

ITI LIMITED
(A Govt. of India Undertaking)



TENDER

DOCUMENT FOR

**Design Implementation Integration And Maintenance Of Access Control System
IP Based Surveillance Cameras At Border site**

Tender Notice No: ITI/RODEL/2k21/CCTV/LB

Date: 02.08.2022

Addl. General Manager
ITI Limited, MSP-Delhi
Core-1 Floor-11
Scope Minar Laxmi Nagar,
New Delhi-110092
Email: kiransingh_nsu@itild.co.in
Website: www.itild.in



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TENDER NOTICE

Tender Notice to: ITI/RODEL/2k21/CCTV/LB
Date: 02.08.2022

ITI Limited invites ONLINE bid in TWO COVER SYSTEM (Technical & Financial) from eligible bidders which must be valid for a minimum period of 180 days from the date of bid opening for following items:

Scope of Work	Design Implementation Integration And Maintenance Of Access Control System IP Based Surveillance Cameras At Border site
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Interested parties may view and download the tender document containing the detailed terms & conditions at free of cost from the websites Tender Wizard Portal, [CPP Portal](#) OR <http://itiltld.in>

The ONLINE bid is to be submitted in a sealed cover over the Tender Wizard ITI Limited Portal

The helpdesk nos. for bidding:

- a) **Shri Prashant Kumar: +91-99100-48364**
- b) **Shri Abhay Sharma: +91-78274-50462**

M/s ITI Limited

AGM MSP Delhi

Subject: Expression of Interest (EoI) for Design Implementation Integration And Maintenance Of Access Control System IP Based Surveillance Cameras At Border site

We as a Govt. of India Undertaking organization under the Ministry of Communication & IT engaged in ICT business along with other diversifying business areas.

This EOI/RFP/Tender is aimed at identifying suitable Commercial Organization as a 'System Integrator' having adequate strength in the above field.

The 'System Integrator' (SI) shall act as an OEM/System Integrator of ITI to execute the project in India. All mission critical activities would be managed and supervised by ITI through its experienced Managers and qualified Professionals in the respective areas.

With this vision and commercial objective, sealed bid is invited for the above-mentioned work. The Sealed Technical and Financial proposal under Two Cover-System may be submitted by the Bidder(s). It is must for the bidders to meet the Eligibility Criteria as mentioned in the EoI/RFP/Tender document.

The interested parties may collect the EoI/RFP/Tender document upon submission of EoI/RFP/Tender Document Cost to ITI by person or the same can be downloaded from the website and the said cost may be submitted along with the bid at the time of submission of offer.
Few important points & timelines are being furnished hereunder.

Sl. No.	Important Points / Timelines	Details
1	EoI/RFP/Tender Enquiry Authority	AGM MSP Delhi ITI Limited, MSP-Delhi Core-1 Floor-11 Scope Minar Laxmi Nagar, New Delhi-110092 Email:kiransingh_nsu@itiltd.co.in
2	Contact Person for the clarification of EoI/RFP/Tender Document	Shri Prashant Kumar, Chief Manager Contact: +91-99100-48364 Shri Abhay Sharma Marketing Executive Contact: +91-78274-50462
3	Tender Type (Open/Limited)	Limited – For ITI Empaneled Vendors only
4	No. of Cover/Package	Two Cover System
5	Tender Category (Goods/Services/Works)	Goods
6	Payment Mode (Online/Offline)	Online RTGS/ NEFT Bank: Bank of Baroda, KG Marg MICR: 110012021 IFSC: BARB0CURZON Acc. No.: 06230500000010
7	EoI/RFP/Tender Document Cost (inclusive of GST)	xxxxxxxxxx
8	EMD Amount	1920000 (Nineteen Lac and twenty thousand Rupees)
9	Estimated Value of Enquiry	
10	Due Date, Time & Place for Sale of EoI/RFP/Tender Document	08.08.2022; 3:00 p.m.
11	Due Date, Time & Place for Submission of Bid	08.08.2022; 3:00 p.m

12	Due Date, Time & Place for Opening of Technical Bid	08.08.2022; 04:00 p.m.
13	Due Date, Time & Place for Opening of Financial Bid	Will be intimated
14	Performance Security	3%

In order to get the clarity of the scope of work / terms & conditions, the bidders are requested to go through the whole EoI/RFP/Tender document and other project related requirements carefully. An explicit understanding of the requirement is rather essential for arriving at commercial assessment by the prospective bidders.

The selected bidder who is to play the role of a 'System Integration Associate (SIA)' has to enter in to a Contract with ITI Limited to form a case-specific business alliance (under sole investment business model) for arranging the requisite bidding inputs.

This EoI/RFP/Tender is being issued with no financial commitment and the response to this EoI/RFP/Tender shall not be assumed as mandatory for short listing of the suitable vendor with adequate experience for giving the work.

Addl; General Manager
MSP-Delhi

Note:- This is a Limited tender applicable for Empanelled Vendors of ITI only which has been done through ITI's open "EOI for Empanelment of ITiS Providers" vide EOI no. ITI/CORP-CM-ITiSP dated 01.06.2020. In case, a new vendor wishes to participate in this tender, they can enroll themselves by submitting their technical and financial credentials through ongoing open Expression of Interest (EOI) No. ITI/CORP/MKTG/Empanelment dated 06.03.2021 published in ITI website and captioned as "EOI for Empanelment of Vendors". In both the cases, the bidder should have signed a Teaming Agreement with ITI Limited as on the date of publication of this Tender/EOI

Project Background:

ITI Limited (ITI) is a Public Sector Undertaking which functions under the aegis of The Ministry of Communications and IT, Government of India.

We at MSP-Delhi (which is part of the Corporate Marketing Department located at Bangalore) are engaged in the business of Telecom / ICT and e-Governance projects implementation, Supply of Hardware and Software and the services related with these items.

ITI is interested in addressing some of the prospected business opportunities where it is strongly positioned by virtue of its 'PSU Status', proven 'Project Management Capabilities' and rich Relevant- Experience. ITI is looking for business association from reputed System Integrators/ OEMs who can assist ITI to win the business and ultimately help ITI in the execution of the project.

The objective of this Invitation for submission of bid is to identify a System Integration Associate (SIA) to address a particular 'Business Opportunity' / a kind of 'Business Opportunity' which has emerged or under process to emerge from a cIPIent for the implementation of a project in Government Domain.

The selected bidder who is to play the role of a 'System Integrator' has to enter in to a contract with ITI Limited to form a case-specific business alliance for addressing the opportunity.

During the bidding process, the vendor is supposed to provide the requisite Techno-commercial inputs to ITI as per the Requirements/Specifications/Expectations/Scope of Work of the prospective customer to win the commercial bid in favour of ITI. The name of the end-customer and other details of the Projects would be shared with the selected bidder.

On receipt of the Purchase Order, the same would be placed on the selected SI on back to back basis

Eligibility Criteria of the Bidders:

The bidders are to fulfill the following eligibility criteria **and submit documentary proof in this regard:**

S. No.	Clause	Documents Required
1.	Processing fees for the tender document (if any)	xxxxxxx
2.	EMD	1920000 (Nineteen Lac and twenty thousand Rupees)
3.	The Signatory signing the Bid on behalf of the Bidder should be duly authorized by the Board of Directors of the Company to sign the Bid	A Certificate from the Company Secretary of the Bidder certifying that the Bid signatory is authorized by the Board of Directors of the Company to do so, with acceptance of board resolution, resolution number and date.

