

Annexure-1 to Corrigendum 2

Sr. No.	Equipment	Bidders Query	Reply
1	Specific Makes and Models	<p>The BOQ specifies specific makes and models (e.g - Kentek Syncro AS (Hochiki), Photoelectric Beam Detector - OTI-AX-200TF, Optex America Detectors – (Apollo), Discover Model Numbers 58000-600, SA5900 908, Roshni Red 32 Tone).</p> <p>Considering this is a government opportunity, such specifications appear to conflict with GFR guidelines, which recommend listing at least three equivalent makes, allowing fair competition in the market. The RFP seems highly favouring of specific OEMs and/or vendors.– Please Clarify.</p>	<p>The tender is for IT services that were already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>It is important to note that this is not a new requirement but rather a restructured effort to streamline execution. The intent is to seek a competent system integrator to ensure timely and efficient delivery of the consolidated services.</p>
2	Specific Makes and Models	<p>In view of the recently published RFP from your esteemed organisation, we have studied the nature and scope of the RFP from the perspective of technology; standards; localization; MII contribution; customisation; etc and other scope pertaining to the RFP's Technical Specifications and BOQ. We hereby list below our observations for your kind perusal and request your kind intervention to address the listed queries in line with CVC, DAP/DPP GOI Guidelines for the fair selection and rendering equal opportunity to all participating eligible OEMs</p> <p>B. RFP BOQ MAKES - BOQ. (controller - kentek syncro AS (Hochiki), Photo electric beam detector OTI-AX-200TF Optex America, Detectors - Apollo Discover model number 58000-600, SA5900- 908, Roshni red 32 tone. Considering this is a Public Procurement pertaining to National Importance & Security, the arbitrary selection of makes and their respective model nos as published in the RFP go against the true spirit and nature & scope of providing free & fair opportunity to all eligible vendors & OEMs as stipulated under the CVC; GOI Guidelines and DAP / DPP Policy Guidelines.</p> <p>The biased and abrupt selection of makes & their respective model nos as published in the RFP BOQ paralyses the overall process of selection of makes to be fair; uniform and based on qualitative & quantitative parameters of OEM Selection Criteria.</p> <p>Unfortunately, no such OEM Selection criteria has been included in the RFP what would have provided platform for OEM Selection and, equal and fair opportunity to all approved / participating OEMs. Also, specific selection of makes & their respective model nos fail to be aligned in line with CFEES Guidelines being the Public Procurement for Defence Establishment. Their published RFP FAS & FSS are not in line with the guidelines of CFEES (Centre for Fire, Explosive and Environment Safety), DRDO which is a mandatory/ principal Defence GOVT Body tasked for reviewing, & approving fire detection. Suppression; ventilations, etc requirements' execution in any defense establishments apart from publishing its own SAFETY GUIDELIENS in the domain of FIRE SAFETY, the biggest liability. There're no detailed technical specifications of items under FAS except the specific Make of OEM and its specific Model No. Pls suggest why such arbitrary selection of makes have been done and against what Technical Guidelines or approvals from NFPA 72 or NBC or CFEES DRDO or in line with CVC Guidelines; GOI and DAP /DPP.</p>	<p>The supply and services specified in this tender are neither new requirements nor standalone systems. These requirements are integral to the existing contract with the Ministry of Defence (MoD) initiated in 2020 and are in accordance with the RFP dated 2015.</p> <p>The IT-related works are already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>This scope of work forms a part of the turnkey solution to be delivered to the end customer. Consequently, the make and model mentioned in the contract have been derived as per the contractual obligations and have now become mandatory requirements under this tender.</p> <p>Therefore, the make, model, supply, and services must adhere strictly to the specifications outlined in the tender.</p>
3	Specific Makes and Models	<p>The published RFP for CCTV System & ACS are not in line with the guidelines of MEITY; GOI Secured Development – CMMI LEVEL 5, ISO 27001, IEC/ANSI/ISA-62443-4-1-2018 and GOI data privacy Gazette Notification; GDPR No STQC Guidelines &/or necessary or sufficient conditions included as approved or provided by MEITY or any equivalent. Global ONVIF Guidelines – PROFILES G,M,S & T what also adopted by MEITY under its STQC Standardization have not been included. NO MAKE IN INDIA Scope has been incorporated as per latest guidelines NO GFR Land Border sharing restrictions clause have been incorporated. NO SCOPE of Localisation & customisation have been incorporated. MEITY; GOI recommended STQC against Essential Requirements dated through Letter / Notification No W-43/11/2021-IPHW dated 09 April' 2024.</p> <p>In view of the above, we request you to consider below additional submission from respective OEMs / Bidder to suffice the above listed requirements' verification in line with MEITY (Ministry of Electronics and Information Technology) Guidelines & Recommendations</p> <ol style="list-style-type: none"> OEM Application/ Software / Firmware Development QA & QC Practices; Certifications & Cyber Security; Secure Product Development – such as OWASP, CSA, IEC62443 and regulatory requirements, including, security design review, secure coding practices, risk based testing, and remediation requirements. Details of Embedded Firmware & Application Software Security; Coding & Encryption Digitally Signed Firmware; Secure Boot; Secure Firmware Install (SFI) & upgrades. MEITY Prescribed &/or suggested Cyber Security Guidelines' Compliance – Secure Application & Embedded Firmware Development; Cyber Security Practices & Standards' compliance specific to products & systems; Cyber Security Polices in Operations. OEM Product specific Cyber Security Certificate – GLOBAL – NIST -FIPS or FICAM or FISMA; UL- CAP or UL – 2900; NCSC-UK – Secure by Default; ISO/IEC 27032; Indian Cyber Security Certificate - STQC-ERTL. Online & Offline Verification for authenticity of submitted Certificates including:- Cyber Security Certificates, ISO Certificates, ONVIF Certificates, QA & QC Certificates OEM Documents:- OEM Country of Origin -?, OEM Country of Manufacturing -?, System on Chip (SOC) & CODING details used in Active Components – Name; Parent SOC – System on Chip OEM details; Country of Origin; Country of Sourcing. <p>Authenticated MAC-IDs – OUI -?, Confirmation & proof of OEM Original & Authenticated – Secured & Digitally Signed CCTV Camera Firmware, MEITY Recommended OEM Original QA / QC Certificate pertaining to software/embedded firmware development – CMMI Level 3 or 5, Penetration Testing or Fuzz Testing or Vulnerability Scanning Testing – Test Report.</p>	

4	Specific Makes and Models	<p>OEM & BIDDER respective Pre-qualification criteria requiring both the parties to full fill the aspects of experience; MII Criteria; Installation Support capabilities; necessary Certifications etc as deemed fit must be incorporated allowing to only eligible OEMs & their bids be evaluated on fair criteria.</p> <p>Also, the scope of POC (proof of Concept) / DEMO has been entirely removed from the scope which seems absurd and not a standard process of evaluating keenly contested RFP in view of National Interests and security concerns.</p> <p>This has allowed to set in the precedence of accepting OEM Undertaking having no scope of practical examining the overall proposed components, system, and their combined performance in line with RFP requirements.</p> <p>No such detailed POC/DEMO scope has been included which only allowed inferior OEMs to qualify by largely affecting the overall nature & scope of the proposed IP based CCTV System along with other critical sub systems in terms of efficiency and effectiveness.</p> <p>We also, strongly request and recommend, the Hon DEPARTMENT to get an additional NOC submission be made mandatory from respective BIDDERS/OEMs for POC cum DEMO evaluation in line with Technical & Functional requirements comprising of Product Parameters (SOC; Security; ONVIF; 3rd party Tool checking for MAC -ID & Firmware Authenticity; etc.) & System Performance(recording; streaming; security; parameters of quality; etc.) as part of the Evaluation matrix. We would like to highlight below parameters what should be tested online during LIVE DMO &/or POC to determine each of the component's performance; quality & other credentials in line with published RFP's Functional; Technical & PQ requirements.