



EXPRESSION OF INTEREST (EOI)

for

Selection of System Integrator for Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase-III CCTV system at Tirumala published by the Tirumala Tirupati Devasthanam's, Tirupati (TTD).

**EOI Ref No: BECIL/RO/TTD/EOI/2024-25/Call 2,
Date: 12.09.2024.**

Issued By

**Smt. Usha Mangalgi,
General Manager, BECIL-RO.**

	<p>Broadcast Engineering Consultants India Limited (A Government of India Enterprise)</p> <p><i>Head Office:</i> 14-B Ring Road, IP Estate, New Delhi-110002 Tel: 011 2337882 Fax: 01123379885.</p> <p><i>Corporate Office:</i> BECIL BHAWAN, C-56-A/17, Sector-62, Noida-201 307 Tel: 0120 4177850 Fax: 0120 4177879 Web: www.becil.com.</p> <p>Registered Office: #162, 2nd Main, 1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094. Telephone: 080-3415853, E-mail: usha@becil.com</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 and abroad the company has now diversified into the fields of Strategic Projects such as Information Communication and Skill Development.

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 Door darshan (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:

About Tirumala Tirupati Devasthanam's, Tirupati (TTD):

- TTD is a conglomeration of temples, brought under the First Schedule 2 of the Act 30 of 1987. The Board of Trustees is constituted by members appointed by the government.
- The Executive Officer is the chief executive of TTD. He is assisted by two Joint Executive Officers, Chief Vigilance and Security Officer, Conservator of Forests, Financial Advisor & Chief Accounts Officer, and Chief Engineer. Besides, there are officials to look after the different branches of administration.
- TTD maintains 12 temples and their sub-shrines, and employs about 14,000 persons.
- TTD has dedicated itself to serving pilgrims who visit Tirumala and Tirupati. It provides facilities to make their pilgrimage a unique and rewarding spiritual experience. It also works towards preserving the serenity and sanctity of the sacred Tirumala-Tirupati area.
- TTD is ever-conscious of the social, economic, religious and environmental needs of the people, especially the needy. It undertakes several activities and has initiated different schemes in these areas.

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: 18/ D3/CE /TTD /2024-25, NIT num : 97/SE-II /TTD/2024-25 Dated 26.08.2024.** having Last date of submission 18/09/2024, 01.00 PM. as floated by Tirumala Tirupati Devasthanam's, Tirupati (TTD).
- 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: 18/ D3/CE /TTD /2024-25, Dated 26.08.2024, 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.
- d. 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.
- e. All terms and conditions of the Client Tender Number: 18/ D3/CE /TTD /2024-25, Dated

26.08.2024, 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, Security Deposit, Payment Terms, SLA conditions, Liquidity Damages, and any other penalties etc.

- f. 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.
- g. 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.
- h. 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.
- i. 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: IMPORTANT DATES (SCHEDULE AND CRITICAL DATES):

SL. No.	ACTIVITY	SCHEDULED DATE & TIME
1.	EOI Number & Date	BECIL/RO/TTD/EOI/2024-25/Call 2, Date: 12.09.2024
2.	Date & Time of Issue of EOI	Date 12/09/2024 Time 15:00 Hrs
3.	Last date and Time for Submission of EOI	Date 16/09/2024 Time 14:30 Hrs
4.	Place of Submission of EOI / Opening of EOI	Regional Office No: #162, 2nd Main, 1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094. Telephone: 080-23415853.
5.	EOI Processing Fee (Non-refundable)	INR 5,000/- + GST (Online transfer to BECIL Account) Proof of submission is to be submitted to BECIL).
6.	Tender processing fee	No Tender fee shall be payable for submission of tender through e-procurement.
7.	EMD	EMD for ₹ 1,50,000/- Bidder needs to submit undertaking for back-to-back payment of EMD if selected for EOI under reference.
8.	Address for Communication of bids	Regional Office No: #162, 2nd Main, 1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094. Telephone -080-23415853,
9.	Contact details for this EOI	Mrs. Usha Mangalgi, General Manager, BECIL-RO. Telephone/ Mobile No. 080-23415853 Email: usha@becil.com
10.	BECIL-RO Account Number Details	Bank mandate form is enclosed in this EOI.

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. Bidders are advised to check the website for updates in this regard.

SECTION - III: EOI NOTICE & GENERAL TERMS AND CONDITION.

A. EOI NOTICE:

- 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 **Client Tender Number: 18/ D3/CE /TTD /2024-25, Dated 26.08.2024**, floated by Tirumala Tirupati Devasthanam's, Tirupati (TTD).
- The duly signed Hard Copy of the Bid/ Techno Commercial Proposal is to be submitted in a packed and sealed envelope, in Tender Box, Regional Office No: #162, 2nd Main, 1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094.
- The EOI must be addressed to the given name and address:

To,

Mrs. Usha Mangalgi,

General Manager,

Regional Office No: #162, 2nd Main, 1st Cross, AGS Layout,

RMV 2nd Stage, Bengaluru, Karnataka 560094.

- 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-11 and fully legible. Supporting documents if in a language other than English must be accompanied by 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.**
- The representative of the agency will require a specific authorization/ board resolution to submit the EOI. Copy of the same to be submitted along with the EOI documents.
- In case the bidder has any doubt about the meaning of anything contained in the EOI document, she/he shall seek clarification within 1 day of the issue of EOI. Except for any written clarification by **Mrs. Usha Mangalgi, General Manager, BECIL-RO**, 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.
- Bidders shall have to submit an amount of **Rs. 5,000/- + 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. The amount paid is non- refundable and in case of non-submission of amount, bid will be rejected without assigning any reason. 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.
- 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.**

- BECIL reserves 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.
- The bidder should submit the signed Integrity Pact on a plane paper along with the bid document.
- The Bidders will have no right to withdraw from the EOI process post submission of their bid without the formal consent of BECIL.

B. SUBMISSION OF EOI:

- **EOI, complete in all respects, must be submitted offline.**
- 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.
- 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.
- 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.
- 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.
- The EOI must contain:
 - Company/bidder profile relevant to EOI.
 - It should also include details of past experience relevant to the "Scope of Work".
 - Declaration regarding acceptance of Terms and conditions of EOI.
 - Declaration of not been blacklisted by any of the Government agencies.
 - 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.
- 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 proof is to be prepared and submitted. The supporting documents may be with the list of existing and past clients with details of services offered, details of similar projects executed.
- The EOI should be duly signed on each page by an authorized person. Each page should be properly numbered. Documents authorizing the signatory must accompany the EOI.

- 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).
- 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.
- 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.

SL. No.	Checklist Of Documents / Information to Be Submitted	Yes/No
1.	Profile of the company/bidder/firm.	
2.	Certificate of Incorporation (for Company/LLP).	
3.	Memorandum & Articles of Association/Partnership deed.	
4.	Audited financial statements for the last 3 years.	
5.	Income Tax Return Acknowledgment for last 3 years.	
6.	Bid Security Declaration to be submitted by the MSME.	
7.	GST Registration Certificate or valid exemption certificate.	
8.	Copy of PAN Card.	
9.	Authorization letter in the name of person signing the bid for this EOI as Power of Attorney (POA) (Annexure-K).	
10.	Undertaking in letter head to indemnify BECIL from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc.	
11.	Bidders Details as per format.	
12.	All the requisite documents in the prescribed formats placed at Annexures to this EoI.	
13.	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".	
14.	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.	
15.	Price Offer to BECIL as per Format of the EoI.	

C. OPENING OF EOI:

- The bids submitted against this EOI shall be opened on **Date 16/09/2024 at 14:30 Hrs.**
- Bidders who wish to attend opening of EOI may visit BECIL office at Bangalore for the same at the designated time, with authorization in proper format on bidder's letter head.

D. GENERAL TERMS & CONDITIONS OF EOI:

- The proposal is to be submitted in SINGLE BID SYSTEM.
- The 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 Ref No: BECIL/RO/TTD/EOI/2024-25/Call#2, Date: 12.09.2024**” Submitted by: [Firm/Company Name & Date].
- All bids are to remain valid for minimum of 90 days from the date of submission. BECIL reserves the right to seek the extension of bid validity.
- 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.
- 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.
- 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 the bidder.
- 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 subcontractors, without prior written consent of BECIL.
- 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 or SD as the case may be will be forfeited by BECIL.
- 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.

E. 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.
- 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.]”.

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

F. SIGNING OF NON-DISCLOSURE AGREEMENT:

Bidders interested to participate in 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.

G. INDEMNIFICATION:

The bidder/OEM/Implementation Agency agrees to indemnify BECIL from any and all claims, demands, losses, cause of action, damage, lawsuits, judgments, including attorneys' fees and costs, arising out of or relating to the execution of contract.

H. ARBITRATION:

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 for arbitration by a Sole Arbitrator appointed with mutual consent of both the parties within a period of thirty days. The venue of arbitration shall be Bangalore and the arbitration proceeding shall be governed by the Arbitration and Conciliation Act 1996, or any subsequent modification thereof. Each party shall adhere to its respective obligations during the subsistence of the dispute under this Agreement.

I. JURISDICTION:

This Agreement shall be construed, interpreted and applied in accordance with, and shall be governed by, the laws applicable in India. The courts at Delhi shall have the exclusive jurisdiction to entertain any matter arising out of or in relation to this Agreement.

J. CONFIDENTIALITY:

Both the Parties for self and on behalf of their employees, agree to keep all such matters confidential and not to disclose them to anyone, either during or after the expiration/termination of this agreement, except with the written consent of the other party, excepting any information as may be required either under law or any regulatory authority for the parties to perform their obligations under this contract and [or such other information that may come into the public domain.

Both the Parties further agree that upon expiration of this MoU, unless extended mutually for further period, both parties shall promptly deliver to each other all material belonging to the other party whatever and wherever it is lying either in their own possession or in the possession of any employee's contract containing such confidential information etc. Including submission of Accounts.

K. FORCE MAJEURE:

Either party shall be excused from performance of this Agreement during and to the extent that performance is prevented by the occurrence of unforeseen causes beyond the control of and without the negligence of the party claiming excuse and not brought about at the instance of the party claiming to be affected by such event or which, if foreseeable, could not be avoided or provided for and which has caused the non-performance or delay in performance. Such cause includes, without limitation, strike, go slow, other concerned acts of workmen, lockout (not indulged by its own employees), acts of God, war, fire, explosion, act (s) of terrorism, flood, epidemic, riot, sabotage, embargo, blockade, civil disturbance and governmental restrictions or limitations. The party claiming excuse shall give immediate written notice thereof to the other, in any case not later than 15 (fifteen) days following the occurrence of such event. If performance is held up for a continuous period of more than 2 (two) months from the date of first notice, then the two parties shall review the situation and agree upon a course of action so as to protect the interests of both.

