Road
3	Major Dhyan Chand National Stadium
4	Jaisalmer House
5	National Archives of India (NAI) ,Rajender Prasad Road
6	Sewa Bhawan, RK Puram
7	Central Soil &Material Research Station (CSMRS Building), Ber Sarai
8	Dak Bhawan
9	Accountant General of Central Revenue Building (AGCR) Near ITO
10	Patiyala House (O/o MEA), Near Patiyala House court
11	CGO Complex Block No.12, CGO Complex Lodi Road
12	East Block No.10, R.K Puram, R.K. Puram, Sector -1
13	East Block No.03 R.K Puram, R.K. Puram (DGCA), Sector -1
14	CGO Complex Block No.03, CGO Complex Lodi Road
15	Khurshid Lal Bhawan (TRC), Near Chandra Lok Building C.P Janpath
16	Lok Nayak Bhawan, Khan Market

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**Financial Bid Proforma**
**Sankhyiki Bhawan**

S.No.	Description	Qty.	Unit	Unit Price	Total price	Make & Model
<b>A</b>	<b>CCTV Line Items</b>					
1	Dome Type Fixed Camera	12	Per Unit			
2	Box Type Fixed Camera	23	Per Unit			
3	Desktop for CCTV Analysis	3	Per Unit			
4	Server for NVMS	1	Per Unit			
5	Rack Mountable Video Management Storage (For 1 Month Recording purpose)	1	Per Unit			
6	Video Management Software	35	Per Unit			
7	MS Windows	3	Per Unit			
8	Layers 3 Switch (Core Switch)	1	Per Unit			
9	PoE Switch	8	Per Unit			
10	SFP Module	24	Per Unit			
11	Fiber Optic Cable 12 core (SM) - Outdoor	2500	Meter			
12	Cat 6A Cable	2100	Meter			
13	Power cable 2.5mm	2500	Meter			
14	Miscellaneous Items (Patch Cord, LIU, Pigtails, HDPE Pipe, Channel, Etc)	Lot	Lot			
15	Junction Box	2	Per Unit			
16	LED 42" Display or Higher	3	Per Unit			
17	Online UPS 5 KVA	5	Per Unit			
18	Pole for CCTV	10	Per Unit			
19	Control room making including AC, Sitting system etc.	Lot	Lot			
20	Installation, Testing & Commissioning of Surveillance Project including Active and Passive Component.	Lot	Lot			
Total Amount Without Tax					-	

<b>B</b>	<b>CAMC Charges for 5 years</b>				
1	Comprehensive onsite support  charges for CCTV surveillance system and LAN system after Completion of 1 year Warranty	Lot		1st Year	
				2nd year	
				3rd year	
				4th year	
				5th Year	
<b>Total Amount for AMC (RS.)</b>					

**Sewa Bhawan**

S.No.	Description	Qty.	Unit	Unit Price	Total price	Make & Model
<b>A</b>	<b>CCTV Line Items</b>					
1	Dome Type Fixed Camera	3	Per Unit			
2	Box Type Fixed Camera	3	Per Unit			
3	Video Management Software	6	Per Unit			
4	PoE Swicth	3	Per Unit			
5	SFP Module	12	Per Unit			
6	Fiber Optic Cable 12 core (SM) -Outdoor	1500	Meter			
7	Cat 6A Cable	500	Meter			
8	Power cable 2.5mm	1500	Meter			
9	Miscellaneous Items (Patch Cord,LIU,Pigtails,HDPE Pipe, Channel,Etc)	Lot	Lot			
10	Junction Box	3	Per Unit			
11	Installation, Testing & Commissioning of Surveillance Project including Active and Passive Component.	Lot	Lot			

**Total Amount Rs.**

<b>B</b>	<b>CAMC Charges for 5 years</b>				
1	Comprehensive onsite support charges for CCTV surveillance system and LAN system after Completion of 1 year Warranty	Lot		1st Year	
				2nd year	
				3rd year	
				4th year	
				5th Year	
<b>Total Amount for AMC (RS.)</b>					