S. No.	Clause	Documents Required
4.	<p>The Service Provider could be</p> <ul style="list-style-type: none"> A company incorporated in India under the Companies Act, 1956 or Companies Act 2013 (as amended till date), and subsequent amendments thereto <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> An entity registered under LLP Act 2008 and subsequent amendments thereto <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> Partnership firm registered under Indian Partnership Act, 1932 <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> The firm should be incorporated outside India but should have a registered office before the submission of the bid. <p>The Service Provider should also have valid GST registration in India.</p>	<ul style="list-style-type: none"> The Service Provider should produce the copy of the Certificate of Incorporation Copy of GST and PAN
5	The Service provider should have average annual turnover of minimum INR 5 Cr. from ICT (Information Communication & Technology) business in the LAST three financial years FY 2018-19, 2019-20, 2020-21).	<ul style="list-style-type: none"> Certificate from Statutory Auditor/CA for the same effect shall be attached by the Service Provider.
6	Net Worth: - The Service Provider should have positive net-worth as on March 2022	<ul style="list-style-type: none"> Certificate from Statutory Auditor/CA for the same effect shall be attached by the Service Provider.
7	<p>The Service Provider should have been in operation for atleast 5 years in India and have implemented atleast 1 projects from any one of the listed categories in the last 5 (Five) years with any State/Central Govt/PSUs in India as on bid submission date:</p> <ol style="list-style-type: none"> City/State/National Command and Control Center Video Surveillance with Analytics FRS/ANPR based access control 	<ul style="list-style-type: none"> The Bidder has to provide work order/completion certificate specifying the duration of projects In case of completed project, Service Provider to produce copy of work order / contract agreement and completion certificate from client In case of on-going project, Service Provider to produce copy of work order / contract agreement and client certificate stating 100% completion of implementation phase and at least 20% completion of O&M phase.
8	<p>Blacklisting / Banned / Debarred:</p> <p>The Service Provider shall not be under a declaration of ineligibility for corrupt or fraudulent practices and should not be blacklisted / banned / debarred by any State Govt./Central Govt./PSU in India for any reason on the date of bid submission.</p>	<ul style="list-style-type: none"> Self-declaration on the letter head by the Service Provider duly signed by the authorized signatory as per annexure.
<p>Note:</p> <ul style="list-style-type: none"> The Technical bids shall be further evaluated of the Service Providers, who will meet the Pre-Qualification criteria. Only the bids of those Service Providers, who submit the prescribed Bid processing fee. Service Providers are required to provide the information as per the formats provided along with the required supporting documents for each of the criteria. 		

A. Qualification Criteria for OEM of key components

S.no.	Pre-qualification condition	Documents required
OEM for proposed Cameras		
1	The OEM of Camera should have presence in India for the past five years as on date of submission of Bid.	<ul style="list-style-type: none"> • Certificate of Incorporation / Registration • Copy of GST registration • Copy of PAN Card
2	OEM should have a fully equipped repair and maintenance centre in India as on date of submission of the Bid.	<ul style="list-style-type: none"> • Details of Address and support phone number for India based Technical Support Centre, repair, and maintenance centre (Self-Declaration)
3	ONVIF Compliance: All Cameras should be inter-portability compliant (such as PSIA (all profiles) / ONVIF G and S standard) and should support for all necessary profiles to meet the requirements specified in the RFP	<ul style="list-style-type: none"> • Self-declaration on the letter head of the OEM signed by Authorized signatory • Online ONVIF site verification docs as available in ONVIF Conformance site must be enclosed
4	Blacklisting / Banned / Debarred: The OEM shall not be under a declaration of ineligibility for corrupt or fraudulent practices and should not be blacklisted / banned / debarred by any State Govt./Central Govt./PSU in India for any reason on the date of bid submission.	<ul style="list-style-type: none"> • Self-declaration on the letter head by the OEM, duly signed by the authorized signatory as per annexure
For Video Management System (VMS)		
5	<p>The Proposed Video Management System should be well proven and implemented with analytics on any city/state/national level project.</p> <p>Video Management system should be inter-portability compliant (such as PSIA (all profiles)/ ONVIF G & S standard) and should support for all necessary profiles to meet the requirements specified in the RFP</p>	<ul style="list-style-type: none"> • OEM shall provide copy of work order / contract agreement/ Purchase Order providing details confirming the compliance to the required criteria • For Inter-portability Compliance: Self-declaration on the letter head of the OEM signed by Authorized signatory mentioning the proposed product wise inter-portability protocol(s) and relevant profiles Online ONVIF site verification docs as available in ONVIF Conformance site must be enclosed.
For Access Control System		
6	The Proposed FRS based Access Control System should have been implemented in at-least one city/state/national level project and should be integrable with VMS/Command and Control Center application	<ul style="list-style-type: none"> • OEM shall provide Copy of work order / contract agreement/ Purchase Order providing details confirming the compliance to the required criteria.
For AI based Video Analytics, FRS and ANPR		
* The OEM for Analytics, ANPR and FRS can be same or different as per the requirement		
7	OEM(s) must have supplied AI based Video Analytics platform in minimum 03 projects (Completed) in India in the following area: State or Central Gov./ PSUs/ defence unit/smart cities/state-wide surveillance/safe city/city surveillance/ports/law enforcement agencies	<ul style="list-style-type: none"> • OEM shall provide Copy of work order / contract agreement/ Purchase Order providing details confirming the compliance to the required criteria.

8	Video Analytics, FRS and ANPR OEMs should have been operational in India since last 05 years.	<ul style="list-style-type: none"> OEM shall provide Property Tax / Electricity / Telephone Bill / GST Registration /Lease agreement (in favour of OEM or authorized service partner)
9	The proposed Face Recognition Software OEM or its Principal OEM/ODM should have its FRS engine must be NIST 1: N and 1:1 validated as per NIST FRVT 2019 / 2020 / 2021	<ul style="list-style-type: none"> Copy of certificate confirming the compliance to the required criteria.
10	The FRS OEM should have minimum 02 projects of FRS (Completed) in India.	<ul style="list-style-type: none"> OEM shall provide Copy of work order / contract agreement/ Purchase Order providing details confirming the compliance to the required criteria.
11	The ANPR OEM should have minimum 02 projects of ANPR (Completed) at city/state/national level in India.	<ul style="list-style-type: none"> OEM shall provide Copy of work order / contract agreement/ Purchase Order providing details confirming the compliance to the required criteria.