</p> <p>This shall allow to review; qualify; & select best of the IP CCTV System & IP camera OEMs apart from hard copies/documentation – Undertaking/Certificates/Manuals evaluation</p>	<p>The tender is for IT services that were already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>It is important to note that this is not a new requirement but rather a restructured effort to streamline execution. The intent is to seek a competent system integrator to ensure timely and efficient delivery of the consolidated services.</p> <p>The supply and services specified in this tender are neither new requirements nor standalone systems. These requirements are integral to the existing contract with the Ministry of Defence (MoD) initiated in 2020 and are in accordance with the RFP dated 2015.</p> <p>The IT-related works are already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>This scope of work forms a part of the turnkey solution to be delivered to the end customer. Consequently, the make and model mentioned in the contract have been derived as per the contractual obligations and have now become mandatory requirements under this tender.</p> <p>Therefore, the make, model, supply, and services must adhere strictly to the specifications outlined in the tender.</p>
5	Specific Makes and Models	<p>POC Parameters Online Checking & Verification – In line with published Prequalification Criteria & Technical Specifications: Resolution • All resolution of IP cameras must be tested on true Video appropriate 16:9 resolution aspect ratio & not on mobile 4:3 resolution aspect ratio. Camera specific audio synchronization; alarm interface & recording Camera specific audio detection; audio controls IP Audio Microphone Interface checking & efficacy for performance Camera on-board IR Distance - Checking real-time - for DRI - detection/verification & recognition distance Camera on-board alarms/events - online checking, efficacy & performance-</p> <p>System-On-Chip (SOC) – IP Camera SOC must be declared. The hardware shall be opened in front of the committee to verify the SOC & PCBs; etc. physically.</p> <p>Hardware Configuration Details – ALL embedded NVR &/or where the System details have not been asked, it shall be required for Bidders/OEMs to furnish data pertaining to – Hardware System – CPU/SOC; RAM; Firmware; PCBs; RAID Controller; etc what shall be decided by Committee to review & evaluate at par with Server/IT Hardware Global standards. Default Passwords • Force the installer to change the password on boot up. • In addition, include a strength indicator or 'weak password not accepted' facility.</p>	
6	Specific Makes and Models	<p>Passwords Policy & Efficacy • The device must not have hidden user accounts. • The device must not have hardcoded account passwords. • Vendors must not be able to assist users recovering lost/forgotten device passwords. Protocols and Ports • All ports and communication protocols must be disabled by default unless vital to the functioning of the component. • Commonly accepted vulnerable or obsolete communication protocols must not be present on the device. • Where a newer version of a communication protocol has been developed and released, this must be incorporated and provided. Encryption • HTTPS must be used for communication with any web interfaces. It must not be possible to connect to an out-of-the-box device without HTTPS (using self-signed certificates). • Where encryption is used for protecting network communications across untrusted networks, facilitating remote access etc. then up to date Transport Layer Security (TLS1.2) must be used. • Where encryption is to be used for securing data at rest (SSL) then it must utilize the current industry accepted standards. Use of digital certificates &/or PKI certificates- CA Certificates (OEM &/or 3rd Party) must be used. •AES256 bit encryption of data security must be achieved. Open Network Video Interface Forum Protocol (ONVIF Protocol) & Checking • ONVIF protocol must be disabled at boot up. • Video stream(s) must be disabled until a new user/password is set up. ONVIF Device Manager must be checked in accordance.</p>	
7	Specific Makes and Models	<p>Checking of IP protocols • IPV4; IPV6; DHCP, DNS; HTTPS; AES/TLS etc. in line with published technical specifications. Online Checking of restrictive protocols: IP camera settings - GB/T28181 (GB/T28181-2011; GB/T281812016) standard Use of IEEE 802.1x • Devices must be IEEE 802.1x capable. The same shall be tested live. 3rd Party Tool for deep scanning & verification – MACID &/or Firmware Tools and support Secure Boot & Encryption Checking – AES/TLS1.2/SSL / OEM Signed Certificates Physical checking of Cameras /NVRs /Server / NAS</p> <p>a. SOC – System on chip: The demo camera post POC must be opened to physically checking the system on chip, its name and record the incident to determine whether the same is from restricted country or OEM.</p> <p>b. On-board PCBs - The demo camera post POC must be opened to physically checking the system on PCB, its name and record the incident to determine whether the same is from restricted country or OEM.</p>	

8	Specific Makes and Models	Therefore, it is our humble request to the department to not just only consider the mere Undertaking or Declaration but also include the requested OEM PQ Evaluation Factors in line with published RFP PQ & Technical Specifications to evaluate qualified bids objectively, technically, and accurately for fair bids evaluation & equal opportunity to participating agencies. We trust that you shall take due diligence of the issues raised vis a vis the supporting documents submitted. We believe that necessary departmental proceedings shall initiated to cancel the RFP and all due considerations shall be factored into the new RFP's publishing to allow free fair & open competition to all OEMs and bidder without compromising the quality and objectivity of proposed CCTV Surveillance System to adaptive , responsive; open; scalable and of state of the art Technology with minimum OEM Warranty of 05 Years and OEM Support with all up-grades for minimum 10 years. We hope our requests shall be reviewed to decide on ramifications and needful actions shall be taken.	The tender is for IT services that were already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender. It is important to note that this is not a new requirement but rather a restructured effort to streamline execution. The intent is to seek a competent system integrator to ensure timely and efficient delivery of the consolidated services.
9	Specific Makes and Models	In view of not having a fair & clear OEM Selection Criteria underscoring the Functional requirements while fulfilling the laid out GOI Guidelines of CVC and DAP/DPP, we request you to consider & include HONEYWELL _ NOTIFIRE as one of the approved makes of Fire Alarm System & FIRE SUPPRESSION SYSTEM being one of the most leading global makes of FAS having significant presence in India over the years. HONEYWELL - NOTIFIRE as approved makes in the most critical projects in India like CPWD CENTRAL VISTA's Indian New Parliament; Common Central Secretariat; EXECUTIVE ENCALVE – PMO & PMR) and MES - Indian Army HQ (The new Thal Sena Bhawan; MES - IDNIAN ARMY KLP BASE HOSPITAL 800+ Bed Multi specialty Hospital Project; MES - IDS HQ Buildings; MES – ONCOLOGY HOSPITAL Projects, etc to name a few, have been reviewed; debated & finally approved not only by CPWD or MES Team but also by a panel of specialists from various domains including also the PRINCIPAL CONSULTANT / the MEP Consultant/ the PMC.	The supply and services specified in this tender are neither new requirements nor standalone systems. These requirements are integral to the existing contract with the Ministry of Defence (MoD) initiated in 2020 and are in accordance with the RFP dated 2015. The IT-related works are already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender. This scope of work forms a part of the turnkey solution to be delivered to the end customer. Consequently, the make and model mentioned in the contract have been derived as per the contractual obligations and have now become mandatory requirements under this tender.