L. INTEGRITY PACT:

The bidder should submit an undertaking that he will sign and integrity Pact with BECIL on award of work.

All Terms and conditions provided **for Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase-III CCTV system at Tirumala published by the Tirumala Tirupati Devasthanam's, Tirupati (TTD) -EOI Ref No: BECIL/RO/TTD/EOI/2024-25/Call 2, Date: 06.09.2024 and the client's TTD RFP referred in this EOI and its corrigendum/Addendums** will be fully applicable on back to back basis to bidder .

M.BANK GUARANTEE/ PERFORMANCE BANK GUARANTEE/Security Deposit:

In the event of the award of the contract, BG/PBG/Security Deposit will be submitted by BECIL to the customer and BG/PBG of equivalent amount will be submitted by the bidder to BECIL on back-to-back basis by the bidders.

N. GUARANTEE / WARRANTY PERIOD:

Guarantee/ Warranty period will be on Back-to-Back as per the Term and Condition of the Client's RFP. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period.

SECTION - IV: SCOPE OF WORK

A. SCOPE OF WORK/SCHEDULE OF REQUIREMENTS:

The Scope of the work is as detailed below:

Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase- III CC TV system at Tirumala.

For detailed scope of work of the project & the Bill of Material, the bidders may refer the Client's Tender document, and its amendments & corrigendum 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 Tender Number: 18/ D3/CE /TTD /2024-25, Dated 26.08.2024

Website: <http://www.apecurement.gov.in/>

SECTION - V: ELIGIBILITY CRITERIA AND EVALUATION.

A. ELIGIBILITY CRITERIA OF BIDDERS:

1.	<p>Company/Bidder's Profile:</p> <p>a. The Bidder shall be Company/bidder incorporated /registered in India under Companies Act 1956/2013/ Limited Liability Partnership (LLP).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>e. <u>Pre-Qualification Criteria:</u></p> <ul style="list-style-type: none">➤ Check list to accompany the tender (in RFP Annexure-I).➤ Attested copies of documents relating to<ul style="list-style-type: none">• the Registration of the firm,• Partnership deed,• Articles of Association,• Commercial Tax / Registration,• Furnishing of Latest Income Tax certificate is dispensed with. However, the contractors shall furnish their copy of permanent Account Number (PAN) card and copy of latest income tax returns submitted along with proof. <p>Note: The Partnership firms, which are registered as Contractors shall intimate the change in partnership deed, if any, as per GO Ms No.58, I & CAD, dt.23.4.2002 within one month of such change. Failure to notify the change to the registration authority in time will entail the firms to forfeit their registration and their tender will be rejected. The intimation of change of partners if any and the acceptance by the Registration authority may be enclosed.</p> <ul style="list-style-type: none">➤ value of Rs. turn over for similar works every year during the last five financial years (i.e. from 2019-2020 to 2023-2024) As per RFP Statement-I.➤ Details of similar works completed in the name of the tenderer as Prime Contractor during the last five financial years i.e., from 2019-2020 to 2023-2024 showing year wise break up of value of work executed as per RFP in Statement-II.➤ Year wise specified quantities executed by the tenderer during the last five financial years as per RFP in Statement-III.➤ Information regarding any litigation, with Government during the last five years, in which the Tenderer is involved as per RFP in Statement - IV).➤ Availability of working capital for the work [Liquid assets, credit facility and availability of other financial resources such as solvency etc];
----	--

- The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.
- Tenders from Joint ventures are not acceptable unless specifically stated otherwise.
- The firms are not black listed or debarred or suspended by the any Government/TTD for whatever the reason.

Note:

- a) Sub-contractor's experience, in his name will be taken in to account in determining the Tenderer's compliance to the Qualification criteria, if it is as per GO Ms No.8, dt. 8.1.2003.
 - b) The experience gained in a registered JV firm to the extent of the Tenderers share shall be considered if the tenderer happens to be the lead partner, for similar works criteria also.
- Even though the Tenderers meet the qualifying criteria, they are liable to be disqualified / debarred / suspended / blacklisted if they have
 - Furnished false / fabricated particulars in the forms, statements and / annexures submitted in proof of the qualification requirements and/or
 - Not turned up for entering into agreement, when called upon.
 - Record of poor progress such as abandoning the work, not properly completing the contract,
 - inordinate delays in completion, litigation history or financial failures etc. and/or
 - Participated in the previous bidding for the same work and had quoted unreasonably high tender percentage and
 - Even while execution of the work, if found that the work was awarded to the Contractor based on false / fake certificates of experience, the Contractor will be blacklisted and work will be taken over invoking clause 61 of PS to APSS.

Financial Eligibility:

The bidder must have minimum average annual turnover (of last three audited years) **Annual average turnover** from specific business areas (Experience Center) in INR equivalent during the last 3 financial years, i.e., 2020-2021 & 2021-2022, 2022-23 should be:

2.

- a. minimum **Rs. 01 Crores.**
- b. The bidder should have **positive net worth** in each of the last three audited Financial Years.

In both the case CA certificate along with Annual Report/ Audited Balance Sheet should be submitted.

MANDATORY DOCUMENTS for Technical Eligibility Criteria:

SI. No	Description	Remarks							
1	2	3							
1	Copy of valid registration of Manufacturers / Authorized dealers of CC TV systems/PSUs having experience in CCTV systems.	Mandatory							
2	Authorization letters from OEM (a) CISCO, (b) MILESTONE, (c) DELL, and (d) FORTIGATE	Mandatory							
3	Copy of permanent account number (PAN Card)	Mandatory							
4	The contractor must have an active/valid registration number with the GST authorities within the State of Andhra Pradesh if in case not already registered shall undertake by affidavit to cause registered before price bid finalization and letter of acceptance, for entering of contract agreement and for any such default not only forfeiture of EMD, but also be made liable for other civil and penal consequences.	Mandatory							
5	EMD of ₹1,50,000/- by BG (valid for 6 months) drawn on or after 10.09.2024 or Online payment in favour of, M/s. Broadcast Engineering Consultants India Limited (BECIL) , Regional Office: #162, II Main, 1st Cross, AGS Layout, RMV II Stage, Bengaluru-560094. On line payments to any other accounts and EMD paid through Demand draft / NEFT/RTGH will be summarily rejected.	Mandatory							
6	The turn over should be carried out duly furnishing the part of turnover for Similar works only and this should be certified by the Chartered Accountant in the last 5 years in Statement-I	Mandatory							
7	Details of similar works (CCTV systems) completed as Prime Contractor (in the same name) for ₹ 90.00 Lakhs in any one year during the last five financial Years in Statement - II with supporting certificates.	Mandatory							
8	Quantities of similar work executed as Prime Contractor (in the same name) during the last 5 financial years - in Statement – III with supporting certificates. <table border="1" data-bbox="209 1308 1062 1397"> <tr> <td>1</td> <td>Supply and installation of CISCO core switch</td> <td>1 Nos.</td> </tr> <tr> <td>2</td> <td>Firewall License make: FortiGate</td> <td>1 Nos.</td> </tr> </table>	1	Supply and installation of CISCO core switch	1 Nos.	2	Firewall License make: FortiGate	1 Nos.	Mandatory	
1	Supply and installation of CISCO core switch	1 Nos.							
2	Firewall License make: FortiGate	1 Nos.							
9	Proof of liquid assets / Credit facility for an amount of ₹ 75.00 Lakh (Credit facility / letter of credits / Solvency certificates from Banks etc. Not older than one year as on Bid submission date and should have the validity sufficiently beyond the date of tender.	Mandatory							
10	Declaration as per Annexure-II.	Mandatory							
11	Information on litigation history Statement –I.e.	Mandatory							
12	The signed copy of the Minutes of the Pre-bid meeting, scan and upload	Mandatory							
13	Copies of the details of the OEM listed as Leaders/Challengers in Gartner Magic Quadrant for Wired and Wireless LAN Infrastructure as per last 3 years reports (As per Item No.1 of BOQ Core switch, point No.86)	Mandatory							

B. PRELIMINARY EVALUATION:

- 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.

- BECIL has the right to 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.
- 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.
- In case two bids are received from the bidder, both the bids will be rejected.

C. EVALUATION PROCESS:

- 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.
- 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.
- 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.
- 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.
- Evaluation of proposals shall be based on:
 - Information contained in the proposal, the documents submitted thereto and clarifications provided, if any.
 - Experience and Assessment of the capability of the bidder/ OEM/ Implementation Agency based on past record.
- BECIL reserves the right to seek any clarifications on the already submitted bid documents;
- 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.
- Even though bidder/OEM/Implementation Agency satisfy the necessary requirements they are

subject to disqualification if they have:

- Made untrue or false representation in the form, statements required in the EOI document.
- Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

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

D. FINANCIAL EVALUATION OF THE BIDS:

The Bids will be financially evaluated as under:

Price and Margin Bid Format:

A: Submit Lump sum Prices for supply and service items as per Schedule of Requirements (SoR) and Scope of Work (SoW) in INR (without Taxes).

B: Quote margin to BECIL as a percentage of A. [**Minimum - 5%**].

C: Absolute value of Margin = **A*B**.

D: Overall Quoted price = **A-C**.

- 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 be selected. In case the stalemate/ tie persists, Competent Committee of BECIL shall adopt draw of lots, or any other suitable method to break the tie, 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-K**.

E. PAYMENT TERMS & CONDITIONS:

Total Project cost "Total equipment cost" + "Installation, Commissioning, Transportation & Insurance and Misc Cost" + "CAMC charges for a period of 4 years" + "Rental Charges towards leased line infrastructure" + "Rental charge towards portable cabin".

*** Note 1 :- Total equipment cost + Installation, Commissioning, Transportation & Insurance and Misc Cost cannot be more than 44% of Total Project cost***

*** Note 2 :- Total CAMC charges for 4 years after completion of 1 year warranty period cannot be less than 36% of actual value of total equipment/material cost. Total CAMC cost shall be divided in 16 quarters and its payment shall be guided by clause "Payment towards CAMC charges".***

F. Format for Self-Certification under Preference to MAKE IN INDIA Policy:

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s. _____(supplier name) are local supplier meeting the requirement of minimum percentage of Local content _____ (class I/Class II) as defined in above orders for the materials against Tender No. _____.