Additional Mandatory Clauses:

<p>The proposed OEM of IP CCTV System / Products/Items (IP Cameras, Software; etc.) must possess the IPR for design & firmware of each of the items being quoted. The IPR "Intellectual Property Rights" of Design/Hardware; System on Chip (SOC) being used, related coding and Source Code of Software (including camera firmware) must not reside in any Country that shares a Land Border with India or in any of the countries designated as restricted by competent authorities. The necessary supporting documents including Undertaking cum declaration with Certificates / Reports/ Details must be furnished for necessary evaluation.</p>
<p>The OEM related to IP CCTV Camera system should be free from any foreign government control/ownership or financial aid in India or in any foreign country.</p>
<p>OEM need to confirm that the equipment, like Cameras etc., shall not be installed with standards like - GB28181, GB/T28181-2011, GB/T 28181-2011, GBT 28181- 2011, GBT28181-2011, GB/T28181-2016, etc., protocols/standards and there shall be no option in the camera web page/settings to activate or deactivate such protocols/standards any of their version(s) or any such protocol which allow certain organizations to bypass all security parameters and look into the devices directly.</p>
<p>All the proposed IP Color CCTV Cameras shall be NDAA Compliant in addition to other stated certification in the tender.</p>

IP CCTV System OEM must provide a Non Malicious Code undertaking by agreeing in writing for all proposed cameras, recording software/application, NVMS, Analytics Software, Camera Firmware, SDK, API's etc shall not contain any embedded malicious code which may :

- i) Cause damage to the use or his equipment /solution during the operational exploration of the equipment's/solution
- ii) Tap information regarding network, network users and information stored on the network that is classified and or related to National Security, there by contravening

Official Secret Act 1923. There are/ will no Trojans, Viruses, worms, Spywares or any malicious software offered or software that will be developed

Notwithstanding to anything contrary contained in these Rules, Department of Expenditure may, by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders / OEMs / Suppliers / 3rd party OEMs of OEM from a country or countries, or a class of countries, on grounds of Defense of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions. The IPR must reside either in India and shouldn't reside or belong to any of its entity in restricted country as designated by GOI.

The IP CCTV System OEM &/or Camera OEM must confirm that Firmware shall be secured through Signed Digital certificates on all Cameras including VMS Firmware. Firmware must be retained by OEM and, it's IPR. The IPR must reside either in India and shouldn't reside or belong to any of its entity in restricted country as designated by GOI.

The IP CCTV System OEM &/or Camera OEM must confirm that the MAC address/ Serial Number of the surveillance cameras; including their firmware & respective IPRs must be registered in the name of the OEM supplying the equipment's only. OEMs must comply with MACID – Authentication what shall be done through 3rd party tool. OUI must be declared. Necessary supporting documents with an undertaking must be submitted.

General Terms and Conditions of EoI/RFP/Tender:

The prospective bidders are advised to study the EoI/RFP/Tender document carefully. Submission of your offer/bid shall be deemed to have been done after careful study and examination of the EoI/RFP/Tender with full understanding of its implications. Failure to furnish all information required in the EoI/RFP/Tender Document or submission of an offer/bid not substantially responsive to EoI/RFP/Tender in every respect will be at the Bidder's risk and may result in its outright rejection.

The Bidder shall bear all costs associated with the preparation and submission of its Bid, including cost of presentation for the purposes of clarification of the Bid, if so desired by ITI Limited. In no case, ITI would be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering Process. ITI reserves the right, not an obligation, to carry out the capability assessment of the Bidder(s). This right inter alia includes seeking Technical-Demonstrations, Presentations, Proof of Concept and Live-site visits etc.

1	Empaneled Vendor of ITI	Only ITI Empaneled Vendor (vendors who have signed the Empanelment Agreement with ITI on or before the submission of the tender/bid/proposal)
2	Non-transferable Offer	This EoI/RFP/Tender document is not transferable. Only those, who have purchased this offer document, are entitled to quote.
3	Only one Proposal	The Bidder should submit only one Bid/Offer/Proposal. If the Bidder submits or participates in more than one proposal, such proposals shall be disqualified.
4	Language of the Bid	All information in the Bid, correspondence and supporting documents, printed literature related to the Bid shall be in English. Failure to comply with this may disqualify a Bid. In the event of any discrepancy in meaning, the English language copy of all documents shall govern.
5	Clarification and Amendment in Tender	At any time before the submission of Proposals, ITI may amend the EoI/RFP/Tender document by issuing an addendum / corrigendum in writing or by standard electronic means. The addendum / corrigendum shall be sent to all contenders and will be binding on them. The Bidders shall acknowledge receipt of all amendments. To give bidders reasonable time in which to take an amendment into account in their Proposals ITI may, if the amendment is substantial, extend the deadline for the submission of Proposals.

6	Amendment to Bid	At any time prior to the deadline for submission of bids, the bidder may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, submit the Revised Financial Bid.
7	Modification and Withdrawal of Bid	No bid may be withdrawn or modified in the interval between the bid submission deadline and the expiration of the bid validity period specified in Bid documents. Modification or Withdrawal of a bid during this interval will result in the forfeiture of its bid security.
8	Validity of Offer	The offer should be valid for a minimum period of 180 days from the date of submission. The Bids valid for a period shorter than specified period shall be rejected.
9	Prices	The prices quoted by the Bidder shall be FIRM during the performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
10	Deviation Clause	No Deviation from Specifications, Terms & Conditions of the tender is allowed. Quotations having deviation from our specifications, standard terms & conditions would be liable to be rejected. If there is any deviation, specify clearly.
11	Taxes and duties	The taxes and duties are to be clearly mentioned, if any.
12	Delivery schedule	Contract Period: 3.6 Years
14	Payment Terms	a) Back to Back basis
15	Warranty / Annual Maintenance Contract (AMC)	Warranty of 3 Years
16	Liquidated Damages (LD)	Liquidated Damages and Penalty shall be levied on back- to-back basis i.e. ITI shall deduct from the payment on amount equal to the LD levied on ITI by the end customer.
17	Training	Sensitization of Departmental staff on the project, fully training on use of the Digital Platform and applications. Training trainers within individual Departments that can help internal users develop workflows and user interfaces as per requirements.
18	Acceptance Test Procedure (ATP)	a) Vendor have to conduct the Acceptance Test (AT) before handing over of the project(s) to ITI project executing division. b) End Customer will perform testing.
19	Damage to Properties	In case of any accident/damage to customer/end user properties by the vendor, full responsibility will be attributed to the vendor.
20	Contractual Period	ITI's Delivery date provided to ITI by customer. Delivery extension will be on back-to-back basis. The successful Bidder shall so organize his resources and perform his work as to complete it not later than the date agreed to.

21	Extension of Contract	On back-to-back basis.
22	Inspection Authority	End Customer
23	Tender Award Criteria	LCBS
24	Tender Document Cost and Earnest Money Deposit (EMD)	<p>In case of bid submission: Tender Document Cost (Nonrefundable) and Earnest Money Deposit (EMD) (If Applicable) must be remitted through NEFT/RTGS/Net Banking. No interest shall be payable on the EMD.</p> <p>The Bank Details of ITI Limited for NEFT/RTGS/Net Banking is as below: Online RTGS/ NEFT Bank: Bank of Baroda, KG Marg MICR: 110012021 IFSC: BARB0CURZON Acc. No.: 06230500000010</p>
25	Performance Security Deposit	The value of performance security shall be 3% of contract value (issued to Business Associate/SIA by ITI) or end-customer's performance security (as per order to ITI) whichever is lower.
26	Consortium Bidding	Not Allowed.
27	Signing of the Bids	The Bid must contain the name, residence and place of business of the person or persons making the Bid and having Power of Attorney and must be signed & submitted by the Bidder with his usual signatures. Satisfactory evidence of authority of the person signing the bid on behalf of the Bidder shall be furnished on non-judicial stamp paper of an appropriate value with the Bid in the form of a Power of Attorney, duly notarized by a Notary Public , indicating that the person(s) signing the bid have the authority to sign the bid and that the bid is binding upon the Bidder during the full period of its validity. All the pages of Bid document and supporting documents must be signed and stamped by the authorized signatory having Power of Attorney. Any interlineations, erasures or overwriting shall only be valid if they are initialed by the signatory (ies) to the bid.