10	Specific Makes and Models	Specific Makes and Models in BOQ: The BOQ specifies specific makes and models (e.g., Controller - Kentek Syncro AS (Hochiki), Photoelectric Beam Detector - OTI-AX-200TF Optex America, Detectors - Apollo Discover Model Numbers 58000-600, SA5900-908, Roshni Red 32 Tone). Considering this is a government opportunity, such specifications appear to conflict with GFR guidelines, which recommend listing three similar makes without specific model numbers. Kindly clarify. Specific Makes and Models in BOQ: The BOQ specifies specific makes and models (e.g., Controller - Kentek Syncro AS (Hochiki), Photoelectric Beam Detector - OTI-AX-200TF Optex America, Detectors - Apollo Discover Model Numbers 58000-600, SA5900-908, Roshni Red 32 Tone). Considering this is a government opportunity, such specifications appear to conflict with GFR guidelines, which recommend listing three similar makes without specific model numbers. Kindly clarify.	Therefore, the make, model, supply, and services must adhere strictly to the specifications outlined in the tender.
11	Specific Makes and Models	Request you to amend the Make & Model of equipment's with equivalent specifications as required in tender.	
12	Specific Makes and Models	Request to provide us the technical specifications of the Gadgets to be installed at site.	
13	Specific Makes and Models	We request you to amend the RFP or republish the RFP in view of below anomalies in violation of PUBLICPROCUREMENT ACTS & GUIDELIENS Under CVC and DPP. The specific selection of makes of ACS SYSTEM [UTF-8]â€” RBH; CCTV _ MOBOTIX; FIRE ALARMSYSTEM and FSS including the PIDS go against the policy of offering fair & equal opportunity to all OEMs. We request you to incorporate the major OEMs like BOSCH; HONEYWELL; MOTOROLLA; CANON; HID;KABA; SOLUS; SPARSH; CPPLUS; MATRIX having full-fledged presence & support here in India and also meeting all necessary. Pls incorporate the Make IN INDIA ; Localisation & custom support guidelines Pls incorporate the correct RFP BOQ at least for one location allowing all OEMs familiar visibility without biasedness and favoritism Pls incorporate the MEITY Guidelines	
14	Specific Makes and Models	Pls include detailed POC and define the scope of POC for selecting best OEMs meeting the functional requirements	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
15	Specific Makes and Models	Pls incorporate the detailed Technical specifications	Please refer NIT
16		Bill of Quantities (BoQ) Details: Query: Could you provide a detailed BoQ for all items, including quantities and specifications, for both Group-1 and Group-2 sites? This will help ensure uniformity in understanding and bidding across all participants. Site-Wise Equipment List: Query: Please provide a site-wise equipment list, specifying the required components for access control systems, video surveillance systems, physical intrusion detection systems, and fire detection/suppression systems.	Please refer E-Uniwizard Portal for detailed BOQ
17	Specific Makes and Models	Approved Makes: Query: While cabling makes are mentioned, could you share a complete list of approved makes and models for other components like gas suppression cylinders, control panels, fire detectors, and surveillance cameras?	Please refer BOQ
18	Specific Makes and Models	Technical Compliance:Query: Are there any specific certifications or documentation required for demonstrating compliance with IT and fire safety standards? Coordination with OEMs:Query: Is there a preferred list of OEMs for major equipment, or can bidders propose solutions from any certified manufacturer? Integration Requirement: Query: For integration at the Zonal and Central NOC levels, could you provide specific requirements or protocols for compatibility with existing infrastructure and software?	As per NIT

19	Specific Makes and Models in BOQ	<p>The selection of makes & their respective model nos are biased and detriment to free & fair competition the essential requirement for any PUBLIC PROCUREMENT Project in line with CVC & DPP Guidelines.</p> <p>It is requested to include major makes of OEMs so that all eligible OEMs and other bidders get opportunity to participate eliminating any such scope of biased selection of OEM and Bidders cartelization affecting the overall success of PUBLIC PROCUREMENT.</p> <p>It is requested to incorporate the detailed Functional & technical Requirements instead of specific SINGLE MAKE OF OEMs against the scope of ACS; CCTV; PIDS; FAS & FSS and their Model Nos.</p> <p>It is requested to incorporate the MEITY GUIDELINES for CCTV & ACS SYSTEM; Data Security & PRIVACY; CERT-IN RECOMMENDATIONS and STQC Certification; NFPA 72 guidelines, NB Stipulations and most importantly the CFEES DRDO Recommendation cum Observations pertaining to the scope of FAS and FSS.</p> <p>Pls incorporate the DIPP GOI MAKE IN INDIAGUIDELINES.</p>	<p>The tender is for IT services that were already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>It is important to note that this is not a new requirement but rather a restructured effort to streamline execution. The intent is to seek a competent system integrator to ensure timely and efficient delivery of the consolidated services.</p> <p>The supply and services specified in this tender are neither new requirements nor standalone systems. These requirements are integral to the existing contract with the Ministry of Defence (MoD) initiated in 2020 and are in accordance with the RFP dated 2015.</p> <p>The IT-related works are already being executed by various agencies. However, due to multiple factors causing delays in this project of national importance, the management has decided to offload these ongoing services and consolidate them into a single tender.</p> <p>This scope of work forms a part of the turnkey solution to be delivered to the end customer. Consequently, the make and model mentioned in the contract have been derived as per the contractual obligations and have now become mandatory requirements under this tender.</p> <p>Therefore, the make, model, supply, and services must adhere strictly to the specifications outlined in the tender.</p>
20	Scope of work	The BOQ is incomplete and has enough scope for a specific bidder to under cut and thus denying opportunity to genuine bidder and in future affecting the overall project.	All the required specifications and requirements are clearly mentioned in the NIT document. However, to deliver a complete turnkey solution, if any additional items are required beyond those explicitly listed, it will be the responsibility of the bidder to provide them and quote accordingly.
21	Fire alarm Panel	Clause 1(a) specifies that the Fire Alarm panel/products must be IS-certified. IS / NFPA are design and implementation guidelines, not product certification standards. Certification is issued by organisations such as UL & FM. – Please Clarify	The Fire Alarm panel/Products must be UL/ EN/ FM / NFPA certified and comply with the IS /NFPA Guidelines.
22	Fire alarm Panel	Please note that IS & NFPA are design & implementation guidelines and not the product certification, Organizations such as UL/EN/FM/VDS as considered for certification of fire detection solution. However, in clause 1(a) of the RFP, the Panel has been asked to be IS certified which is grossly wrong, illegitimate and not a Certification standard.	The Fire Alarm panel/Products must be UL/ EN/ FM / NFPA certified and comply with the IS /NFPA Guidelines. Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
23	Fire alarm Panel	Panel Certification: Clause 1(a) specifies that the panel must be IS-certified. Please clarify, as IS and NFPA serve as design and implementation guidelines, not product certification standards. Certification is typically issued by organizations such as UL.	The Fire Alarm panel/Products must be UL/ EN/ FM / NFPA certified and comply with the IS /NFPA Guidelines.