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**16 CCTV Control Rooms (location enclosed)**

S.No.	Description	Qty.	Unit	Unit Price	Total price	Make & Model
<b>A</b>	<b>CCTV Line Items</b>					
1	Dome Type Fixed Camera	16	Per Unit			
2	Video Management Software	16	Per Unit			
3	Cat 6A Cable	800	Meter			
4	Miscellaneous Items (Patch Cord, LIU, Pigtails, HDPE Pipe, Channel, Etc)	Lot	Lot			
5	Installation, Testing & Commissioning of Surveillance Project including Active and Passive Component.	Lot	Lot			
<b>Total Amount Rs.</b>						
<b>B</b>	<b>CAMC Charges for 5 years</b>					
1	Comprehensive onsite support charges for CCTV surveillance system and LAN system after Completion of 1 year Warranty	Lot	1st Year			
			2nd year			
			3rd year			
			4th year			
			5th Year			
<b>Total Amount for AMC (RS.)</b>						

**Note 1:** Items mentioned in Annexure -VI are approximate quantity. CCTV System and other items mentioned in Annexure-VI may be increased or decreased up to 25%.

**Note 2:** The Seller would provide CAMC for a period of 05 years which will commence after warranty period of 01 years. The charges for the CAMC shall be quoted by the bidder for post warranty period. **The Rates quoted for CAMC will have impact on the status of L-1 firm ( By DCF Method) as per annexur VII.**

**Note 3:** Taxes extra as applicable.

(Signature of authorized representative of the firm)  
Stamp/ Seal of the firm

**DETAILED MODALITIES FOR APPLYING DCF TECHNIQUE**

1. Net Present Value (NPV) is a variant of DCF method which is to be used for evaluation of tenders. The Net Present Value of a contract is equal to the sum of the present values of all the cash flows associated with it. The following formula is to be used for calculating NPV of a tender bid

(i) 
$$NPV = \frac{\sum A_n}{(1 + i)^t}$$

Where,

NPV = Net Present Value

A = Expected cash flow for the period mentioned by the subscript

i = Rate of interest or discounting factor which has been determined to be 7% as per the Min. of Finance, GoI

t = The period after which payment is done

n = Payment schedule as per the payment terms and conditions

When choosing among the various bids for the contract, the bid with the lowest NPV should be selected.

2. The application of the Net Present Value Analysis would involve the following 5- steps:

(ii)

Step 1. Selection of the discount rate.

Step 2. Identifying the cash outflows to be considered in the analysis.

Step 3. Establishing the timing of the cash outflows.

Step 4. Calculating the net present value of each alternative.

(iii) Step 5. Selecting the offer with the least net present value.

3. **Prevailing Discounting rate at present under the method is 7%.**

4. Suitable Model for Structuring Cash Flows

(a) Structuring Cash Flows for Tenders/ Bids Received in the Same Currency.

(i) The first step would be to exclude the unknown variables like escalation factors etc while determining the cash flows.

(ii) Thereafter, the cash outflows expected as per the contract schedule from different tenders should be taken into consideration.

(iii) Once the outflows of different tenders become available, NPV of different tenders is to be calculated using the formula given above and select the one having lowest NPV.

(b) Structuring Cash Flows for Tenders/ Bids Received in Different Currency.

(i) Any standard software for example 'Excel', or any other spreadsheet, which comes preloaded as part of a personal computer could be used for NPV analysis.