28	Submission of Tender	The ‘ Technical Bid ’ and ‘ Commercial Bids ’ shall be submitted in ITI Limited Tender Wizard Portal
29	Opening of Tender	<p>Technical bid will be opened on due date of tender opening.</p> <p>Note 1: The bidders or their authorized representatives may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.</p> <p>Note 2: The technical bids will be opened and evaluated by a duly constituted committee. After evaluation of the technical bid, Price bids of only those bidders will be opened whose technical bids are found suitable. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee and will be intimated to technically qualified bidders.</p>
30	Rejection of Bid	ITI reserves the right to reject any or all tenders/quotations/bids received or accept any or all tenders/quotation/bids wholly or in part. Further, ITI reserves the right to order a lesser quantity without assigning any reason(s) thereof. ITI also reserves the right to cancel any order placed on basis of this tender in case of strike, accident or any other unforeseen contingencies causing stoppage of production at ITI or to modify the order without liability for any compensation.
31	Termination For Default	<p>ITI may terminate the contract in whole or in part for the following reasons:</p> <ul style="list-style-type: none"> • If the bidder fails to deliver any or all of the goods/services within the period(s) specified in the contract/purchase order, or within the extension time granted by ITI. • If the bidder fails to perform any other obligation(s) under the contract/purchase order. • If the bidder has engaged in corrupt/fraudulent practices in completing/executing the work assigned to him. • ITI may, without prejudice to any other right or remedy available to it, by a three days’ notice in writing, can terminate the contract as a whole or in part in default of the contract. ITI shall have the right to carry out the incomplete work by any means at the risk and cost of the bidder. • In addition to rights to forfeiture of PBG and application of LD charges, on the cancellation of the contract in full or in part, ITI shall determine what amount, if any, is recoverable from the contractor for completion of the work or part of the works or in case the works or part of works is not to be completed, the loss or damage suffered by ITI. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor’s material taken over and incorporated in work assigned as per the purchase order. • “Corrupt practices” means the offering, giving, receiving or soliciting of anything of value to influence the action of public official in the procurement process or in contract execution.

		<p>“Fraudulent practices” a misinterpretation of facts in order to influence the action of a public official in the procurement process or in contract execution and includes collusive bidding among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels to hamper free and open competition.</p>
32	Force Majeure	<p>Neither party shall bear responsibility for the complete or partial non- performance of any of its obligations, if the non-performance results from such Force Majeure circumstances i.e. Flood, Fire, Earth Quake, Epidemic and other acts of God as well as War, Military Operation, Blockade, Act or Actions of State Authorities that have arisen after signing of the present contract. Party invoking this clause shall serve notice of seven days along with the proof of occurrence of the force majeure event to the opposite party. At the time of cessation of such force majeure event a notice of the same shall also be served to the opposite party.</p> <p>In such circumstances, upon a written approval of ITI, the time stipulated for the performance of an obligation under the present contract will stand extended correspondingly for the period of time of action of these circumstances and their consequences. However, any such extension shall be given only if extension is granted by the ultimate buyer/ user.</p> <p>Parties at all times take reasonable steps within their respective powers and consistent with good operation practices (but without incurring unreasonable additional costs) to:</p> <ol style="list-style-type: none"> a) Prevent Force Majeure Events affecting the performance of the Company’s obligations under this agreement; b) Mitigate the effect of any Force Majeure Event; and c) Comply with its obligations under this agreement. d) Further if the period of Force Majeure event extends beyond three months the parties may consider the fore closure of the agreement. <p>* Period of three months may vary at the discretion of ITI as per the validity period of the contract.</p>

33	Arbitration	All disputes arising out of this contract shall be referred to the sole arbitration of MSP Head, ITI Limited, Delhi or his nominee as per the Provisions of Indian Arbitration and Reconciliation Act 1996. Decision of arbitrator shall be final and binding on both the parties.
34	Jurisdiction	This contract between the supplier and buyer shall be governed by the laws of India and this contract shall be taken up by the parties for Settlement and orders only in Delhi jurisdiction.
35	Other Terms and Conditions	
i.		The Bidder(s) are required not to impose their own terms and conditions to the bid and if submitted, it will not be considered as forming part of their bids. The decision of ITI shall be final, conclusive and binding on the Bidder(s). In a nutshell, the Conditional Bid or Bid with deviations will be summarily rejected.
ii.		The Bids/Offer of the Qualified bidders (who qualify the eligibility conditions) only would be subjected to the technical-evaluation.
iii.		The bidder is expected to go through the Scope of work and Specifications. The bidders are to quote only fully compliant solution.
iv.		The exact strategy to address and win the business opportunity would be shared / discussed with the Best-Rated qualified bidder in due course of time.
v.		The bidder is required to extend the requisite support during the evaluation by giving Technical Presentation / Demonstration / Arranging site visits (if required) on "No-Cost No-commitment" basis.
vi.		Any clarification issued by ITI in response to query raised by prospective bidders shall form an integral part of bid documents and it shall amount to an amendment of relevant clauses of the bid documents.
vii.		A clause-by-clause compliance statement to all Sections of the EoI/RFP/Tender document is to be submitted in the Technical Bid, demonstrating substantial responsiveness. A bid without clause-by-clause compliance statement to Eligibility Criteria of the EoI/RFP/Tender document, shall not be considered for evaluation and shall be summarily rejected.
viii.		The bidder should study carefully the document to assess the work and Risk factors associated with such type of Business opportunities.
ix.		The bidder has to consider the following major Cost Factors while arriving at a commercial decision: <ul style="list-style-type: none"> • Direct Cost (requisite IT Hardware and Application Software) • Fiscal Cost • Logistic-Cost • Taxes/ Duties • Services and Administrative Cost • Training and Documentation Cost • Contingencies
x.		The bidder should enclose the documents in their ' Technical Bid ' & ' Commercial Bid ' as specified in the tender documents.
xi.		Please note that if any document/authorization letter/testimonies are found fabricated /false/ fake, the bid will be declared as disqualified and EMD will be forfeited. This may also lead to the black-listing of the bidder.