24	Workstation and GUI/Software (FDAS)	The DBR specifies workstation-based control for the FDAS system, but the BOQ does not mention GUI/software or a workstation. Please clarify.	The proposed solution should comply with Clause No. A (a) (ii) of Section IV (Page No. 29) of the NIT.
25	Workstation and GUI/Software (FDAS)	As per the DBR in case of emergency the access doors should respond as per the site requirement but there are no input & output modules considered for the door to be integrated with the FDAS system. Kindly clarify.	The input and output modules are inbuilt in the Fire Alarm Panel. Please refer to the datasheet of the specified make and model (Kentec Syncro as). The bidder shall include any additional I/O modules if required as per the proposed solution and quote accordingly.
26	Workstation and GUI/Software (FDAS)	The FDAS is integrated with suppression system however there are no monitor module for taking the status or manual Agent release station for manual release in case of emergency & abort switch is considered for avoiding unwanted gas release in the facility due to a nuisance alarm.- Kindly Clarify?	The proposed solution should comply with Clause No. A (a) (ii) of Section IV (Page No. 29) of the NIT.
27	Fire Detection and Alarm System	Control Panel, spot detector, devices or modules are an integral part of the FDAS solution hence they should be from the same manufacturing company however the panel and detector are from different causing complexity in implementation and maintenance. kindly clarify	As per NIT

28	Fire Detection and Alarm System	Also, in the DBR the client is asking for workstation-based control over FDAS system, however there are no GUI/Software or workstation mentioned in the BOQ. kindly clarify.	The proposed solution should comply with Clause No. A (a) (ii) of Section IV (Page No. 29) of the NIT.
29	Fire Detection and Alarm System	Workstation and GUI/Software: The DBR specifies workstation-based control for the FDAS system, but the BOQ does not mention GUI/software or a workstation. Please explain this discrepancy.	The proposed solution should comply with Clause No. A (a) (ii) of Section IV (Page No. 29) of the NIT.
30	Fire Detection and Alarm System	The tender does not specify the system typology for the total flooding system. Should we consider low- pressure or high-pressure systems for this project, and is there a specific standard to follow?	The proposed solution should comply with Clause No. A (a) (ii) of Section IV (Page No. 29) of the NIT.
31	Sounder Strobe (SOUNDER Roshni Make)	NFPA 72 specifies that the combined sound pressure level (ambient noise + audible notifications) must not exceed 110 dBA at the minimum hearing distance. However, the BOQ specifies 130 dBA, which exceeds human hearing thresholds and seems tailored to a single. Make (Roshni Red 32 Tone). Please clarify.	A sounder output will be revised to 102 dBA (Make: Eaton, Model No Roshni Low Profile(RoLP), Red 32 tone). Corrigendum will be released with updated BoQ.
32	Sounder Strobe (SOUNDER Roshni Make)	As per NFPA 72 (The total sound pressure level produced by combining the ambient sound pressure level with all audible notification appliances operating shall not exceed 110 dBA at the minimum hearing distance), kindly clarify why in the BOQ 130dB is mentioned which is far exceeding beyond the allowed human hearing capacity to support a single make (Roshni red 32 tone). Pls suggest under which guideline the specific 130dB has been chosen when the FAS is specific to Codes & Standards as stipulated under NFPA 72 which has been duly adopted in NBC Guidelines. Does the proposed 130dB has been recommended by CFES or any such Governing body here in India? Pls clarify.	A sounder output will be revised to 102 dBA (Make: Eaton, Model No Roshni Low Profile(RoLP), Red 32 tone). Corrigendum will be released with updated BoQ.
33	Sounder Strobe (SOUNDER Roshni Make)	Sound Pressure Level: NFPA 72 specifies that the combined sound pressure level (ambient noise + audible notifications) must not exceed 110 dBA at the minimum hearing distance. However, the BOQ specifies 130 dBA, which exceeds human hearing thresholds and seems tailored to a single make (Roshni Red 32 Tone). Please clarify.	A sounder output will be revised to 102 dBA (Make: Eaton, Model No Roshni Low Profile(RoLP), Red 32 tone). Corrigendum will be released with updated BoQ.
34	Manual Call Point (Glass break manual)	As per the latest NFPA 72 guidelines, glass break manual call points are discouraged due to their non-resettable nature. Pull-type manual call stations are recommended instead. Kindly clarify why glass-type manual call points are specified.	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
35	Manual Call Point (Glass break manual)	As per NFPA 72 latest specification glass break is not allowed since it is not resettable type and after using once you must replace the entire glass and open the MCP to reset. Hence, NFPA 72 or NBC or CFESS have only prescribed pull type manual pull station instead of GLASS BREAK. Kindly clarify why the glass type is required.	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
36	Manual Call Point (Glass break manual)	Glass Break Manual Call Points: As per the latest NFPA 72 guidelines, glass break manual call points are discouraged due to their non-resettable nature. Pull-type manual call stations are recommended instead. Kindly clarify why glass-type manual call points are specified.	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
37	FIRE DETECTION AND SUPPRESSION SYSTEM	Is the heat detector specified as high-temperature or fixed rate-of-rise type? NFPA 72 recommends a response threshold of 8.5°C or better for early detection.	Please refer to the datasheet of the below product: Product Discovery - Heat Detector Part No. - 58000-400
38	FIRE DETECTION AND SUPPRESSION SYSTEM	As per the latest NFPA edition, Inbuilt Isolators in all detectors & devices are encouraged for pinpoint fault detection and isolation. While all major OEMs have products with this feature available in the market, the BOQ still calls for Isolators after 75 Detectors/devices, which is way higher than the average recommendation of any guideline, and defeats the basic purpose of having isolators in the 1st place. Please clarify the basis of this requirement.	The minimum quantity of isolators has been specified in the tender; however, the actual quantity will be determined by the bidder based on the proposed solution. As this is a turnkey project, the bidder has to provide additional isolators if required, to ensure system reliability and compliance with relevant standards and quote accordingly.
39	FIRE DETECTION AND SUPPRESSION SYSTEM	As per NFPA & IS the maximum allowable detector cum devices between two consecutive isolator is 15 to 20 in the latest guidelines and they have even prescribed inbuilt isolator as classX wiring, however, in the RFP, still after using 70 detector/ devices there's only 1 No. isolator considered, which will cause major failure in the system if there are any fault in any of the detectors or devices. Pls suggest under which specific guidelines the specific use of SIOLATOR has been considered.	The minimum quantity of isolators has been specified in the tender; however, the actual quantity will be determined by the bidder based on the proposed solution. As this is a turnkey project, the bidder has to provide additional isolators if required, to ensure system reliability and compliance with relevant standards and quote accordingly.