Details of locations at which local value addition will be made is as follows: _____.

We also understand, false declarations will be in breach of the Code in Integrity under Rule 175(1)(i) (h) of the General Financial Rule for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory.

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.
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).
- 8.2 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.
- 8.3 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.
- 8.4 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.
- 8.5 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.
- 8.6 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.
- 8.7 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 intensions.

FOR AND ON BEHALF OF CONTRACTOR

FOR AND ON BEHALF OF PRINCIPAL

Bank Mandate Form

Details For Payment of Tender Processing Fees:

Particulars of Bank:

Bank Name	UNION BANK OF INDIA	Branch Name	Bangalore Raj Mahal Vilas																
Branch Place	Bangalore	Branch City	Bangalore																
Pin Code	560094	Branch Code	0905828																
MICR No.	560026124	IFSC Code	UBIN0905828																
(Digital Code number appearing on the MICR Band of the cheque supplied by the Bank. Please attach Xerox copy of a cheque of your Bank for ensuring accuracy of the Bank Name, Branch Name and Code Number.																			
RTGS CODE	U	B	I	N	0	9	0	5	8	2	8								
Account Type	Savings			Current			Yes			Cash-Credit									
Account Number (as appearing in the Cheque Book.	5	1	0	3	3	1	0	0	1	2	7	2	0	5	2				

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.	Whether registered for sales tax purposes. If so, mention number and date. Furnish also copies of sales tax clearance certificate.	
10.	Whether an assessed of income tax. If so, mention permanent account number. Furnish copies of income tax clearance certificate.	
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. (Furnish details in a separate sheet and enclose copy of the employer's 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.	

Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

Annual Turnover & Net worth Certificate.*(To be printed on implementing agency's letterhead and signed by Authorized signatory.)*

To,

The General Manager,**Broadcast Engineering Consultants India Limited,**

Regional Office: #162, 2nd Main, 1st Cross, AG's Layout,

RMV 2nd Stage, Bengaluru, Karnataka 560094.

Full Name of Bidder (Supplier) entity:

Full Address of Bidder (Supplier) entity:

EOI Ref No: BECIL/RO/TTD/EOI/2024-25/Call 2, Date: 06.09.2024

S. No.	Financial Year	Valus in Rs.
1	2019-2020	
2	2020-21	
3	2021-22	
4	2022-23	
5	2023-2024	
Average		

Note: Certificate from Chartered Accountant supported with Annual Balance Sheet tallying with I.T. Clearance certificate. The turn over shall be from similar works and from Govt/semi Govt/Quasi Govt/PSUS/TTD only. This shall clearly & explicitly brought out in the certificate.

Note: The required certificate from CA with UDIN No. is enclosed along with this form.

Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

Performa Of Letter of Undertaking for Bid Validity.

To,

The General Manager,

Broadcast Engineering Consultants India Limited,

Regional Office: #162, 2nd Main, 1st Cross, AG's Layout,

RMV 2nd Stage, Bengaluru, Karnataka 560094.

EOI Ref No: BECIL/RO/TTD/EOI/2024-25/Call 2, Date: 06.09.2024

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.

Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

Bid Covering Letter

To,

The General Manager,

Broadcast Engineering Consultants India Limited,
Regional Office: #162, 2nd Main, 1st Cross, AG's Layout,
RMV 2nd Stage, Bengaluru, Karnataka 560094.

EOI Ref No: BECIL/RO/TTD/EOI/2024-25/Call 2, Date: 06.09.2024

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 <210> days as stipulated in the EOI document.

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

Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

Bidders Credentials Summary

SL. 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						

Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

Self-Declaration for Non-Black Listing

[ON BIDDER'S LETTER HEAD]

Bidder Ref. No.

Dated :

To,

The General Manager,

Broadcast Engineering Consultants India Limited,

Regional Office: #162, 2nd Main, 1st Cross, AG's Layout,

RMV 2nd Stage, Bengaluru, Karnataka 560094.

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,

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,
BECIL BHAVAN C-56, A/17, Sector-62, Noida-201301, 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 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 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.

Authorized Signatory on behalf of Agency

Address: _____

Mobile: _____

Email ID: _____

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.

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.

Pre-Bid Agreement

This Agreement is made at Bangalore on _____ 2024 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, Regional Office No: #162, 2nd Main, 1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094. Telephone -080-23415853, acting through **Smt. Usha Mangalgi, 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 on <http://www.apecurement.gov.in/> **Client Tender Number: 03/ D3/CE /TTD /2024-25, Dated 17.06.2024** for Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase-III CCTV system at Tirumala published by the Tirumala Tirupati Devasthanam's, Tirupati (TTD) published on <http://www.apecurement.gov.in/> (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 OEMs/Authorized Dealers/System Integrator of the related technology for the purpose of this RFP.
- C. AND WHEREAS **BECIL** has floated an EOI no. **BECIL/RO/TTD/EOI/2024-25/Call 2**, Date: 06.09.2024 (Hereinafter referred to "EOI") for selection of Backend partner for RFP.
- D. AND WHEREAS XX has been selected as backend partner 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 Tender Number: '03/ D3/CE /TTD /2024-25, Dated 17.06.2024 for Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase-III CCTV system at Tirumala published by the Tirumala Tirupati Devasthanam's, Tirupati (TTD).

B) XX has agreed to associate itself and render its services to BECIL in the capacity of System Integrator 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 BECIL that as on the date of this AGREEMENT:

- 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 memorandum and articles of association, by-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 AGREEMENT, indenture or any other

instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to second Party;

- (v) create or impose any liens, 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 such 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,SD 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.

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.

The detailed Agreement for System Integrator between the parties will contain:

- (a) Responsibility matrix of the PARTIES to execute the PROJECT, if awarded, jointly. This will cover 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 Equal 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/ corrigendum's 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/ corrigenda thereof.
 - (v) In case the bidding against Customer's RFP requires online ~~cash~~ 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 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

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

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 for arbitration by a Sole Arbitrator appointed with mutual consent of both the parties within a period of thirty days. The venue of arbitration shall be Bangalore and the arbitration proceeding shall be governed by the Arbitration and Conciliation Act 1996, or any subsequent modification thereof. Each party shall adhere to its respective obligations during the subsistence of the dispute 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 / Office No: #162, 2nd Main,
1st Cross, AG's Layout, RMV 2nd Stage, Bengaluru, Karnataka 560094.

Fax: +91 11 23379885/080-23415853

E-mail: usha@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.

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.

BOQ Price Bid Format

S.No	Qty. (Only Figures)	Description	work type (UPTO 200 characters)	Item Short Description (up to 100 Characters)	APSS/ Morth CI. Number (up to 200 characters)	Rate in ₹	Unit	Amount in ₹
1	2	CORE SWITCH	CORE SWITCH	CORE SWITCH	NA		Each	
	0	1.Switch should be non-blocking wire speed architecture for all ports from day one.	1.Switch should be non-blocking wire speed architecture for all ports from day one.	1.Switch should be non-blocking wire speed architecture for all ports from day one.	NA	0.00	NA	0.00
	0	2. Switch should have a modular operating system with resource separation, restart process separately, restart process independently and should have protected memory for stability.	2. Switch should have a modular operating system with resource separation, restart process separately, restart process independently and should have protected memory for stability.	2. Switch should have a modular operating system with resource separation, restart process separately, restart process independently and should have protected memory for stability.	NA	0.00	NA	0.00
	0	3.The switch should have 48 ports of 10GbE/ 25GbE (SFP + /SFP28). Cables/ Transceivers shall be populated as per the design and the switch should have 6 ports of 40GbE/100GbE (QSFP + /QSFP28). Cables/ Transceivers shall be populated as per the design	3.The switch should have 48 ports of 10GbE/ 25GbE (SFP + /SFP28). Cables/ Transceivers shall be populated as per the design and the switch should have 6 ports of 40GbE/100GbE (QSFP + /QSFP28). Cables/	3.The switch should have 48 ports of 10GbE/ 25GbE (SFP + /SFP28). Cables/ Transceivers shall be populated as per the design and the switch should have 6 ports of 40GbE/100GbE (QSFP + /QSFP28). Cables/	NA	0.00	NA	0.00
	0	4. Switch should be mountable on 19" standard rack.	4. Switch should be mountable on 19" standard rack.	4. Switch should be mountable on 19" standard rack.	NA	0.00	NA	0.00
	0	5. Switch should have IPv4 and IPv6 support.	5. Switch should have IPv4 and IPv6 support.	5. Switch should have IPv4 and IPv6 support.	NA	0.00	NA	0.00
	0	6. Switch should support virtualization feature by which two or more switches can be clustered together to act as one single virtual switching system.	6. Switch should support virtualization feature by which two or more switches can be clustered together to act as one single virtual switching system.	6. Switch should support virtualization feature by which two or more switches can be clustered together to act as one single virtual switching system.	NA	0.00	NA	0.00