xii.		All the required documents to establish the bidder's eligibility criteria should be enclosed with the original bid/offer (Technical-Bid) itself. The EoI/RFP/Tender will be evaluated on the basis of the documents enclosed with the original bid/offer only. ITI will not enter into any correspondence with the bidder to get these certificates/ document subsequently. However, it reserves its right to get them validated/verified at its own.
xiii.		Due to any breach of any condition by the bidder, the Bid Security (EMD) if any submitted by the bidder may be forfeited at any stage whenever it is noticed and ITI will not pay any damage to the bidder or the concerned person. The bidder or/and the person will also be debarred for further Participation in future EoI/RFP/Tenders.
xiv.		All suppliers (including small scale units who are registered with the National Small Scale Industries Corporation under Single point registration scheme) shall furnish Bid Security to the purchaser as per the requirement. As such no bidder is exempted to furnish the EMD.
xv.		The training shall be given to the end customer to ensure trouble free operations of the System/Equipment.
xvi.		The bidder is required to enclose Notarized Copy of the Power of Attorney from its Directors/Top management which should indicate clearly the name of the signatory and title. The Bidders must ensure that all the documents are sealed and signed by authorized signatory.
xvii.		The Power of Attorney given to the Authorized Signatory should be submitted and executed on the non-judicial stamp paper of appropriate value as prevailing in the respective states(s) and the same be attested by a Notary public or registered before Sub-Registrar of the states(s) concerned.
viii.		Sealed offer/bid prepared in accordance with the procedures enumerated above should be submitted to the Tenderer not later than the date and time laid down, at the specified address.
xix.		ITI shall not be responsible for any postal delay about non-receipt / non- delivery of the bid/documents. This EoI/RFP/Tender Document is absolutely not transferable.
xx.		The bid submitted may be withdrawn or resubmitted before the expiry of the last date of submission by making a request in writing to ITI to this effect. No bidder shall be allowed to withdraw the bid after the deadline for submission of the EoI/RFP/Tender. In case of withdrawal after deadline of submission, EMD will be forfeited.

Special Terms and Conditions of RFP/EoI/Tender:

1. The requirement is meant for addressing a business opportunity which has emerged from some Govt. body.
2. The broad 'Scope of Work' would be as per the EoI/RFP/Tender Document. However, the exact Scope of Work will be intimated to the selected SI/Vendor in due course of time (once bidder is short-listed) for addressing the opportunity.
3. The bidder is supposed to address the business opportunity jointly with ITI under "Sole Investment Business Model". This may include arranging Bid Security and Performance Bank guarantee etc. All 'Terms and Conditions' as per ITI's customer with regard to Payment / Reward / Delivery/Penalty shall be applicable on the selected Business Associate /SI also (in the event of the award of the business to ITI by the end-customer).
4. The bidder must be prepared to work with ITI limited on exclusive basis and will neither submit any direct proposal (to the end-client) nor submit any business proposal (to the end-client) through other business partner/PSU. In case of violation of the same, the EMD (if any) shall be forfeited and the bidder will be black-listed.
5. Consortium bidding is not allowed for this EoI/RFP/Tender.
6. All activities like Proof of concept on "No Cost No Commitment" (NCNC) basis wherever applicable will be the responsibility of agencies.
7. Agencies should be willing to sign an exclusive agreement with ITI for smooth execution of the project.
8. Earnest Money Deposit (EMD) / Bid security required for submitting the bid will be borne by the selected agency.
9. All CVC circulars/ statutory guidelines as applicable needs to be followed.

EoI/RFP/Tender Rejection Criteria:

The EoI/RFP/Tender/Bid will be rejected in case any one or more of the following conditions are observed:

1. Bids received without Proof of Purchase of EoI/RFP/Tender Document (if any) and EMD as per requirement.
2. Bids which are not substantially responsive to the Invitation for EoI/RFP/Tender.
3. Incomplete or conditional EoI/RFP/Tender that does not fulfill all or any of the conditions as specified in this document.
4. Inconsistencies in the information submitted.
5. Misrepresentations in the bid proposal or any supporting documentation.
6. Bid proposal received after the last date and time specified in this document.
7. Unsigned bids, bids signed by unauthorized person (without a valid Power of Attorney).
8. Bids containing erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be authenticated by the person(s) signing the bid.
9. Bid shall remain valid for the specified period from the date of opening of EoI/RFP/Tender prescribed by the purchaser. A bid valid for a shorter period shall be rejected by the purchaser being non-responsive.

Please Note

The business associate submitting the bid against this EoI/RFP/Tender must not have an alliance with other bidders / competitors of ITI for the same business opportunity. The bidder if selected as vendor/SI will not be allowed to address the opportunity directly/ extend the help to any other competitor of ITI Limited for the subject project.

Lowest-Bid (Best Qualified Bid) Evaluation Methodology:

1. This EoI/RFP/Tender would be subjected to a Two Stage (Technical & Commercial) Evaluation Process. All the Bidders are requested to note the entire evaluation process carefully.
2. Prior to the detailed evaluation, ITI will determine the substantial responsiveness of each Bid to the EoI/RFP/Tender Document. For the purpose of ascertaining the eligibility,
3. A substantially responsive bid is one which confirms to all the terms and conditions of the EoI/RFP/Tender Document without deviations.
4. The purchaser's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.
5. ITI may waive any minor infirmity or non-conformity or irregularity in the bid which doesn't constitute a material deviation, provided such waiver doesn't prejudice or effect the relative ranking of any bidder. The bids submitted by the Bidders would be subjected to a well-defined and transparent evaluation process.
6. The Bids would be evaluated by a duly constituted Committee of ITI Limited, whose decision would be generally taken as final, unless the aggrieved party establishes any Prima facie errors in the findings of the Committee. In such a situation, he may file a representation within 3 working days of receipt of decision from ITI Limited, duly listing the reasons / grounds. Such a representation would be considered at Senior Management Level of the Tendering Authority, whose decision would be final and binding on all the bidders.
7. The Bidders who have submitted the EoI/RFP/Tender Document cost & EMD, only those bidder will be considered for Technical Evaluation.
8. In Technical Evaluation process, all the Technical Bids of the preliminary eligible bidders (as mentioned above) would be scrutinized thoroughly w.r.t. our EoI/RFP/Tender Document. The Bidders, who will qualify in the Technical Evaluation process, would be considered for Commercial Evaluation.
9. In Commercial Evaluation process, all the Commercial Bids of the technically qualified bidders (as mentioned above) would be scrutinized thoroughly w.r.t. our EoI/RFP/Tender Document.
10. Bid Methodology:

Total cost of Design Implementation Integration And Maintenance Of Access Control System IP Based Surveillance Cameras At Border site		A	In INR
Quoted Margin to ITI, (Percentage of A)		B	In (%age)
Bid Evaluation	Absolute Value of Margin	C	$A*B/100$
	Overall Quoted Price	D	A-C

1. The bid having least "D" should be termed as successful

2. The bids having higher value of B should be selected in case of D

ITI reserves the right to reject any or all bids without assigning any reasons thereof.