40	FIRE DETECTION AND SUPPRESSION SYSTEM	What is the obscuration level of the multi criteria detector and what will be the temperature parameter for the same detector? No details are available.	Please refer to the datasheet of the below product: Product Discovery - Optical/Heat Multisensor Detector Part No. - 58000-700
41	FIRE DETECTION AND SUPPRESSION SYSTEM	Is the heat detector High temperature/ or fixed rate of rise. The response threshold of heat detector is generally 8.5 degree Celsius or better for early detection and protection, whereas in the BOQ no such parameter is mentioned. kindly clarify.	Please refer to the datasheet of the below product: Product Discovery - Heat Detector Part No. - 58000-400
42	FIRE DETECTION AND SUPPRESSION SYSTEM	Photo electric detector (mentioned in 1b) is supposed to be used for indoor application as per the DBR or RFP, however, the outdoor beam detector is being used that to specific application of IP65 & 200Ft., which are not in line with FAS' NFPA or NBC &/or CFESS Guidelines and that also being categorically specified to single make (OTI-AX-200TF) of beam detector. Pls suggest why a specific single make of beam detector - (OTI-AX-200TF) has been proposed while debarring many eligible Indian & Global OEMs to participate offering an equal opportunity to all for fair and equal evaluation in against major PUBLIC/DEFENCE PROCUREMENT. Also, even in indoor application the response range of Beam detector is very high which surpassed the grey smoke permissible range (as per NFPA 72) thus reducing the fire response to a huge extent and thus, delaying the alarm process causing sever & significant damage to the protected area, resulting to until the area is more than 10 mtr high & lot of ambient smoke with high level of obscuration is already present (As per IS2189). Pls suggest, why the proposed beam detector has been selected against what technical requirement and functional requirements.	There is the only requirement of an outdoor beam detector which will be installed at boundary wall/ fencing. the details of the product is below: - Model Number: OTI-AX-200TF Make: Optex The item numbers 3(b) and 3(c) mentioned in the Fire Detection and Suppression System are already included as part of item number 2(e) of the Physical Intrusion Detection and Prevention System. Corrigendum will be released with updated BoQ.

43	FIRE DETECTION AND SUPPRESSION SYSTEM	Outdoor Beam Detector Requirement: Clause 1(b) mentions a photoelectric detector for indoor use. However, the BOQ specifies an outdoor IP65-rated beam detector (range of 200 ft, OTI-AX-200TF). This appears misaligned with the DBR. Kindly clarify its specific application.	There is the only requirement of an outdoor beam detector which will be installed at boundary wall/ fencing. the details of the product is below: - Model Number: OTI-AX-200TF Make: Optex The item numbers 3(b) and 3(c) mentioned in the Fire Detection and Suppression System are already included as part of item number 2(e) of the Physical Intrusion Detection and Prevention System. Corrigendum will be released with updated BoQ.
44	FIRE DETECTION AND SUPPRESSION SYSTEM	Beam Detector for Indoor Use: Beam detectors have a significantly higher response range, which could delay fire detection and alarm activation, especially in areas with permissible grey smoke levels as per NFPA 72. Unless the height exceeds 10 meters or there are significant ambient smoke levels (as per IS 2189), why is a beam detector specified?	There is the only requirement of an outdoor beam detector which will be installed at boundary wall/ fencing. the details of the product is below: - Model Number: OTI-AX-200TF Make: Optex The item numbers 3(b) and 3(c) mentioned in the Fire Detection and Suppression System are already included as part of item number 2(e) of the Physical Intrusion Detection and Prevention System. Corrigendum will be released with updated BoQ.
45	FIRE DETECTION AND SUPPRESSION SYSTEM	Multi-Criteria Detector Parameters: What are the obscuration levels and temperature parameters of the multi-criteria detector?	Please refer to the datasheet of the below product: Product Discovery - Optical/Heat Multisensor Detector Part No. - 58000-700
46	FIRE DETECTION AND SUPPRESSION SYSTEM	Heat Detector Specification: Is the heat detector specified as high-temperature or fixed rate-of-rise type? NFPA 72 recommends a response threshold of 8.5°C or better for early detection, but the BOQ does not include such details. Please clarify.	Please refer to the datasheet of the below product: Product Discovery - Heat Detector Part No. - 58000-400
47	PHYSICAL INTRUSION DETECTION AND PREVENTION SYSTEM	PHYSICAL INTRUSION DETECTION AND PREVENTION SYSTEM consisting of the following: (e) Beam Protector (Covering the entire parameter of the node) (make: Optex). Qty: 10 per node. Query: (e) Beam Protector - please clarify is it 5 sets of Tx and Rx per Node or 10 sets.	It is 5 sets (10 number). Corrigendum will be released with updated BoQ.
48	FIRE DETECTION AND SUPPRESSION SYSTEM:	FIRE DETECTION AND SUPPRESSION SYSTEM: (a) Main control panel comprising of visual and audible fire and fault alarms and signals, indicators and all other accessories. Panel shall be IS Approved (Make kenteksyncoas). The system shall be installed with complete necessary fittings and fixtures including 2C x 1.5 sqmm and 2C x 2.5 sqmm ISI marked cables and wires. All the conduits shall be as per NBC specifications. (Model No Kentek Syncro AS) 1 no's each per node. (b) OTI-AX-200TF - Photoelectric Detector with Synchronized twin beam, 200ft outdoor all weather range, IP65 Lightning Protection Level 14kV, 99% beam blocking stability includes pole mounting kit (Model No OTI- AX-200TE) 5 nos each per node. (l) Control modules for AHU / FAN trappings (Model No/Make: SS) 2 nos each per node. Query: (a) It should be (Kentec syncro AS) Perhaps Typo Error (b) not a part of Fire detection and suppression head (l) SS make model not available in this category, it should be of same make of detectors, as per industry standard	Agreed. Corrigendum will be released with updated BoQ.
49	Gas Suppression System (FM200)	The BOQ calls for FM200 based system, which is a phasing out system, and has adverse effects on the environment along with higher Global Warming Potential. Better and more environmentally friendly solutions, such as – “Water Mist type suppression” or “INERGEN (IG541)” based solutions are available in the market, with “Zero” Global Warming potential. We urge for National Interest, to kindly select Clean Agent Solutions like the 2 mentioned above, as choices made in prestigious projects like these has long lasting impacts on the society.	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
50	Gas Suppression System (FM200)	Gas Suppression – FM 200 No detailed Specifications are available for the reasons unknown. Pls suggest why NOVEC or Clean Agent has not been considered knowing the installation shall be in Tele Communications or Signal Equipments' Areas. FM-200 is not being phased out globally but faces scrutiny due to its global warming potential (GWP). While FM-200 does not deplete the ozone layer, it has a high GWP, which has led to discussions about its environmental impact. Any reason of selecting FM 200 only.! Does the selection of FM 200 is aligned with CFEEs DRDO Guidelines?	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.