**Location of work & Cameras at Sankhyiki Bhawan & Sewa Bhawan**

<b>Sankhyiki Bhawan CCTV Details</b>					
<b>S.NO</b>	<b>Location</b>	<b>Pole</b>	<b>Box</b>	<b>Dome</b>	<b>Remarks</b>
1	Entry Gate	1	1	0	
2	Entry Gate Boundary Wall	1	1	0	
3	Exit gate	1	1	0	
4	Exit Boundary Wall Near Temple	1	1	0	
5	Infront Of exit gate	1	1	0	
6	Court Side Middle Boundary	1	2	0	
7	Court Side Corner	1	2	0	
8	Near Piple Tree Corner	1	1	0	
9	Parking Exit area Boundary wall	2	2	0	
10	Building Open Lobby	0	2	0	
11	Small Entry Gate Both Side	0	0	2	
12	4 Basement to Ground stairs	0	0	4	
13	Reception 1&2	0	0	2	
14	B1 Near lift Area	0	0	1	
15	BasementEntry	0	0	1	
16	Basement Exit	0	0	1	
17	B1 Gallery	0	3	0	
18	B2 Ramp Towards	0	1	0	
19	B2 Gallery (corridor)	0	5	0	
20	B2 Lift Area	0	0	1	
<b>Total</b>		<b>10</b>	<b>23</b>	<b>12</b>	

<b>Sewa Bhawan CCTV Details</b>					
<b>S.NO</b>	<b>Location</b>	<b>Pole</b>	<b>Box</b>	<b>Dome</b>	<b>Remarks</b>
1	Gate No. 1	0	0	1	
2	Exit Gate No. 3	0	1	0	
3	Exit Gate No. 4	1	1	0	
4	Handicapt Lift	0	0	2	
5	In-Gate CPWD	0	1	0	
<b>Total</b>		<b>1</b>	<b>3</b>	<b>3</b>	

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**All CCTV Control Room 16 Locations**

<b>S.No.</b>	<b>Control Rooms' Locations</b>
1	North Block SSF Control Room
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5	National Archives of India (NAI) ,Rajender Prasad Road
6	Sewa Bhawan, RK Puram, New Delhi
7	Central Soil &Material Research Station (CSMRS Building), Ber Sarai
8	Dak Bhawan, Ashoka Road, New Delhi
9	Accountant General of Central Revenue Building (AGCR) Near ITO
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14	CGO Complex Block No.03, CGO Complex Lodi Road
15	Khurshid Lal Bhawan (TRC), Near Chandra Lok Building C.P Janpath
16	Lok Nayak Bhawan, Khan Market, New Delhi

LIST OF CPSU

- (1) **ITI Limited**  
Flat No . 201-202, Rohit House,  
3 - Tolstoy Marg, New Delhi -110001  
**Kind Attn. – Mr. I A Khan, Asstt. Manager –Marketing**
- (2) **Broadcast Engineering Consultants India Limited**  
BECIL BHAWAN, C-56 / A-17, Sector -62,  
Noida – 201307 (U.P.)  
**Kind – Attn : - Mr. Vinod Kumar, Asstt General Manager**
- (3) **Telecommunications Consultants India Limited**  
TCIL Bhawan, Grater Kailash-1,  
New Delhi -110048  
rajesh.singh@tcil.net.in
- (4) **Electronics Corporation of India Limited,**  
B-2, DDA Local Shopping Complex,  
A Block, Ring Road,  
Naraina, New Delhi - 110028  
**Kind. Attn :- Mr. Rajeev Mathur, General Manager**
- (5) **Bharat Sanchar Nigam Limited**  
Bharat Sanchar Bhavan  
Harish Chandra Mathur Lane  
Janpath, New Delhi-110 001
- (6) **Bharat Electronics Limited**  
Sahibabad Industrial Area, Site-4,  
Bharat Nagar, Gaziabad-201102
- (7) **Central Electronics Limited**  
4, Industrial Area, Sahibabad,  
UP-201010.  
**(Kind attention: Shri Anurag Agarwal, AGM)**

Signature Not Verified

Digitally signed by KAMAL VERMA  
Date: 2024.01.23 13:13:47 IST  
Location: eProcure-EPROC