Documents to be submitted along with the “Technical Bid”:

The Bidder/System Integrator (SI) must submit the following documents along with their Technical Bid:

- Bid covering Letter on the Letter-Head of the Bidder Company indicating Name and Address of the Authorized Signatory (with Contact telephone numbers and email ID) as per Annexure-A.
- Bidder's Profile.
- Proof of Empanelment with ITI.
- Case-Specific Power of Attorney authorizing the bidder to submit the Bid/EoI on behalf of the Bidder/Consortium.
- Tender-Document Cost (if any) of required amount.
- Bid Security declaration as per Annexure - G.
- Copy of PAN Card.
- No deviation certificate
- No Malicious Code
- Signed Declaration on letterhead from offered OEM of CCTV camera that MAC addresses of proposed CCTV Cameras are registered in the name of OEM supplying the cameras
- Insolvency certificate
- Detailed Methodology and technical work as per
- Certificate of warranty
- Certificate of Malicious Code
- GST Registration Certificate.
- Turnover Certificate(s)/Audited Balance-sheet(s) & Profit-Loss Account(s) of the Bidder for last three years.
- Declaration on the Letter-Head of the Bidder Company for Non-Black Listing as per Annexure
- Declaration / Undertaking on the Letter-Head of the Bidder Company as per Annexure(s).
- Compliance Statement of 'Eligibility Criteria of the Bidder' along with supporting documents (credentials, experience certificates, declarations & others)
- Integrity Pact /Non-Disclosure Agreement as per Annexure
- Tender Documents duly signed & accepted by the bidder
- MAF
- Data Sheets for offered Solutions

In case, the bidders do not submit any of the above mentioned papers/information along with Expression of Interest, his bid will be rejected and bid will not be considered for further evaluation.

It is reiterated that any bid not fulfilling any of the essential requirements mentioned in this EoI/RFP/Tender document would be classified as “Technically Non-Qualified/Non-Responsive” and Commercial bids of such bidders will not be opened and subsequently returned to the bidder. *No relaxation would be given to any bidder on any of these conditions.*

Documents to be submitted along with the “Commercial Bid”:

The Bidder/System Integrator (SI) must submit the following documents along with their Commercial Bid:

1. Price Bid as per EoI/RFP/Tender Document format only. No other format will be accepted.

Brief Scope of Work:

The selected Service Provider shall have the overall responsibility for design, supply, install, implement, and maintain the Access Control System and IP based CCTV Surveillance System at ICP Attari. The implementation phase is of six months followed by three years of operations and maintenance.

The Access Control system and IP based CCTV surveillance system involves setting up of an intelligent video surveillance system comprising of IP based cameras, installed across various locations of strategic importance throughout the check post premises. The system shall have the ability to monitor, detect, alert, and record any attempts of various malicious activities may occur at the ICP.

The Access Control system will regulate access of all the ICP officials/staff and the transporters coming at the ICP Attari. The system will allow authorized personnel only to enter the ICP premises based on the permissions issued to them time to time. Real-time alerts will be generated if any blacklisted or unauthorized person tries to enter the ICP premises, it will help LPAI to maintain the security and safety of the ICP. The system will allow the administrator to dynamically configure the various new zones or reconfigure the existing zones as per the requirement and a consolidated and centralized database will be there with movement details

The IP based surveillance cameras like Fixed cameras, PTZ camera and Facial Recognition system cameras will be installed at the different strategic locations at the ICP which will monitor, detect and record to enhance the system capability to identify people, object and character that can enable faster and efficient decision support and ensure preventive security mechanism. The System will also integrate with Automatic Number Plate Recognition Cameras (ANPR) which would capture the registration number of vehicles.

The servers and storage system of surveillance data and analysis will be hosted in the Data Centre to cater to the requirements of the solution.

3.1 Requirement of Scope

LPAI is mandated inter alia to plan, develop, construct, manage and maintain Integrated Check Posts (ICPs); facilitate functions of various agencies working at such check posts, coordinate with various concerned Ministries/ Departments/ Agencies of the Government of India or other agencies for regulating the entry and exit of passengers and goods. The ICPs are envisaged to provide all the facilities required for the discharge of sovereign and non-sovereign functions for smooth cross-border movement of individuals, vehicles, and goods under an integrated complex.

India developed its first ICP at Attari along the international border between India and Pakistan, located at about 28 kms from the city of Amritsar. ICP Attari is an extremely important checkpoint as Attari-Wagah is the only permissible land route allowed for trade between India and Pakistan. In addition, the ICP serves as an important port for importing goods from Afghanistan into India. Spread over a total area of 120 acres, ICP Attari has direct access with National Highway-I.

Given the vital role that ICP Attari plays in facilitating trade and passenger traffic across the border, it is important to provide a secure environment for ICP operations. Therefore, it ensures transparency among stakeholders by setting up an Access Control system and IP-based CCTV surveillance system to regulate, monitor and detect the movement of the people & vehicles throughout the ICP.

The Access Control system will include installing FRS cameras, ANPR cameras, boom barriers for truck entry, and access gates for pedestrian entrance at the main entry gate of the ICP Attari. Based on the data captured, the Access Control system will regulate and monitor the entry of ICP officials/staff and the truck driver entering the ICP. Upon any unauthorized access into the premises of the ICP, the access control system will not allow the person to enter the ICP and the alert will be generated by the system.

The comprehensive video surveillance system will also include revamping of the existing command centre at ICP Attari. The video feeds from the surveillance cameras would be monitored and analyzed at the command centre. In addition, the surveillance cameras deployed at various locations across the ICP from

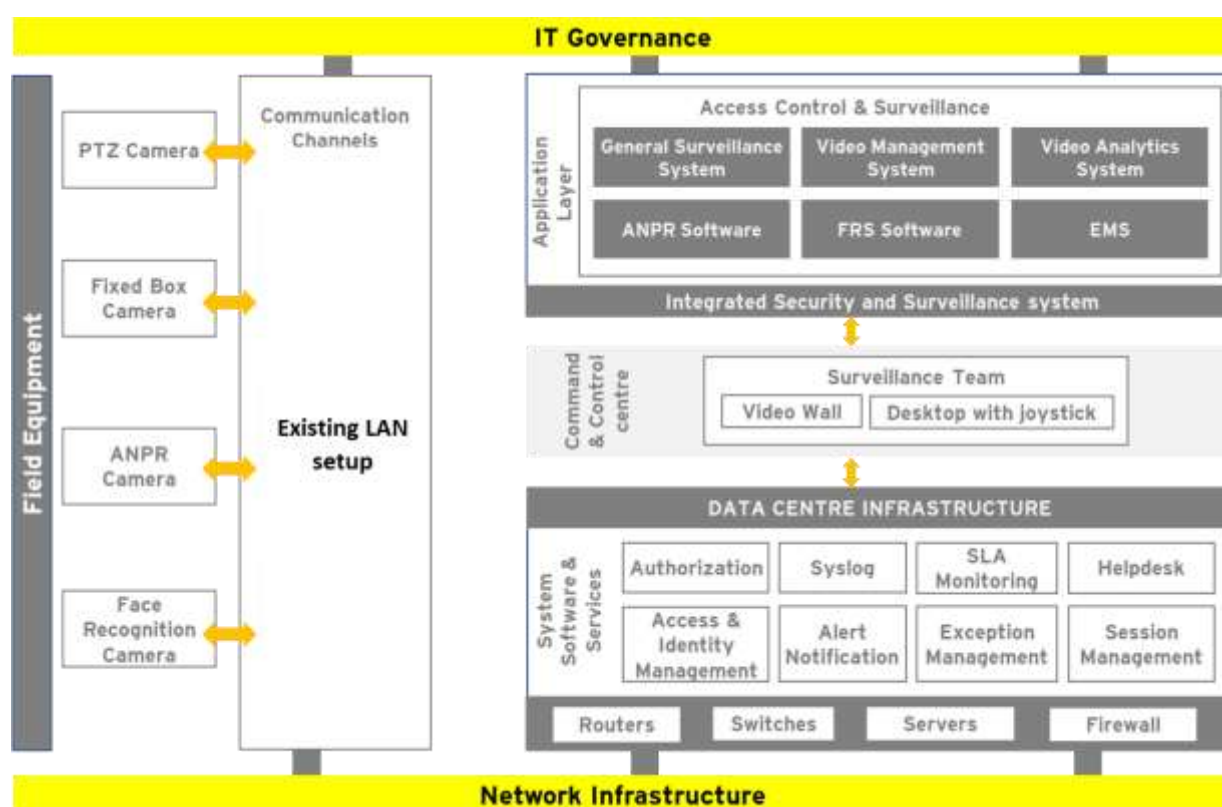
the point of safety and security will help identify any abnormal activity by transmitting real-time video feeds from such locations. The captured data would then be mapped and compared with a database containing details of suspicious vehicles/criminals involved in any type of criminal activity.