0	7. In such case the software, configuration & policies across both switches shall be automatically synchronize	7. In such case the software, configuration & policies across both switches shall be automatically synchronize	7. In such case the software, configuration & policies across both switches shall be automatically s	NA	0.00	NA	0.00
0	8. Switch fabric, throughput: Minimum 960 Gbps full duplex or more	8. Switch fabric, throughput: Minimum 960 Gbps full duplex or more	8. Switch fabric, throughput: Minimum 960 Gbps full duplex or more	NA	0.00	NA	0.00
0	9. Higher speed and non-blocking architecture	9. Higher speed and non-blocking architecture	9. Higher speed and non-blocking architecture	NA	0.00	NA	0.00
0	10. Port level security to lock and limit option for stopping unauthorized station from accessing switch.	10. Port level security to lock and limit option for stopping unauthorized station from accessing switch.	10. Port level security to lock and limit option for stopping unauthorized station from accessing sw	NA	0.00	NA	0.00
0	11. RAM 16GB or higher and Flash 16GB or higher. Support two switches should be acting as one virtual switch (stackable)	11. RAM 16GB or higher and Flash 16GB or higher. Support two switches should be acting as one virtual switch (stackable)	11. RAM 16GB or higher and Flash 16GB or higher. Support two switches should be acting as one virtua	NA	0.00	NA	0.00
0	12. Switch should have at-least 4000 active VLANS using 802.1Q and 4000 VLAN ID.	12. Switch should have at-least 4000 active VLANS using 802.1Q and 4000 VLAN ID.	12. Switch should have at-least 4000 active VLANS using 802.1Q and 4000 VLAN ID.		0.00	NA	0.00
0	13. Switch should have IEEE compliance for 802.1d STP ,802.1w RSTP,802.1s M STP,	13. Switch should have IEEE compliance for 802.1d STP ,802.1w RSTP,802.1s M STP,	13. Switch should have IEEE compliance for 802.1d STP ,802.1w RSTP,802.1s M STP,	NA	0.00	NA	0.00
0	14. Switch should have support BPDU PROTECTION FOR Spanning tree protocols,	14. Switch should have support BPDU PROTECTION FOR Spanning tree protocols,	14. Switch should have support BPDU PROTECTION FOR Spanning tree protocols,	NA	0.00	NA	0.00
0	15. Switch should have support loop protection for Spanning tree protocols.	15. Switch should have support loop protection for Spanning tree protocols.	15. Switch should have support loop protection for Spanning tree protocols.	NA	0.00	NA	0.00
0	16. Switch should have support Root	16. Switch should have support	16. Switch should have	NA	0.00	NA	0.00

		protection for spanning tree protocols	Root protection for spanning tree protocols	support Root protection for spanning tree protocols				
0	17. Switch should have support VLAN spanning tree protocols.	17. Switch should have support VLAN spanning tree protocols.	17. Switch should have support VLAN spanning tree protocols.	17. Switch should have support VLAN spanning tree protocols.	NA	0.00	NA	0.00
0	18. Should have At least 96K or above MAC address table size	18. Should have At least 96K or above MAC address table size	18. Should have At least 96K or above MAC address table size	18. Should have At least 96K or above MAC address table size	NA	0.00	NA	0.00
0	19. Switch should support MAC-Based VANS	19. Switch should support MAC-Based VANS	19. Switch should support MAC-Based VANS	19. Switch should support MAC-Based VANS	NA	0.00	NA	0.00
0	20. Switch should support Multiple VLAN registration protocol (MVRP)	20. Switch should support Multiple VLAN registration protocol (MVRP)	20. Switch should support Multiple VLAN registration protocol (MVRP)	20. Switch should support Multiple VLAN registration protocol (MVRP)	NA	0.00	NA	0.00
0	21. The switch should support Private VLAN for traffic isolation for users on the same VLAN	21. The switch should support Private VLAN for traffic isolation for users on the same VLAN	21. The switch should support Private VLAN for traffic isolation for users on the same VLAN	21. The switch should support Private VLAN for traffic isolation for users on the same VLAN	NA	0.00	NA	0.00
0	22. Switch should support Q-IN Q and Selective Q-in-Q tunnelling.	22. Switch should support Q-IN Q and Selective Q-in-Q tunnelling.	22. Switch should support Q-IN Q and Selective Q-in-Q tunnelling.	22. Switch should support Q-IN Q and Selective Q-in-Q tunnelling.	NA	0.00	NA	0.00
0	23. Switch should support Redundant trunk groups.	23. Switch should support Redundant trunk groups.	23. Switch should support Redundant trunk groups.	23. Switch should support Redundant trunk groups.	NA	0.00	NA	0.00
0	24. Switch should support Routed VLAN interface.	24. Switch should support Routed VLAN interface.	24. Switch should support Routed VLAN interface.	24. Switch should support Routed VLAN interface.	NA	0.00	NA	0.00
0	25. Switch should support LLDP.	25. Switch should support LLDP.	25. Switch should support LLDP.	25. Switch should support LLDP.	NA	0.00	NA	0.00
0	26. Flow control IEEE 802.3X when full duplex, back pressure for half duplex & Head of line blocking prevention	26. Flow control IEEE 802.3X when full duplex, back pressure for half duplex & Head of line blocking prevention	26. Flow control IEEE 802.3X when full duplex, back pressure for half duplex & Head of line blocking prevention	26. Flow control IEEE 802.3X when full duplex, back pressure for half duplex & Head of line blocking prevention	NA	0.00	NA	0.00
0	27. Jumbo frame up to 9K bytes.	27. Jumbo frame up to 9K bytes.	27. Jumbo frame up to 9K bytes.	27. Jumbo frame up to 9K bytes.	NA	0.00	NA	0.00

0	28.Switch Should have following for both IPv4 & IPv6 version Routing protocols RIPv1, RIPv2, RIPng,OSPFv2, OSPFv3, VRRPv2, VRRPv3, PBRv4 and PBRv6 from day one. Should support PIM-DM,PIM-SIM, PIMv6, PIM-SSM, BGP4, BGPv4+, MSVP, MBGP, ISISv4 and ISISv6 with license upgrade.Switch should support Bidirectional Forwarding Detection (BFD)	28.Switch Should have following for both IPv4 & IPv6 version Routing protocols RIPv1, RIPv2, RIPng,OSPFv2, OSPFv3, VRRPv2, VRRPv3, PBRv4 and PBRv6 from day one. Should support PIM-DM,PIM-SIM, PIMv6, P	28.Switch Should have following for both IPv4 & IPv6 version Routing protocols RIPv1, RIPv2, RIPng,O	NA	0.00	NA	0.00
0	29. Switch should support IPv4 & IPv6 Filter-Based forwarding	29. Switch should support IPv4 & IPv6 Filter-Based forwarding	29. Switch should support IPv4 & IPv6 Filter-Based forwarding	NA	0.00	NA	0.00
0	30. Switch should support Jumbo frames on routed VLAN interfaces	30. Switch should support Jumbo frames on routed VLAN interfaces	30. Switch should support Jumbo frames on routed VLAN interfaces	NA	0.00	NA	0.00
0	31. Switch Should have support Static Routing, Virtual route forwarding lite (VRF lite)	31. Switch Should have support Static Routing, Virtual route forwarding lite (VRF lite)	31. Switch Should have support Static Routing, Virtual route forwarding lite (VRF lite)	NA	0.00	NA	0.00
0	32. Switch hardware should support for OpenFlow 1.0 or 1.3 or equivalent, ONF/Open day light SDN southbound API license from day one	32. Switch hardware should support for OpenFlow 1.0 or 1.3 or equivalent, ONF/Open day light SDN southbound API license from day one	32. Switch hardware should support for OpenFlow 1.0 or 1.3 or equivalent, ONF/Open day light SDN sou	NA	0.00	NA	0.00
0	33. Switch should have support for IGMP Version 1,2 & 3, IGMPv1/v2/v3, and Multicast Listener Discovery (MLDv1 and v2) snooping, MVR, PIM- DM, PIM-SM, PIMv6, AND PIM-SSM from day one.	33. Switch should have support for IGMP Version 1,2 & 3, IGMPv1/v2/v3, and Multicast Listener Discovery (MLDv1 and v2) snooping, MVR, PIM- DM, PIM-SM, PIMv6, AND PIM-SSM from day one.	33. Switch should have support for IGMP Version 1,2 & 3, IGMPv1/v2/v3, and Multicast Listener Discov	NA	0.00	NA	0.00
0	34 Switch should have Class based queuing with prioritization, Layer2 and Layer 3 classification, rewrite, and Queuing; strict priority queuing on egress.	34 Switch should have Class based queuing with prioritization, Layer2 and Layer 3 classification, rewrite, and Queuing; strict priority queuing on egress.	34 Switch should have Class based queuing with prioritization, Layer2 and Layer 3 classification, re	NA	0	NA	0

0	35. CoS support on route VLAN interface	35. CoS support on route VLAN interface	35. CoS support on route VLAN interface	NA	0	NA	0
0	36. Switch should have support port shaping and queue shaping.	36. Switch should have support port shaping and queue shaping.	36. Switch should have support port shaping and queue shaping.	NA		NA	
0	37. Switch should have support Shaped Deficit weighted Round- robin (SDWRR)	37. Switch should have support Shaped Deficit weighted Round- robin (SDWRR)	37. Switch should have support Shaped Deficit weighted Round- robin (SDWRR)	NA	0	NA	0
0	38. Switch should have support Single-rate two colour marking.	38. Switch should have support Single-rate two colour marking.	38. Switch should have support Single-rate two colour marking.	NA	0	NA	0
0	39. Switch Should support Layer2- 4 Access Control Lists	39. Switch Should support Layer2- 4 Access Control Lists	39. Switch Should support Layer2- 4 Access Control Lists	NA	0	NA	0
0	40. Switch Should support Dynamic ARP inspection (DAI) and MAC limiting ,MAC address limit per port, persistent MAC learning (sticky MAC)	40. Switch Should support Dynamic ARP inspection (DAI) and MAC limiting ,MAC address limit per port, persistent MAC learning (sticky MAC)	40. Switch Should support Dynamic ARP inspection (DAI) and MAC limiting ,MAC address limit per port,	NA	0	NA	0
0	41. Switch should support Static ARP support.	41. Switch should support Static ARP support.	41. Switch should support Static ARP support.	NA	0	NA	0
0	42. Should support integrated security features like DHCP relay, Control Plane DOS protection, Should Support MAC Authentication.	42. Should support integrated security features like DHCP relay, Control Plane DOS protection, Should Support MAC Authentication.	42. Should support integrated security features like DHCP relay, Control Plane DOS protection, Shoul	NA	0	NA	0
0	43. Should support 802.1X Network Security and Authentication, should have support for RADIUS and TACACS+	43. Should support 802.1X Network Security and Authentication, should have support for RADIUS and TACACS+	43. Should support 802.1X Network Security and Authentication, should have support for RADIUS and TA	NA	0	NA	0
0	44. The switch should support 2000 Security ACL's and various type of ACLs like port based/VLAN based of IPV4/IPV6.	44. The switch should support 2000 Security ACL's and various type of ACLs like port based/VLAN based of IPV4/IPV6.	44. The switch should support 2000 Security ACL's and various type of ACLs like port based/VLAN base	NA	0	NA	0