51	Gas Suppression System (FM200)	<p>Fire Suppression System</p> <p>1. In light of India's commitment to global warming mitigation through the Montreal Protocol and the Kigali Amendment, the use of HFC-based systems (FM-200) has been restricted. Therefore, we propose replacing FM-200 with Novec 1230. We request the ITI's view on this change to proceed further.</p> <p>2. To determine the protected volume, we need dimensions of the room, including details on the false ceiling area, false flooring, and any partitions within the room to be protected under the total flooding system, in compliance with NFPA 2001 or ISO 14520 standards.</p> <p>3. The tender does not clarify the integration level with other systems, such as CCTV. What use cases and detection events will trigger the actuation of the FM-200 system, and what are the required delay parameters for manual actuation or override of the gas flooding system?4. What level of integration is required with other systems, and should this integration be soft or hard?</p>	<p>1. Requirement fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.</p> <p>2. The size of the equipment room is (6 by 5 by 3.5) all dimensions are in meters. However, this is the minimum requirement, the actual quantity may increase based on the end user requirement. Bidder should quote accordingly.</p> <p>3. All devices that generate alarms must be integrated with the CCTV system and pop-ups should be displayed on the system at the node, zone, and NOC level accordingly.</p>
52	Gas Suppression System (FM200)	<p>Alternative Fire Suppression Agents:Query: Considering that FM200 has a high GWP and is being phased out globally, will alternative agents like FK-5-1-12 (Novec 1230) be acceptable? These alternatives have zero or near-zero GWP and align better with environmental sustainability goals.</p>	<p>Requirement fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.</p>
53	Gas Suppression System	<p>System Design Details missing in the BOQ & DBR.</p> <p>Items such as valves, actuators, Manual Release & abort switches etc are required to complete the system and make it functional.</p> <p>Please clarify the same.</p>	<p>As this is a turnkey project, the bidder has to provide required items to ensure system reliability and compliance with relevant standards and quote accordingly.</p>
54	Gas Suppression System	<p>Gas Suppression System Design Standards:Query: Please confirm whether UL/FM/VDS certifications are mandatory for all system components and whether PESO-certified cylinders are a requirement.</p>	<p>All the components of Gas Suppression System must be UL/ EN/ FM / NFPA certified and comply with the IS /NFPA Guidelines.</p>
55	Gas Suppression System	<p>Environmental Conditions: Query: Should bidders account for site-specific environmental conditions (temperature and pressure) when designing gas suppression systems?</p>	<p>As per NIT.</p>
56	Fire Alarm System	<p>What will be the maximum capacity of each loop in the panel, with the maximum length permissible for each loop. Kindly clarify.</p>	<p>Please refer product manual of make (Kentec Syncro as)</p>
57	Fire Alarm System	<p>Panel Capacity and Loop Specifications: What is the maximum capacity of each loop in the panel, and what is the permissible maximum length for each loop?</p>	<p>Please refer product manual of make (Kentec Syncro as)</p>
58	Fire Alarm System	<p>Please clarify what level of integration is required between the fire alarm system and the integrated security platform? Should integration with third-party systems (e.g., access control, CCTV) be considered?</p>	<p>All devices that generate alarms must be integrated with the CCTV system and pop-ups should be displayed on the system at the node, zone, and NOC level accordingly.</p>
59	Fire Alarm System	<p>Room Dimensions for Fire Suppression Systems: Query: Kindly share the dimensions of the rooms where fire suppression systems need to be installed. This is essential for calculating the gas agent quantity and ensuring the system's compliance with design standards.</p>	<p>The size of the equipment room is (6 by 5 by 3.5) all dimensions are in meters. However, this is the minimum requirement, the actual quantity may increase based on the end user requirement. Bidder should quote accordingly.</p>
60	Fire Alarm System	<p>Room Integrity Test:Query: Is a room integrity test required for all sites where fire suppression systems are installed?If so, please specify the methodology and parameters for testing</p>	<p>As per NIT.</p>
61	Fire Alarm System	<p>Centralized vs. Standalone Systems:Query: For fire suppression systems, are standalone systems required for each room, or can centralized gas bank with selector valves be proposed? If a centralized system is acceptable,please specify design criteria.</p>	<p>As per NIT.</p>
62	FIRE EXTINGUISHER:	<p>FIRE EXTINGUISHER: (a) CO2 type cylindrical shape fire extinguisher - 4.5 Kg Capacity with requisite fixing arrangement (Model No/make Ventex) 5 nos each per node (e) Trolley mounted type - 9 litres capacity. 1 nos each per node. Query: (a) It should be Vintex Perhaps Typo Error (e) 9 Ltr. Capacity extinguisher available without trolley existing (Vintex) make</p>	<p>a. Agreed. Corrigendum will be released with updated BoQ. b. As per NIT</p>
63	FIRE EXTINGUISHER:	<p>Please clarify in regards to the qty., Type and capacity of Mechanical foam type fire extinguishers.</p> <p>Also, it is to highlight that Trolley mounted type -50 litres capacity of Ventex make is not coming, it comes in 45 litre capacity and then after 135 Litre Capacity. Please guide on this as well.</p>	<p>Agreed for 45 Litre capacity. Corrigendum will be released with updated BoQ.</p>

64	Payment terms: Stage of Payment	<p>Request to amend payment terms as below: 1st Stage On Supply of items on pro rata basis and should be on individual site wise - 70%</p> <p>Request to amend payment terms as below: 2nd Stage Installation and testing on pro rata basis and should be site wise - 20%</p> <p>Request to amend payment terms as below: 3rd Stage Individual site handover- 5%</p> <p>Request to amend payment terms as below: 4th Stage 5% on overall site completion and handover.</p>	As per NIT
65	Payment terms: Stage of Payment	<p>You are requested to amend the payment terms - 70 % Payment on Delivery</p> <p>You are requested to amend the payment terms - 20 % Payment after Installation & Commissioning</p> <p>Balance 10 % after Integration with central server/software</p> <p>please reduce the PBG amount to 3%</p>	As per NIT
66	Payment terms: Stage of Payment	<p>1st Stage: Supply of all the equipment along with Accessories at site. Payment will be made for 30% of the delivered items at site/sites.</p> <p>2nd Stage: Installation and submission of self certification of contractor (mentioning that all equipment have been installed at site) Payment will be made for 40% of the work done for the site/sites.</p> <p>3rd Stage: Completion of Scope of works as mentioned in BOQ and issuance of completion certificate from ITIL or within 30 days of Completion of Work letter submitted by the contractor (whichever is earlier). ITI Limited shall issue completion certificate on successful completion of testing of the test cases approved by ITI Limited within 15 days of Completion of Work letter submitted by the contractor. Payment will be made for 20% of the work done at the sites.</p> <p>4th Stage: Integration with central server/software to get clear visuals of all the allocated sites of the group at Zonal site and Central NOC. Payment will be made for 10% of the work done of all the allocated sites of the group.</p>	As per NIT
67	Warranty	<p>Note-1: 5% of the gross amount payable to the contractor will be retained from each running bill as a security deposit in addition to the Performance Guarantee of 5%. The security deposit will be released to the bidders after the successful completion of the defect liability/Warranty period. Request to amend as below:- Warranty should be start on completion of individual sites of our scope of work.</p>	As per NIT
68	Warranty	<p>Warranty and Maintenance Scope:Query: Please clarify the scope of warranty and maintenance during the defect liability period,including response times and penalties for delays.</p>	As per NIT
69	Warranty	<p>Note-1: 5% of the gross amount payable to the contractor will be retained from each running bill as a security deposit in addition to the Performance Guarantee of 5%. The security deposit will be released to the bidders after the successful completion of the defect liability/Warranty period. However, the bidder has the option to claim this 5% amount (to be deducted from each running bill) after submission of bank guarantee equivalent to that amount.</p>	As per NIT
70	General	<p>Note-2: The vendor shall be liable for the safe keeping of the equipments until the site is handed over to ITI Limited. No claim in this regard shall be entertained. Request to amend as below:- We would request to provide us two rooms, one for site office and one for storage of materials.</p>	As per NIT