The architecture envisages the clips and alerts from the Access Control system and video feeds of the surveillance camera system installed at the strategic locations within the limits of ICP to be stored at data centre located at the Command Centre. The video feeds from the data centre would then be fed to the Command Centre for viewing, processing, and video analytics. The video feeds would be viewed on the monitor and video wall installed at the Command Centre. The Command Centre system will be fully integrated with upgraded software for video intelligence platforms and generate actionable information and alerts.

The project shall be under the aegis of the Land Ports Authority of India. LPAI shall identify Service Provider through competitive bidding on evaluation of both Technical and Financial suitability of the solution proposed by the service provider for providing the complete solution involving but not limiting to hardware, software, maintenance and workforce to make the system complete in all aspects.

3.2 Solution Overview of Access Control System & Surveillance System

The Access Control system and IP based CCTV Surveillance system, which is to be deployed by the service provider has been classified into the below mentioned components.



The solution should be designed considering the high-level architecture and design principles mentioned in this RFP.

The following section presents the overall solution architecture and description of the components shown in the design diagram provided below. The Service Providers are required to propose a solution which best fits the requirements considering the following indicative architecture diagram.

3.2.1 Access Control System

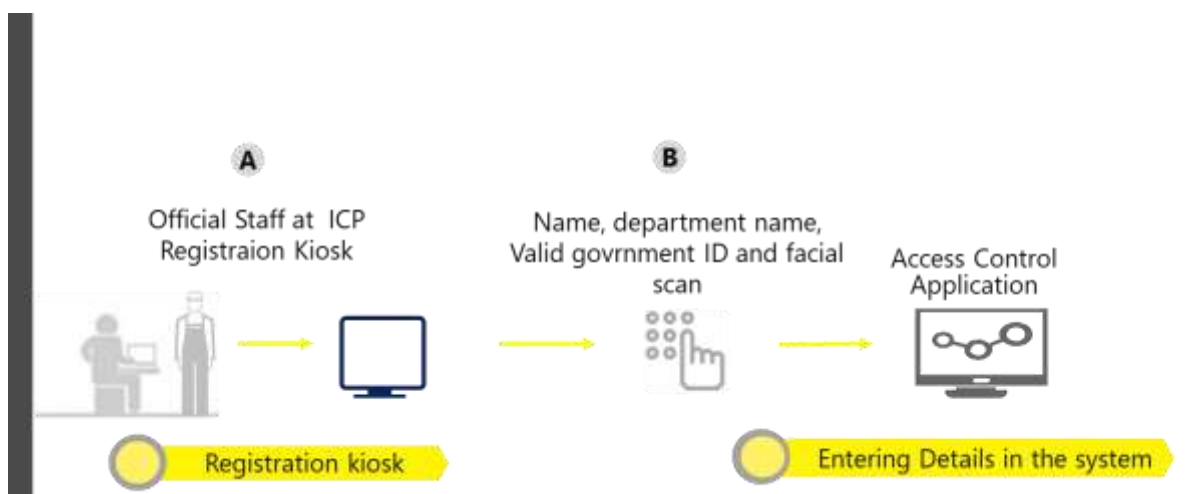
The Access Control System will consist of FRS cameras, ANPR cameras, access gates for pedestrian entry and boom barriers for truck entry to be installed at the main entry gate of ICP Attari. The system will be primarily used for the entry of the ICP Official/staff and workers working at the ICP and the transporters(driver) coming in the truck carrying the goods for trade related purposes. The FRS cameras, ANPR cameras, Access Gates & Boom barriers will be integrated with Access Control application, whenever any ICP official/staff or worker reaches the ICP entry gate, they will verify themselves through FRS camera and post successful verification the access gates will be opened to allow them to enter into the ICP premises. In case of entry of truck and the driver the FRS camera will capture the image of the driver and the ANPR camera will capture the vehicle registration number, post successful capturing the details the boom barriers will get opened to allow them to enter the ICP premises. The Access Control application will have the following features to be envisaged for the use at ICP Attari:

- To blacklist or block any person from entering the ICP premises.
- Real-time alerts will be generated if any blacklisted or unauthorized person tries to enter the ICP premises.
- The system will allow the administrator to have a consolidated and centralized database will be therewith movement details of all the authorized people entering at the ICP
- Seamless data transfer with external systems and the following standards shall be implemented
 - XML messages using SOAP over HTTPS
 - XML Web Services
- After Land Port Management System of LPAI is implemented, the system should have the capability to verify the vehicle registration no. listed in LPMS application with the actual vehicle registration number.
- Land Port Management System of LPAI shall be able to access the information desired from the Access Control and surveillance system

The whole process of the Access Control System will be divided into two processes by which a person or truck will be allowed to enter the ICP. The two process are Registration and Verification at the ICP.

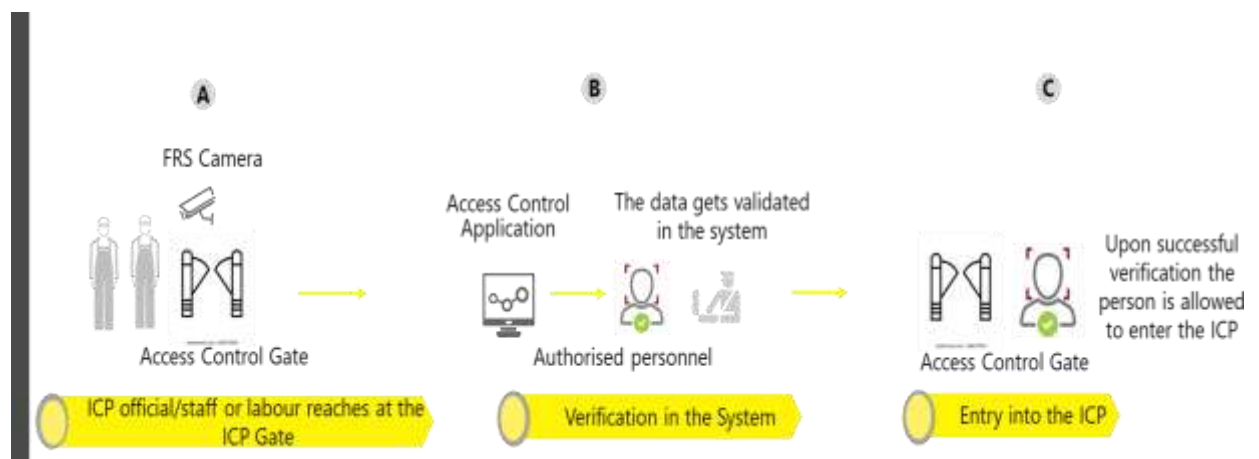
The below diagram depicts all the processes in detail explaining and every step of both processes of the Access Control System.