0	45 . The Switch should support Port-security	45 . The Switch should support Port-security	45 . The Switch should support Port-security	NA	0	NA	0
0	46. The Switch should support Automatic recovery for port error disable conditions	46. The Switch should support Automatic recovery for port error disable conditions	46. The Switch should support Automatic recovery for port error disable conditions	NA	0	NA	0
0	47. Support embedded DHCP Server, NTP server, PTP, Support Embedded Event Manager with support for event-based macro execution support.	47. Support embedded DHCP Server, NTP server, PTP, Support Embedded Event Manager with support for event-based macro execution support.	47. Support embedded DHCP Server, NTP server, PTP, Support Embedded Event Manager with support for e	NA	0	NA	0
0	48. Should Support secure management via SSL, SNMPv3, Radius, and TACACS+, SSH, SCP, SFTP and XMP API. Should have audit trail feature for per user configuration changes.	48. Should Support secure management via SSL, SNMPv3, Radius, and TACACS+, SSH, SCP, SFTP and XMP API. Should have audit trail feature for per user configuration changes.	48. Should Support secure management via SSL, SNMPv3, Radius, and TACACS+, SSH, SCP, SFTP and XMP AP	NA	0	NA	0
0	49. Should have compatible with SNMP v1, v2, v3 base devices.	49. Should have compatible with SNMP v1, v2, v3 base devices.	49. Should have compatible with SNMP v1, v2, v3 base devices.	NA	0	NA	0
0	50. Should have command line interface-based management console to provide out band dedicated Ethernet management interface. (separate than console)	50. Should have command line interface-based management console to provide out band dedicated Ethernet management interface. (separate than console)	50. Should have command line interface- based management console to provide out band dedicated Ethern	NA	0	NA	0
0	51.The switch should have RJ-45 serial or USB-C console port, RJ-45 Ethernet Management port and USB Interface External USB/compact flush for fast implementation/restoration of firmware & configurations preferably	51.The switch should have RJ-45 serial or USB-C console port, RJ-45 Ethernet Management port and USB Interface External USB/compact flush for fast implementation/restoration of firmware & configuratio	51.The switch should have RJ-45 serial or USB-C console port, RJ-45 Ethernet Management port and USB	NA	0	NA	0
0	52. Mirroring for 4 or more sessions. Local & Remote mirroring to multiple destination ports, 802.1ag CFM L2 ping and L2 trace route, Port management feature.	52. Mirroring for 4 or more sessions. Local & Remote mirroring to multiple destination ports, 802.1ag CFM L2 ping and L2 trace route, Port management feature.	52. Mirroring for 4 or more sessions. Local & Remote mirroring to multiple destination ports, 802.1a	NA	0	NA	0

0	53. Switch should have support RMON, and uplink failure detection, Slow or equivalent for traffic analysis.	53. Switch should have support RMON, and uplink failure detection, Slow or equivalent for traffic analysis.	53. Switch should have support RMON, and uplink failure detection, Slow or equivalent for traffic an	NA	0	NA	0
0	54.Switch should have support WEB interface, for switch configuration and management	54.Switch should have support WEB interface, for switch configuration and management	54.Switch should have support WEB interface, for switch configuration and management	NA		Each	
0	55. Switch should have support Link Aggregation Control Protocol (LACP)	55. Switch should have support Link Aggregation Control Protocol (LACP)	55. Switch should have support Link Aggregation Control Protocol (LACP)	NA	0	NA	0
0	56. Switch should have support Link Aggregation Group (LAGs).	56. Switch should have support Link Aggregation Group (LAGs).	56. Switch should have support Link Aggregation Group (LAGs).	NA	0	NA	0
0	57.Switch should have support Virtual Router Redundancy Protocol (VRRCP)	57.Switch should have support Virtual Router Redundancy Protocol (VRRCP)	57.Switch should have support Virtual Router Redundancy Protocol (VRRCP)	NA	0	NA	0
0	58. Switch should have support Virtual Router Redundancy Protocol (VRRCP) for IPv6, Equal-Cost Multipath (ECMP), Generic Routing Encapsulation (GRE) and Multiprotocol Label Switching (MPLS)	58. Switch should have support Virtual Router Redundancy Protocol (VRRCP) for IPv6, Equal-Cost Multipath (ECMP), Generic Routing Encapsulation (GRE) and Multiprotocol Label Switching (MPLS)	58. Switch should have support Virtual Router Redundancy Protocol (VRRCP) for IPv6, Equal-Cost Multi	NA	0	NA	0
0	59. GRES for ARP entries, forwarding database and Layer 3 protocols GRES for LACP	59. GRES for ARP entries, forwarding database and Layer 3 protocols GRES for LACP	59. GRES for ARP entries, forwarding database and Layer 3 protocols GRES for LACP	NA	0	NA	0
0	60. 802.1d,802.1w, PVST+, RPVST+,802.1s,	60. 802.1d,802.1w, PVST+, RPVST+,802.1s,	60. 802.1d,802.1w, PVST+, RPVST+,802.1s,	NA	0	NA	0
0	61. The switch should have dual, redundant, field-replaceable, hot-swappable power supplies	61. The switch should have dual, redundant, field-replaceable, hot-swappable power supplies	61. The switch should have dual, redundant, field-replaceable, hot-swappable power supplies	NA	0	NA	0

0	62. Internal hot swappable fan tray with redundant fans supported.	62. Internal hot swappable fan tray with redundant fans supported.	62. Internal hot swappable fan tray with redundant fans supported.	NA	0	NA	0
0	63. Should support software upgrades with minimal traffic disruption during the upgrade	63. Should support software upgrades with minimal traffic disruption during the upgrade	63. Should support software upgrades with minimal traffic disruption during the upgrade	NA	0	NA	0
0	64 .Should support graceful switchover during Supervisor failure	64 .Should support graceful switchover during Supervisor failure	64 .Should support graceful switchover during Supervisor failure	NA	0	NA	0
0	65. Nonstop forwarding/ nonstop routing /Nonstop software upgrade (NSSU)	65. Nonstop forwarding/ nonstop routing /Nonstop software upgrade (NSSU)	65. Nonstop forwarding/ nonstop routing /Nonstop software upgrade (NSSU)	NA	0	NA	0
0	66. OS should be modular based ie. Individual process restarts to prevent reboot in case of software process crash.	66. OS should be modular based ie. Individual process restarts to prevent reboot in case of software process crash.	66. OS should be modular based ie. Individual process restarts to prevent reboot in case of software process crash.	NA	0	NA	0
0	67. Gigabit Ethernet: 1000BASE-X (mini-GBIC/ SFC), 1000BASE-SX, 1000BASE-LX/LH based SFP support.	67. Gigabit Ethernet: 1000BASE-X (mini-GBIC/ SFC), 1000BASE-SX, 1000BASE-LX/LH based SFP support.	67. Gigabit Ethernet: 1000BASE-X (mini- GBIC/ SFC), 1000BASE-SX, 1000BASE-LX/LH based SFP support.	NA	0	NA	0
0	68.10G ETHERNET: 10Gbase-SR,10Gbase-LR	68.10G ETHERNET: 10Gbase-SR,10Gbase-LR	68.10G ETHERNET: 10Gbase-SR,10Gbase-LR	NA	0	NA	0
0	69. 40G ETHERNET: 40base-SR4,40Gbase-LR4, 40GBase Direct Attach	69. 40G ETHERNET: 40base-SR4,40Gbase-LR4, 40GBase Direct Attach	69. 40G ETHERNET: 40base-SR4,40Gbase-LR4, 40GBase Direct Attach	NA	0	NA	0
0	70. IEEE 802.1D Spanning-Tree Protocol	70. IEEE 802.1D Spanning-Tree Protocol	70. IEEE 802.1D Spanning-Tree Protocol	NA	0	NA	0
0	71. IEEE 802.3AD LACP	71. IEEE 802.3AD LACP	71. IEEE 802.3AD LACP	NA	0	NA	0
0	72. IEEE 802.3AB LLDP	72. IEEE 802.3AB LLDP	72. IEEE 802.3AB LLDP	NA	0	NA	0
0	73 IEEE 802.1S & 1W for Rapid Spanning tree and Multiple Spanning tree convergence	73 IEEE 802.1S & 1W for Rapid Spanning tree and Multiple Spanning tree convergence	73 IEEE 802.1S & 1W for Rapid Spanning tree and Multiple Spanning tree convergence	NA	0	NA	0

0	74. IEEE 802.1P CoS Prioritization	74. IEEE 802.1P CoS Prioritization	74. IEEE 802.1P CoS Prioritization	74. IEEE 802.1P CoS Prioritization	NA	0	NA	0
0	75 .IEEE 802.3x Flow Control	75 .IEEE 802.3x Flow Control	75 .IEEE 802.3x Flow Control	75 .IEEE 802.3x Flow Control	NA	0	NA	0
	76. Support have IPv6 feature: RFC 2461, IPv6 DAD, RFC 4193 ULCv6 RFC 4862,IPv6-IN-IPv4 tunnels,624 tunnels and IPv6 advertisement guard filtering etc.	76. Support have IPv6 feature: RFC 2461, IPv6 DAD, RFC 4193 ULCv6 RFC 4862,IPv6-IN-IPv4 tunnels,624 tunnels and IPv6 advertisement guard filtering etc.	76. Support have IPv6 feature: RFC 2461, IPv6 DAD, RFC 4193 ULCv6 RFC 4862,IPv6-IN-IPv4 tunnels,624	76. Support have IPv6 feature: RFC 2461, IPv6 DAD, RFC 4193 ULCv6 RFC 4862,IPv6-IN-IPv4 tunnels,624	NA		Each	
0	77. Operating Temp: 0° C to +45° C	77. Operating Temp: 0° C to +45° C	77. Operating Temp: 0° C to +45° C	77. Operating Temp: 0° C to +45° C	NA	0	NA	0
0	78. Operating Humidity: 10% to 90% non-condensing.	78. Operating Humidity: 10% to 90% non-condensing.	78. Operating Humidity: 10% to 90% non-condensing.	78. Operating Humidity: 10% to 90% non-condensing.	NA	0	NA	0
0	79 Should support variable speed fan to auto adjust to different temperature conditions	79 Should support variable speed fan to auto adjust to different temperature conditions	79 Should support variable speed fan to auto adjust to different temperature conditions	79 Should support variable speed fan to auto adjust to different temperature conditions	NA	0	NA	0
0	80. The switch should have hardware model and software and Operating System ISO/IEC 15408 CC EAL 2 or 3 certified as followed by SQTC, Department of Electronics and Information Technology (DEIT), 2 or 3 certified as followed by SQTC, Department of Electronics and Information Technology (DEIT), Ministry of Comm. & Info. Tech, Govt of India, the switch should have safety/emissions certifications including UL/CUL 69050, EN 55024, VCCI Class A, RoHS compliance	80. The switch should have hardware model and software and Operating System ISO/IEC 15408 CC EAL 2 or 3 certified as followed by SQTC, Department of Electronics and Information Technology (DEIT), 2 or	80. The switch should have hardware model and software and Operating System ISO/IEC 15408 CC EAL 2 or 3 certified as followed by SQTC, Department of Electronics and Information Technology (DEIT), 2 or	80. The switch should have hardware model and software and Operating System ISO/IEC 15408 CC EAL 2 o	NA	0	NA	0
0	81. All switches, Transceivers should be of same OEM make. The switch should be manageable from cloud NMS or On-premises NMS solution.	81. All switches, Transceivers should be of same OEM make. The switch should be manageable from cloud NMS or On-premises NMS solution.	81. All switches, Transceivers should be of same OEM make. The switch should be manageable from cloud NMS or On-premises NMS solution.	81. All switches, Transceivers should be of same OEM make. The switch should be manageable from cloud	NA	0	NA	0
0	82.The switch should support VXLAN to connect two or more	82.The switch should support VXLAN to connect two or more	82.The switch should support VXLAN to connect two or more	82.The switch should support VXLAN to connect two or	NA	0	NA	0