71	Store	<p>SHEDS, STORE HOUSE AND YARDS: The contractor shall at his own expenses provide himself with sheds, Store house, any yards in such situations and in such numbers as in the opinion of the Engineer is requisite for carrying on the works. He shall obtain from the Engineer in writing approval to the layout of the sheds, store houses and the extent of area to be enclosed by the yards, before undertaking execution thereof. Request: Sheds, Store House & Yards Should be in ITI/Civil Contractor Scope</p>	As per NIT
72	Inspection	<p>Please clarify/remove this point:- Inspection facilities: The contractors while erecting the sheds, storehouses, and yards as per the clause of the contract, shall also provide space of above 20 sq. meters for the inspecting staff of the company</p>	As per NIT

73	Power and water Supply	Point No. 21- Power supply at the site of work: The Contractor has to make his arrangements for the power required for the work at his own cost. Request you to amend:- Point No. 21- Power supply at the site of work: The power supply will be provided by end user within 10 meter of the operational area for gadgets. Suggestions:- During building completion of 90% power will exist in the premises. Therefore, we would require raw power for installation and UPS power for running of ELV system.	As per NIT
74	Power and water Supply	CONTRACTOR TO SUPPLY WATER & POWER FOR WORKS: Unless otherwise provided for in the contract documents, the contractor shall be responsible for the arrangements to obtain supply of water and power necessary for the works and his workman. The cost of water and power has to be borne by the Contractor. Request: Electricity to be Provided by ITI/Civil Contractor	As per NIT
75	Power and water Supply	Kindly remove this point as this should be provided at site by end user.:- a. Unless otherwise provided for in the contract documents, the contractor shall be responsible for the arrangements to obtain supply of water and power necessary for the works and his workman. The cost of water and power has to be borne by the Contractor. b. Power supply at the site of work: The Contractor has to make his arrangements for the power required for the work at his own cost c. Power supply at the site of work: The Contractor has to make his arrangements for the power required for the work at his own cost	As per NIT
76	GST, IGST and Tax	The Contractor Price is inclusive of all taxes, duties, cess, and statutory levies payable under any laws, Other than Goods and Services Tax (GST) levied by Union and State Governments (CGST, SGST, UTGST, IGST). Suggestion: The IGST will be applicable as billing will be done on ITI Limited Office	This is as per standard guidelines effective as per Govt notifications
77	GST, IGST and Tax	Apart from registration as mentioned at c) above, Contractors shall also obtain all other necessary registration required under any other Local / State/Union Government Statute, for the execution of this contract, if any. Suggestion: As per mentioned clause ITI needs to be registered in GST wherever the place of work for input tax credit of IGST.	This is as per standard guidelines effective as per Govt notifications
78	GST, IGST and Tax	It is clearly understood that the contractor is fully aware of all GST Laws and his liabilities and responsibilities under the said laws including but not restricted to correct HSN/SAC code, the applicable rate of taxes of GST, or otherwise on which his liability has to be paid and discharged. ITI shall have no liability or responsibility from any penalty or proceedings, or any other liability levied or leviable on the contractor because of lower deduction or any other such non-compliance of the Contractor. Suggestion: Bidder will be responsible for there taxes (scope). However any deduction of known input in a/c of ITI operations, will not come in the scope of bidder.	This is as per standard guidelines effective as per Govt notifications
79	GST, IGST and Tax	In case of a change in the rate of tax or any provision relating levy of tax resulting in an increased burden of tax on the contractor, the contractor shall not be entitled to receive any compensation for such increase in quantum of tax payable by the contractor., however, recovery shall be made from the contractor on account of a decrease in rates of tax. Suggestion: Any change in tax liability should be covered by ITI as all tax is ultimately given to government.	As per NIT
80	Site visit	Site Visit:Before submission of tender, the tenderers are advised to visit the site, and its surroundings to assess and satisfy themselves about the local conditions such as the working and other constraints at the site, approach roads to the site and any other relevant information required by them to execute the complete scope of work. The bidders will have to arrange the above on their own as per their requirements at the sites. Request: Request you to provide permission for site surveys as per request raised by us.	As per NIT
81	Handover of site	Bidder has to commence the work simultaneously within 15 days from the issue of the handover of the sites Suggestions:- 15 days is too short time, it should be atleast 45 days.	As per NIT
82	Handover of site	In the case of a successful bidder, if the bidder fails to sign the Agreement with in the 15 days from the date of issue of LOA or fails to commence the work within the stipulated time period prescribed in the contract. Request to amend:-In the case of a successful bidder, if the bidder fails to sign the Agreement with in the 30 days from the date of issue of LOA or fails to commence the work within the stipulated time period prescribed in the contract.	As per NIT
83	Project timeline	Project Timelines:Query: Could you specify the timeline for handing over individual sites for execution and the expected completion schedule for Group-1 and Group-2?	As per NIT
84	Client workstation	The specifications for the workstations are not clearly mentioned. Please provide further details.	As per the requirement of the proposed solution.

85	ACCESS CONTROL SYSTEM	All nodes/Sites will have secured entry and exit via biometrics, card and PIN. All biometrics will have separate door controller unit. This door controller unit will be installed at safe location so that even if biometrics is damaged or switched off door is secured. Query: Is biometric reader will be installed on entry and exit both side or entry side only. According to the BOQ mentioned in ACS point no. 1 c) Biometric Reader is 3 nos. per node which means their will be a requirement of 6 nos. 2 door controller but in BOQ 2 door controller is 3 nos. per node.	Any additional requirements should be provided by the bidder, Bidders are advised to quote by considering it as a turnkey solution.
86	Video Surveillance system	Video Surveillance system: 1. Please confirm the required recording parameters, such as the number of days of storage and the resolution for video recording. 2. The tender mentions object detection and line crossing as video analytics features. Are there any other edge-based analytics expected or should the server-level intelligence be configured with associated licenses? 3. The technical specifications do not clarify the configuration for node- level, zonal-level, and central-level workstations and servers. We request specific details regarding recording, resolution, alarms, alerts, reports, and client usage. 4. The specifications for network devices (both passive and active devices, such as switches) are not provided in the tender. Please clarify.	1. Storage: minimum 30 days; Resolution: 1080P 2. As per NIT 3. The proposed solution should comply as per tender requirements. 4. As this is a turnkey project, the bidder has to provide required items to ensure solution compliance to the tender requirement.
87	Video Surveillance system	As per the clause in Upgradation sites, the CCTV work is not mentioned in tender please confirm that CCTV is already installed for each node at upgradation sites. Further as per page no 40 of 92 the requirement of CCTV pop up is there in central software in case of fire, so CCTV details will be required for providing this feature.	CCTV camera is not required at Upgradation sites. However, CCTV Pop-up at central/Zone level will be required for existing CCTV based on end user requirement.
88	Video Surveillance system	1. Camera View associated with alarm point is required locally, zonal location & central location will be in which OEM scope, Mobotix or RBH, please confirm. 2. As Cameras are IP Based so data switch is also required, please let us know it will be in bidder scope or ITI scope 3. Please confirm the storage required for how many days as storage hardware is not in the BoQ 4. Surge Protector is required for outdoor cameras & other IP devices, do we need to consider the same 5. Please consider the PC should be supply along with UPS.	1. It is the bidder responsibility to provide the solution as per tender requirement. 2. It is in the Scope of the Bidder 3. Storage is required for 30 days 4. As this is a turnkey project, the bidder has to provide additional items if required, to ensure system reliability and compliance with relevant standards and quote accordingly. 5. As this is a turnkey project, the bidder has to provide additional items if required, to ensure system reliability and compliance with relevant standards and quote accordingly.