		VXLAN tunnel endpoints (VTEP), dynamic VXLAN with BGP-EVPN supporting Multicast and IPv6 over VXLAN/ EVPN Overlay	VXLAN tunnel endpoints (VTEP), dynamic VXLAN with BGP-EVPN supporting Multicast and IPv6 over VXLAN/ EVPN Overlay	more VXLAN tunnel endpoints (VTEP), dynamic VXL				
	0	83. Service: 5-year Support	83. Service: 5-year Support	83. Service: 5-year Support	NA	0	NA	0
	0	84. All points for above core switch configuration but with 32 Ports	84. All points for above core switch configuration but with 32 Ports	84. All points for above core switch configuration but with 32 Ports	NA	0	NA	0
	0	85.The switch should have 32 ports of 10GbE/25GbE (SFP+/ SFP28). Cables/ Transceivers shall be populated as per the design and the switch should have min 2 ports of 40GbE/100GbE (QSFP+/ QSFP28) Cables/ Transceivers shall be populated as per the design	85.The switch should have 32 ports of 10GbE/25GbE (SFP+/ SFP28). Cables/ Transceivers shall be populated as per the design and the switch should have min 2 ports of 40GbE/100GbE (QSFP+/ QSFP28) Cables	85.The switch should have 32 ports of 10GbE/25GbE (SFP+/ SFP28). Cables/ Transceivers shall be popul	NA	0	NA	0
	0	86. The OEM must be listed as Leaders/Challengers in Gartner Magic Quadrant for Wired and Wireless LAN Infrastructure as per last 3 years reports.	86. The OEM must be listed as Leaders/Challengers in Gartner Magic Quadrant for Wired and Wireless LAN Infrastructure as per last 3 years reports.	86. The OEM must be listed as Leaders/Challengers in Gartner Magic Quadrant for Wired and Wireless	NA	0	NA	0
	0	Make: CISCO	Make: CISCO	Make: CISCO	NA	0	NA	0
2	1100	VIDEO MANAGEMENT SOFTWARE (VMS) Licences from milestone company only	VIDEO MANAGEMENT SOFTWARE (VMS) Licences from milestone company only	VIDEO MANAGEMENT SOFTWARE (VMS) Licences from milestone company only	NA		Each	
	0	Parameter Specifications	Parameter Specifications	Parameter Specifications	NA	0	NA	0
	0	1. Software CCTV Video Management System Software for local monitoring and recording.	1. Software CCTV Video Management System Software for local monitoring and recording.	1. Software CCTV Video Management System Software for local monitoring and recording.	NA	0	NA	0
	0	2. License License for 2800 cameras.	2. License License for 2800 cameras.	2. License License for 2800 cameras.	NA	0	NA	0
	0	3. Support from OEM 10 Year	3. Support from OEM 10 Year	3. Support from OEM 10 Year	NA	0	NA	0
	0	4. Generic feature of VMS Software	4. Generic feature of VMS Software	4. Generic feature of VMS Software	NA		NA	0

	0	a) Video Management software should be highly scalable Enterprise level software & a complete video surveillance solution. It should be scalable to required numbers of cameras that can be added on a unit-by-unit basis.	a) Video Management software should be highly scalable Enterprise level software & a complete video surveillance solution. It should be scalable to required numbers of cameras that can be added on a u	a) Video Management software should be highly scalable Enterprise level software & a complete video	NA	0	NA	0
	0	b) Video Management software should be licensed & operate on open architecture & require no proprietary IT hardware.	b) Video Management software should be licensed & operate on open architecture & require no proprietary IT hardware.	b) Video Management software should be licensed & operate on open architecture & require no propriet	NA	0	NA	0
	0	c) The Video Management software should allow video to be streamed on workstation monitor.	c) The Video Management software should allow video to be streamed on workstation monitor.	c) The Video Management software should allow video to be streamed on workstation monitor.	NA	0	NA	0
	0	d) The User with administrative rights to create clients (users) & give access to the software client application based on predefined user access rights.	d) The User with administrative rights to create clients (users) & give access to the software client application based on predefined user access rights.	d) The User with administrative rights to create clients (users) & give access to the software clien	NA	0	NA	0
	0	e) System should allow CCTV recording, live monitoring, playback of archived video simultaneously.	e) System should allow CCTV recording, live monitoring, playback of archived video simultaneously.	e) System should allow CCTV recording, live monitoring, playback of archived video simultaneously.	NA	0	NA	0
		5. Video compression format supported by the software in real time H.264, H.265 & H.265+	5. Video compression format supported by the software in real time H.264, H.265 & H.265+	5. Video compression format supported by the software in real time H.264, H.265 & H.265+				
	0	6 Frame rate range supported by the software (in fps) 25 to 50 FPS or better	6 Frame rate range supported by the software (in fps) 25 to 50 FPS or better	6 Frame rate range supported by the software (in fps) 25 to 50 FPS or better	NA	0	NA	0
		7 Resolution Full HD 1920X1080 Number of monitors for displaying live video with one server /workstation 4 or higher	7 Resolution Full HD 1920X1080 Number of monitors for displaying live video with one server /workstation 4 or higher	7 Resolution Full HD 1920X1080 Number of monitors for displaying live video with one server /worksta	NA	0	NA	0

		8. Number of monitors for displaying live video with one server/workstation 4 or higher	8. Number of monitors for displaying live video with one server/workstation 4 or higher	8. Number of monitors for displaying live video with one server/workstation 4 or higher				
	0	9. Number of level of users 20 Clients or more	9. Number of level of users 20 Clients or more	9. Number of level of users 20 Clients or more	NA	0	NA	0
	0	10. Compliance of standard	10. Compliance of standard	10. Compliance of standard	NA	0	NA	0
	0	a) Global standards ONVIF Profile 'S' for the interface of network video product (ONVIF- Open Network Video Interface Forum).	a) Global standards ONVIF Profile 'S' for the interface of network video product (ONVIF- Open Network Video Interface Forum).	a) Global standards ONVIF Profile 'S' for the interface of network video product (ONVIF- Open Network Video Interface Forum).	NA	0	NA	0
	0	b) Offered product available on ONVIF website and confirmation certificate to be provided to buyer on demand.	b) Offered product available on ONVIF website and confirmation certificate to be provided to buyer on demand.	b) Offered product available on ONVIF website and confirmation certificate to be provided to buyer on demand.	NA	0	NA	0
	0	11. Camera related feature	11. Camera related feature	11. Camera related feature	NA	0	NA	0
	0	a) Should be compatible with all major IP CCTV camera brands & ONVIF platform.	a) Should be compatible with all major IP CCTV camera brands & ONVIF platform.	a) Should be compatible with all major IP CCTV camera brands & ONVIF platform.	NA	0	NA	0
	0	b) The software capable to provide automatic search & discovery of components of video surveillance system on the network which can be network Cameras.	b) The software capable to provide automatic search & discovery of components of video surveillance system on the network which can be network Cameras.	b) The software capable to provide automatic search & discovery of components of video surveillance system on the network which can be network Cameras.	NA	0	NA	0
	0	12. Camera related feature	12. Camera related feature	12. Camera related feature	NA	0	NA	0
	0	a) The software should be capable to provide drag & drop functions on the system & also for set up of connection between Cameras and monitors connected to one workstation.	a) The software should be capable to provide drag & drop functions on the system & also for set up of connection between Cameras and monitors connected to one workstation.	a) The software should be capable to provide drag & drop functions on the system & also for set up of connection between Cameras and monitors connected to one workstation.	NA	0	NA	0
	0	b) The Software should enable the client to dynamically create connections between Cameras and clients and view live or recorded	b) The Software should enable the client to dynamically create connections between Cameras and clients and view live	b) The Software should enable the client to dynamically create connections between	NA	0	NA	0

		video on monitors.	or recorded video on monitors.	Cameras and client				
	0	c) Software capable to provide the client seamless operation of all cameras & clients available in the system regardless	c) Software capable to provide the client seamless operation of all cameras & clients available in the system regardless	c) Software capable to provide the client seamless operation of all cameras & clients available in	NA	0	NA	0
	0	d) of the actual connection to different network video recording servers.	d) of the actual connection to different network video recording servers.	d) of the actual connection to different network video recording servers.	NA	0	NA	0
	0	e) Scalable licensing model supporting unlimited cameras per server based on the available hardware configuration	e) Scalable licensing model supporting unlimited cameras per server based on the available hardware configuration	e) Scalable licensing model supporting unlimited cameras per server based on the available hardware	NA	0	NA	0
	0	f) Camera License not tied to MAC address of cameras.	f) Camera License not tied to MAC address of cameras.	f) Camera License not tied to MAC address of cameras.	NA	0	NA	0
	0	g) Unrestricted camera replacement in case of camera failure.	g) Unrestricted camera replacement in case of camera failure.	g) Unrestricted camera replacement in case of camera failure.	NA	0	NA	0
	0	13. The VMS software should be capable to allow	13. The VMS software should be capable to allow	13. The VMS software should be capable to allow	NA	0	NA	0
	0	a) Live Display of Cameras	a) Live Display of Cameras	a) Live Display of Cameras	NA	0	NA	0
	0	b) Live Display of Camera sequences	b) Live Display of Camera sequences	b) Live Display of Camera sequences	NA	0	NA	0
	0	c) Control of PTZ Cameras (PTZ, Zoom & focus)	c) Control of PTZ Cameras (PTZ, Zoom & focus)	c) Control of PTZ Cameras (PTZ, Zoom & focus)	NA	0	NA	0
	0	d) Playback of archived video	d) Playback of archived video	d) Playback of archived video	NA	0	NA	0
	0	e) Retrieval of archived video	e) Retrieval of archived video	e) Retrieval of archived video	NA	0	NA	0
	0	f) Instant Replay of live Video	f) Instant Replay of live Video	f) Instant Replay of live Video	NA	0	NA	0
	0	g) Use of Site maps	g) Use of Site maps	g) Use of Site maps	NA	0	NA	0
	0	h) Configuration of System Settings	h) Configuration of System Settings	h) Configuration of System Settings	NA	0	NA	0
	0	i) Configuration and programming of P /T /Z Cameras,	i) Configuration and programming of P /T /Z Cameras,	i) Configuration and programming of P /T /Z Cameras,	NA	0	NA	0

0	j) Digital PTZ Control.	j) Digital PTZ Control.	j) Digital PTZ Control.	NA	0	NA	0
0	14. Software capable to record video on	14. Software capable to record video on	14. Software capable to record video on	NA	0	NA	0
0	a) Inbuilt hard disks on the server	a) Inbuilt hard disks on the server	a) Inbuilt hard disks on the server	NA	0	NA	0
0	b) Direct attached storage boxes attached to the servers	b) Direct attached storage boxes attached to the servers	b) Direct attached storage boxes attached to the servers	NA	0	NA	0
0	c) Network attached storage	c) Network attached storage	c) Network attached storage	NA	0	NA	0
0	d) Storage area network	d) Storage area network	d) Storage area network	NA	0	NA	0
0	15. Software capable to select recording based on Continuous and Scheduled recording	15. Software capable to select recording based on Continuous and Scheduled recording	15. Software capable to select recording based on Continuous and Scheduled recording	NA	0	NA	0
0	16.Option available in the offered product for reporting utility for tracking for video clips and image snapshots to be stored with reports for documenting events, Alarms, Incidents, Operator logs	16.Option available in the offered product for reporting utility for tracking for video clips and image snapshots to be stored with reports for documenting events, Alarms, Incidents, Operator logs	16.Option available in the offered product for reporting utility for tracking for video clips and im	NA	0	NA	0
0	17. Video management and recording feature	17. Video management and recording feature	17. Video management and recording feature	NA	0	NA	0
0	a)Software should have the facility to export the desired portion of clipping of video from a Desired date/ Time to another desired date/ time on DVD on any client/ Network storage device. Viewing of the recording possible on authorized player or in media player on computer utilizing a Window environment.	a)Software should have the facility to export the desired portion of clipping of video from a Desired date/ Time to another desired date/ time on DVD on any client/ Network storage device. Viewing of	a)Software should have the facility to export the desired portion of clipping of video from a Desire	NA	0	NA	0
0	b) The video management server not to limit the number of video recording servers can be networked together to form video management and recording system.	b) The video management server not to limit the number of video recording servers can be networked together to form video management and recording system.	b) The video management server not to limit the number of video recording servers can be networked t	NA	0	NA	0
0	18. Supporting feature	18. Supporting feature	18. Supporting feature	NA	0	NA	0

		Video management software should have the capability of creating camera sequences with following functionalities:	Video management software should have the capability of creating camera sequences with following	Video management software should have the capability of creating camera				
	0	a) Capability to sequence cameras	a) Capability to sequence cameras	a) Capability to sequence cameras	NA	0	NA	0
	0	b) Each camera in the sequence has its own individual dwell time	b) Each camera in the sequence has its own individual dwell time	b) Each camera in the sequence has its own individual dwell time	NA	0	NA	0
	0	c) Multiple users able to view the same camera sequence simultaneously, not necessarily synchronized one with the other	c) Multiple users able to view the same camera sequence simultaneously, not necessarily synchronized one with the other	c) Multiple users able to view the same camera sequence simultaneously, not necessarily synchronized	NA	0	NA	0
	0	19. Operating System Compatibility Latest version of Windows and Linux Server OS	19. Operating System Compatibility Latest version of Windows and Linux Server OS	19. Operating System Compatibility Latest version of Windows and Linux Server OS	NA	0	NA	0
	0	20. Architecture 1. Client & Server on Multiple Hardware,2. Client & Server on Same Hardware	20. Architecture 1. Client & Server on Multiple Hardware,2. Client & Server on Same Hardware	20. Architecture 1. Client & Server on Multiple Hardware,2. Client & Server on Same Hardware	NA	0	NA	0
	0	21. Status display Free disk space, Camera status, CPU usage	21. Status display Free disk space, Camera status, CPU usage	21. Status display Free disk space, Camera status, CPU usage	NA	0	NA	0
	0	22. Display clock (in real time) day, date, time, year	22. Display clock (in real time) day, date, time, year	22. Display clock (in real time) day, date, time, year	NA	0	NA	0
	0	23. Display mode (split screen matrix) 64, 36, 25, 16, 9, 4, 1 Selectable	23. Display mode (split screen matrix) 64, 36, 25, 16, 9, 4, 1 Selectable	23. Display mode (split screen matrix) 64, 36, 25, 16, 9, 4, 1 Selectable	NA	0	NA	0
	0	24. Recording type Scheduled, continuous, manual, motion, event	24. Recording type Scheduled, continuous, manual, motion, event	24. Recording type Scheduled, continuous, manual, motion, event	NA	0	NA	0
	0	25. Recording Recycle Auto, FIFO mode	25. Recording Recycle Auto, FIFO mode	25. Recording Recycle Auto, FIFO mode	NA	0	NA	0
	0	26. Network storage path ISCSI,	26. Network storage path ISCSI,	26. Network storage path	NA	0	NA	0

		network share, NAS	network share, NAS	iSCSI, network share, NAS				
0		27. Storage/ Backup features Multiple local storage support, Network Storage Device Support, CD Burning, DVD Burning, USB backup support, back up Tape device	27. Storage/ Backup features Multiple local storage support, Network Storage Device Support, CD Burning, DVD Burning, USB backup support, back up Tape device	27. Storage/ Backup features Multiple local storage support, Network Storage Device Support, CD Burn	NA	0	NA	0
0		28. Playback Search from Local and Network storage, a) Channels, b) Date and time, c) Bookmarking, d) Alarm	28. Playback Search from Local and Network storage, a) Channels, b) Date and time, c) Bookmarking, d) Alarm	28. Playback Search from Local and Network storage, a) Channels, b) Date and time, c) Bookmarking, d	NA	0	NA	0
0		29. Event Playback Search from video loss, motion detection and manual recording, a) Channels, b) Date and time	29. Event Playback Search from video loss, motion detection and manual recording, a) Channels, b) Date	29. Event Playback Search from video loss, motion detection and manual	NA	0	NA	0
0		30. Playback mode , Play, Stop, Pause, Forward, Backward, Next, Previous	30. Playback mode , Play, Stop, Pause, Forward, Backward, Next, Previous	30. Playback mode , Play, Stop, Pause, Forward, Backward, Next, Previous	NA	0	NA	0
0		31. Protocols HTTP, TCP, UDP, RTSP, Multicast and SRTP	31. Protocols HTTP, TCP, UDP, RTSP, Multicast and SRTP	31. Protocols HTTP, TCP, UDP, RTSP, Multicast and SRTP	NA	0	NA	0
0		32. Tools File export to AVI, ASF, MP4	32. Tools File export to AVI, ASF, MP4	32. Tools File export to AVI, ASF, MP4	NA	0	NA	0
0		33. Compatibility Compatible with 3rd party IP cameras, Widescreen Support and SDK Integration	33. Compatibility Compatible with 3rd party IP cameras, Widescreen Support and SDK Integration	33. Compatibility Compatible with 3rd party IP cameras, Widescreen Support and SDK Integration	NA	0	NA	0
0		34. The GUI software capable to support IP network connectivity including LAN and WAN2. Multicast video streaming and Unicast video streaming	34. The GUI software capable to support IP network connectivity including LAN and WAN2. Multicast video streaming and Unicast video streaming	34. The GUI software capable to support IP network connectivity including LAN and WAN2. Multicast vi	NA	0	NA	0
0		35. GUI Software Feature	35. GUI Software Feature	35. GUI Software Feature	NA	0	NA	0
0		a) Capable to provide an authentication mechanism, which verifies the validity of the user.	a) Capable to provide an authentication mechanism, which verifies the validity of the user.	a) Capable to provide an authentication mechanism, which verifies the validity of	NA	0	NA	0

				the user.				
0	b) Capable to provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard, Capable to display all Cameras attached to the system regardless of their physical location on the network & to allow the control of display from the client PC.	b) Capable to provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard, Capable to display all Cameras attached to the system regardless of their physical location on the network & to allow the control of display from the client PC.	b) Capable to provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard, Capable to display all Cameras attached to the system regardless of their physical location on the network & to allow the control of display from the client PC.	b) Capable to provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard, Capable to display all Cameras attached to the system regardless of their physical location on the network & to allow the control of display from the client PC.	NA	0	NA	0
0	36. GUI Software Operator Feature	36. GUI Software Operator Feature	36. GUI Software Operator Feature	36. GUI Software Operator Feature	NA	0	NA	0
0	a) Allow operators to view an instant replay of any Camera.	a) Allow operators to view an instant replay of any Camera.	a) Allow operators to view an instant replay of any Camera.	a) Allow operators to view an instant replay of any Camera.	NA	0	NA	0
0	b) The operator able to control the playback with play, pause, forward, and speed buttons,	b) The operator able to control the playback with play, pause, forward, and speed buttons,	b) The operator able to control the playback with play, pause, forward, and speed buttons,	b) The operator able to control the playback with play, pause, forward, and speed buttons,	NA	0	NA	0
0	c) Operator capable to drag and drop a Camera from a tree of available Cameras into any video tile for live viewing,	c) Operator capable to drag and drop a Camera from a tree of available Cameras into any video tile for live viewing,	c) Operator capable to drag and drop a Camera from a tree of available Cameras into any video tile for live viewing,	c) Operator capable to drag and drop a Camera from a tree of available Cameras into any video tile for live viewing,	NA	0	NA	0
0	d) The operator capable to control Pan, Tilt and Zoom of P/T/Z Camera using GUI and Joystick	d) The operator capable to control Pan, Tilt and Zoom of P/T/Z Camera using GUI and Joystick	d) The operator capable to control Pan, Tilt and Zoom of P/T/Z Camera using GUI and Joystick	d) The operator capable to control Pan, Tilt and Zoom of P/T/Z Camera using GUI and Joystick	NA	0	NA	0
0	37. Video Recording Feature	37. Video Recording Feature	37. Video Recording Feature	37. Video Recording Feature	NA	0	NA	0
0	a) Support recording H.264/H.265 or higher video streams for all the channels	a) Support recording H.264/H.265 or higher video streams for all the channels	a) Support recording H.264/H.265 or higher video streams for all the channels	a) Support recording H.264/H.265 or higher video streams for all the channels	NA	0	NA	0
0	b) Simultaneously compatible with windows Server OS or Linux for highest performance and reliability.	b) Simultaneously compatible with windows Server OS or Linux for highest performance and reliability.	b) Simultaneously compatible with windows Server OS or Linux for highest performance and reliability.	b) Simultaneously compatible with windows Server OS or Linux for highest performance and reliability.	NA	0	NA	0