89	Video Surveillance system	As per BoM, there are total 8 camera, 1 NVR with recording storage, 1 Display and 1 PV along with CCTV feed monitoring software. Kindly clarify the following: i.) Resolution in which recording to be done. ii.) For how many days, recording is required. iii.) How all cameras will be connected with NVR (is there any requirement of Switch) iv.) About the availability of LAN port and Electrical sockets where devices are planned for installation. v.) What is the configurations/specifications of PC	i) Resolution of recording: 1080P ii) Storage: minimum 30 Days iii) Bidder shall provide all the necessary hardware/software to fulfill the functional and Operational requirement of the tender. iv) As per NIT. V) As per the requirement of the proposed solution.
90	Intrusion Alarm System Schematic	Intrusion Alarm System Schematic: 1. The Securico (President) panel supports a maximum of 10 zones, while over 25 sensors are specified. How should the system be configured to accommodate this discrepancy? 2. The technical specifications do not clarify the level of integration required with the intrusion system. What are the trigger points for pop- ups at the node, zone, and NOC levels?	1. The minimum quantity has been specified in the tender; however, the actual quantity will be determined based on the proposed solution by the Bidder. As this is a turnkey project, the bidder has to provide additional items if required and quote accordingly. 2. All devices that generate alarms must be integrated with the CCTV system and pop-ups should be displayed on the system at the node, zone, and NOC level accordingly.
91	Physical Intrusion Detection and Prevention System	Please clarify the followings: 1.) Do we need to consider IP based Intrusion Controller panel; because the model which is written in BoQ i.e. Securico President is not IP based model. There are two models which are IP based; model number is SEC 12IP (President IP Panel) and SEC GX 4816 IP B2. Please confirm which model is required. 2.) In case IP based Intrusion Controller panel is required then kindly confirm whether one way communicating panel is required or 2way communication (like controlling of panel through software) is required. 3.) How many users will monitor the alerts? 4.) For centrally alert handling- AMS (alert Monitoring Software will be required.), kindly confirm whether it is required or not.	As per NIT
92	Layout 2 Drawing	As per the drawing provided in the tender the Layout- 2 is not clear for dimension. Kindly provide us the fresh copy of Layout-2	Clear layout-2 attached at page 12.
93	Performance Guarantee Deposit	Performance Guarantee Deposit: The total amount of Security Deposit is 10% of the contract value. Performance Guarantee payable by the contractor shall be 5% of the total value of the contract. Request you to remove the clause for Security deposit. PBG will be payable by the contractor which shall be 5% of the total value of the contract. Request to change:- time period of completion of work plus Defect Liability Period plus 90 days within 30 days after issue of Letter of acceptance but before signing the contract.	As per NIT

94	LIQUIDATED DAMAGES	Request to amend:- LD shall be as per ITI Clauses (@ 0.5% of order value per week or part thereof subject to a maximum of 10% of the undelivered portion/ the order value (if the item(s) cannot be used unless full supply is made) or to cancel the order and purchase the materials from alternative source at the risk and cost of the contractor) OR as per the end customer work order/tender clause whichever is higher.	As per NIT
95	LIQUIDATED DAMAGES	LD shall be as per ITI Clauses (@ 0.5% of order value per week or part thereof subject to a maximum of 10% of the undelivered portion/ the order value (if the item(s) cannot be used unless full supply is made) or to cancel the order and purchase the materials from alternative source at the risk and cost of the contractor) OR as per the end customer work order/tender clause whichever is higher.	As per NIT
96	General	Every work will be started after prior approval from authorized ITI Engineer in charge.	As per NIT
97	General	Once the drawing is finalized and work has been commenced, any type of rework will be in chargeable basis.	As per NIT
98	BOQ	We request a more detailed BOQ and clarification of the network connectivity requirements	As per NIT
99	Eligibility	Request to add the below mentioned clause:- The bidder should not be short closed or blacklisted from any reputed organisation, government, PSU or Defence sectors tenders.	As per NIT
100	Tender timeline	Therefore, considering the points above, It is requested an extension of the tender submission date to 15 days to adequately address the queries and complete the bid preparation.	As per NIT
101	General	What is the level of redundancy of Server & Workstation, which will be installed at Node, Zone & NOC level.	As per NIT
102	Infra	What is the provision for Infra like civil, floor, wooden work, table & chair at Node, Zone & NOC (ICCC) level. If required, please clarify the scope of bidder or buyer in this case.	This is in the scope of ITI Limited, please refer NIT.
103	Solvency Certificate	Requesting Solvency Certificate Value to be: Group-1 Rs. 8 Crs, Group-2Rs. 2.5 Crs	As per NIT
104	Work Experience	Bidders shall have experience of working with CPWD, Railways, Defense, Department of Post, State PWDs, State/Central	As per NIT
105	Work Experience	Pls incorporate OEM & Bidder Experience in similar fields mandatory.	As per NIT
106	ACCESS CONTROL SYSTEM	Access Control System Accessories like: Magnetic Lock, U Clamp, Push Button, EDR, Sensors is in whose Scope.	It is a turnkey solution project hence these items are in the scope of the bidder.
107	ACCESS CONTROL SYSTEM	As per BoM, accessories are required for Access Control System such as EM Lock, L Bracket, U brackets, Exit Button, etc. Please confirm the type of door (i.e. wooden door/glass door/etc.) Kindly clarify on this.	Consider for at least 2 wooden doors and 3 Glassdoors.
108	General	ITI should make sure following site readiness should be there before handing over to IT Contractor: 1.All electrical points required for equipment's to be connected. 2.Low Voltage Earthing 3.Furniture for PC like Table & Chair 4.A/C and Dust Proof Server Room. 5.Approval of cabling as per Drawing in Advance 6.Outdoor conduiting till control room from Parameter wall & other Sensors 7.Conduits inside wall to be made available for cabling 8.IP (Intranet required for Axiom Connectivity to command & control Centre in Delhi). 9. All MCBs as required	1. Agreed 2. Building earthing will be provided for electrical elements/equipments. 3. Not Mandatory 4. Not mandatory 5. Bidder shall submit the cabling drawing for approval. 6. It is in the scope of the bidder 7. It is in the scope of the bidder 8. IP will be provided by ITI LTD 9. Agreed
109	PoC	Pls include detailed POC and define the scope of POC for selecting best OEMs meeting the functional requirements.	Requirement is fixed with end-user, No change is admissible. Bidders are advised to quote accordingly.
110	COO	Pls incorporate the GFR 2019 Amendment for land border restrictions.	As per NIT
111	GUIDELINES	Pls incorporate the ISO 27001 and CMMI Guidelines for bidders.	As per NIT
112	Scope of work	Kindly clarify the followings: 1.) Please confirm whether NOC is within the Group1 location (i.e. within New Buildings: 95 and Upgraded Sites: 46) or it is a different location and we need to consider servers, access control systems, PCs, etc. at NOC location. 2.) What is the location of NOC? 3.) Exactly, what type of integration is required, kindly elaborate so that all things can be considered in BoQ and pricing.	1. NOC Location is the additional site and in the scope of G-1. 2. NOC is located in NEW Delhi. 3. As per NIT