0	c)Software operates on open architecture and not requires any proprietary hardware.	c)Software operates on open architecture and not requires any proprietary hardware.	c)Software operates on open architecture and not requires any proprietary	NA	0	NA	0
0	d)Software provides network time server function to ensure the synchronization of the video servers and the recordings.	d)Software provides network time server function to ensure the synchronization of the video servers and the recordings.	d)Software provides network time server function to ensure the synchronization of the video servers	NA	0	NA	0
0	e)Software shall provide a status of the available recording capacity.	e)Software shall provide a status of the available recording capacity.	e)Software shall provide a status of the available recording capacity.	NA	0	NA	0
0	f) Software shall define limits and alerts for low disk space warning and recording stopped warning	f) Software shall define limits and alerts for low disk space warning and recording stopped warning	f) Software shall define limits and alerts for low disk space warning and recording stopped warning	NA	0	NA	0
0	38. Features of Fault Tolerance Recording	38. Features of Fault Tolerance Recording	38. Features of Fault Tolerance	NA	0	NA	0
0	a)Software & Server operation will be able to resume after power and network interruption.	a)Software & Server operation will be able to resume after power and network interruption.	a)Software & Server operation will be able to resume after power and network interruption.	NA	0	NA	0
0	39. Feature of Search & Export	39. Feature of Search & Export	39. Feature of Search & Export	NA	0	NA	0
0	a) Search option for recordings as per Camera, date and time with playback for more than one Camera simultaneously.	a) Search option for recordings as per Camera, date and time with playback for more than one Camera simultaneously.	a) Search option for recordings as per Camera, date and time with playback for more than one Camera	NA	0	NA	0
0	b) Software be able to export sections of recordings to a separate Windows folder, which then be written to CD-ROM, DVD-ROM or USB Flash Drives. Export format will be in Windows media player or any other compatible format.	b) Software be able to export sections of recordings to a separate Windows folder, which then be written to CD- ROM, DVD-ROM or USB Flash Drives. Export format will be in Windows media player or any ot	b) Software be able to export sections of recordings to a separate Windows folder, which then be wri	NA	0	NA	0
0	40. Cyber security Parameters HTTPS encryption, SSL/TLS and Complex passwords	40. Cyber security Parameters HTTPS encryption, SSL/TLS and Complex passwords	40. Cyber security Parameters HTTPS encryption, SSL/TLS and Complex passwords	NA	0	NA	0

	0	41. Training VMS Training should be provided at Site	41. Training VMS Training should be provided at Site	41. Training VMS Training should be provided at Site	NA	0	NA	0
	0	Make: MILESTONE	Make: MILESTONE	Make: MILESTONE	NA	0	NA	0
3	10	WORKSTATION FOR CCTV MONITORING	WORKSTATION FOR CCTV MONITORING	WORKSTATION FOR CCTV			Each	
	0	Parameters Technical Specifications	Parameters Technical Specifications	Parameters Technical Specifications	NA	0	NA	0
	0	a) Processor Intel Core i7 13 th Gen, 14 Core, base 2.5GHz or better.	a) Processor Intel Core i7 13 th Gen, 14 Core, base 2.5GHz or better.	a) Processor Intel Core i7 13 th Gen, 14 Core, base 2.5GHz or better.	NA	0	NA	0
	0	b) RAM 32 GB DDR4	b) RAM 32 GB DDR4	b) RAM 32 GB DDR4	NA	0	NA	0
	0	c) HDD 512 GB SSD	c) HDD 512 GB SSD	c) HDD 512 GB SSD	NA	0	NA	0
	0	d) Chipset Intel W680	d) Chipset Intel W680	d) Chipset Intel W680	NA	0	NA	0
	0	e) Graphic Card 1x Nvidia 8GB Graphics	e) Graphic Card 1x Nvidia 8GB Graphics	e) Graphic Card 1x Nvidia 8GB Graphics	NA	0	NA	0
	0	f) Network 1G Ethernet	f) Network 1G Ethernet	f) Network 1G Ethernet	NA	0	NA	0
	0	g) Expansion Slots 1 half height PCIe x16 Gen4; 1 half height PCIe x4 Gen 3	g) Expansion Slots 1 half height PCIe x16 Gen4; 1 half height PCIe x4 Gen 3	g) Expansion Slots 1 half height PCIe x16 Gen4; 1 half height PCIe x4 Gen 3	NA	0	NA	0
	0	h) I/O Ports	h) I/O Ports	h) I/O Ports	NA	0	NA	0
	0	1 – USB 3.2 Gen 2 Type C	1 – USB 3.2 Gen 2 Type C	1 – USB 3.2 Gen 2 Type C	NA	0	NA	0
	0	4 – USB 3.2 Gen 1/2	4 – USB 3.2 Gen 1/2	4 – USB 3.2 Gen 1/2	NA	0	NA	0
	0	1 – Universal Audio Port	1 – Universal Audio Port	1 – Universal Audio Port	NA	0	NA	0
	0	1 – Audio Line OUT / IN	1 – Audio Line OUT / IN	1 – Audio Line OUT / IN	NA	0	NA	0
	0	i) PSU 92% efficient (80 Plus Platinum) PSU.	i) PSU 92% efficient (80 Plus Platinum) PSU.	i) PSU 92% efficient (80 Plus Platinum) PSU.	NA	0	NA	0
	0	j) OS Windows 11 Pro	j) OS Windows 11 Pro	j) OS Windows 11 Pro	NA	0	NA	0
	0	k) Monitor Dual monitors should be	k) Monitor Dual monitors should	k) Monitor Dual monitors	NA	0	NA	0

		supported.	be supported.	should be supported.				
	0	l) Keyboard & Mouse Wired Keyboard & Mouse.	l) Keyboard & Mouse Wired Keyboard & Mouse.	l) Keyboard & Mouse Wired Keyboard & Mouse.	NA	0	NA	0
	0	m) Form Factor Small Form Factor / Tower.	m) Form Factor Small Form Factor / Tower.	m) Form Factor Small Form Factor / Tower.	NA	0	NA	0
	0	n) Security Features Trusted Platform Module (TPM 2.0), Chassis Intrusion switch, Setup/BIOS Password.	n) Security Features Trusted Platform Module (TPM 2.0), Chassis Intrusion switch, Setup/BIOS Password.	n) Security Features Trusted Platform Module (TPM 2.0), Chassis Intrusion switch, Setup/BIOS Password.	NA	0	NA	0
	0	o) Certification BIS, Energy Star.	o) Certification BIS, Energy Star.	o) Certification BIS, Energy Star.	NA	0	NA	0
	0	p) Warranty	p) Warranty	p) Warranty	NA	0	NA	0
	0	5 years On-site comprehensive warranty with 24x7 remote hardware support. The warranty should reflect in the support web	5 years On-site comprehensive warranty with 24x7 remote hardware support. The warranty should reflect in the support web	5 years On-site comprehensive warranty with 24x7 remote hardware support. The warranty should reflect in the support web	NA	0	NA	0
	0	Make: DELL	Make: DELL	Make: DELL	NA	0	NA	0
4	2	Firewall Licence with Hardware so to have cyber security for minimum 100 users at a time	Firewall Licence with Hardware so to have cyber security for minimum 100 users at a time	Firewall Licence with Hardware so to have cyber security for minimum 100 users at a time			Each	
	0	Make: FORTIGATE	Make: FORTIGATE	Make: FORTIGATE	NA	0	NA	0
5	1	Server shifting charges (21 Nos) + storage shifting + cabling works.	Server shifting charges (21 Nos) + storage shifting + cabling works.	Server shifting charges (21 Nos) + storage shifting + cabling works.			job	
	0	Note :	Note :	Note :	NA	0	NA	0
	0	(1) The rates quoted shall be inclusive of all other taxes and exclusive of GST.	(1) The rates quoted shall be inclusive of all other taxes and exclusive of GST.	(1) The rates quoted shall be inclusive of all other taxes and exclusive of GST.	NA	0	NA	0
	0	(2) The GST will be reimbursed/paid as per actuals on production of proof	(2) The GST will be reimbursed/paid as per actuals on	(2) The GST will be reimbursed/paid as per	NA	0	NA	0

		subject to the applicable GST conditions in the tender document	production of proof subject to the applicable GST conditions in the tender document	actuals on production of proof subject to the applicable				
	0	(3) Statutory deductions will be made as per norms, if applicable any modalities imposed on GST by the Government from time to time, the same will be implemented subject to the applicable GST conditions in the tender document	(3) Statutory deductions will be made as per norms, if applicable any modalities imposed on GST by the Government from time to time, the same will be implemented subject to the applicable GST condit	(3) Statutory deductions will be made as per norms, if applicable any modalities imposed on GST by t	NA	0	NA	0
		Total	Total	Total(A)				

ANNEXURE-L

Price Offered for BECIL

SL	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 Value of Project (IN Figure %)	A*B	A-C	Total D in figure
				A	B	C	D	D
1	Selection of System Integrator for Procurement of Video Management Software (VMS), Core switches etc., for integrating Phase-I, Phase-II and Phase-III CCTV system at Tirumala published by the Tirumala Tirupati Devasthanam's, Tirupati (TTD).	1	Lot					

-END OF EOI-