1. Registration of ICP official/staff & Labors



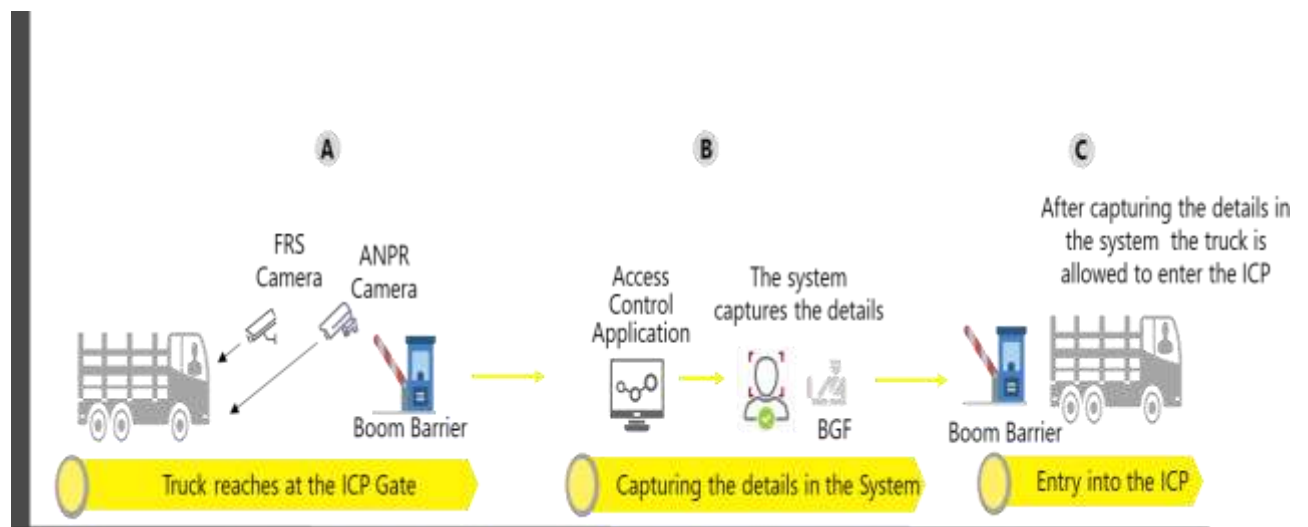
- The ICP officials/ staff and labors will register themselves at the registration desk located at the main entry gate of the ICP, where the infrastructure consisting of a desktop, facial Scanner and the document scanner will capture all the details in the system.
- The name, employee ID, department name, Valid government ID, facial scan would be entered into the system by the authorized personnel.
- The authorized personnel will validate all the information in the system application and accordingly the confirmation would be given to the registered candidate.
- In case of any discrepancy, the authorized personnel system will check the same in the system, post which it will be verified at the registration desk.
- In case of any person visiting the ICP premises the first time, then he/she must register themselves at the registration desk located at the entry gate of the ICP Attari.
- The service provider will have to setup the registration desk at the main entry gate of the ICP Attari, the purchaser party will provide the space to set up the registration desk, where the Border guarding force along with the operator will be there at the registration desk.

2. Verification of ICP official/staff and labors at ICP Attari



- Upon reaching at the ICP gate, the pedestrian (ICP official, staff & labors) will stand in front of the FRS camera mounted towards them for the screening of their facial scan
- Upon successful verification the Access Control gates will be opened, and their name and photo will be flashed on the screen located just above the pedestrian access control gate to enter the ICP.
- In case of any error, the system will notify the authorized personnel, who will check the same in the system.
- If the person entering the ICP is not authorized or blacklisted in the system, an alert will be generated to restrict the person from entering the ICP.
- For the ICP official/staff coming at the ICP with their two/ four-wheeler at the ICP, the FRS camera installed at the vehicle entry gate will be used to verify their details in the system.
- **There would be the case of Exceptional Handling:** In case the access gates do not work, the entry of the ICP official/Staff/labours will be through manual gate at ICP.

3. Verification of Truck and Driver at ICP Attari



- Upon truck reaching at the ICP gate the FRS Cameras will be placed towards the truck driver for facial scan and the ANPR cameras will be placed towards the number plate of the truck
- Upon entering the ICP, the FRS cameras will capture the facial scan of the truck driver and the ANPR camera will capture the no. plate of the truck in the system.
- After capturing the details of the truck and its crew, the boom barriers will be automatically opened for entry.
- If the truck or the driver entering the ICP are not authorized or blacklisted from entering in the ICP, the alert will be generated to restrict the truck from entering the ICP
- **There would be the case of Exceptional Handling:** In case the boom barriers do not work, the entry of the truck and the driver will be done manually.

Along with registration desk at the entry gate, a monitoring desk will also be there to monitor the entry of vehicle and pedestrian through Access Control application. The space and the place to setup the monitoring desk and registration desk will be finalized after discussion with the LPAI officials.

3.2.2 Surveillance System

The core of system design for the CCTV Surveillance system at ICP Attari for LPAI shall be the feeds from surveillance cameras, installed at the various location in the ICP. The cameras (Fixed/FRS/PTZ/ANPR) and related components shall be placed after a thorough assessment at the identified locations. The cameras would be connected to the Command & Control Centre through secured network (existing LAN).

At present, the current infrastructure installed at the ICP are listed below:

- Spread over a total area of 120 acres, all the critical areas are covered by the Cameras.
- Poles of approx. 3 to 5 meters are used for installing cameras at the Open locations of the Premises.
- Cameras installed in the buildings and godown areas are wall mounted. Different types of IP Cameras (PTZ, Fixed box, Dome and Panoramic) are already at the ICP premises
- UPS with a battery bank are installed at the existing data center. The same is used to supply the cameras in the case of a power cut.
- Availability of network (LAN) and Fibre at all the locations.
- Junction Box along with Switches and LIU module etc. are also available
- Video analytics application is not installed in any of the existing set of cameras.

The table below depicts the existing surveillance system which is already in function at ICP Attari:

S.No.	Camera Location	Dome Camera	Box Camera	Panoramic Camera	PTZ Camera	Total
1	Zero Line		3			3
2	NH Gate		2			2
3	Centre Gate				1	1
4	FRP		1			1
5	Export Gate		1			1
6	Loose Cargo		1		2	3
7	Godown 1 front				3	3
8	Godown 1 back				3	3
9	Godown 2 front				3	3
10	Godown 2 back				3	3
11	Godown 3			1	3	4
12	Weighbridge QRT				1	1
13	Cargo Building	8	2			10
14	SRP				1	1
15	Pak Jatha	2				2
16	Indian Jatha	2				2
17	ICP Main Gate Entry/Exit		2			2
18	ICP Main Gate Circle				1	1
19	Substation				1	1
20	Passenger Terminal Corner			4		4
21	Passenger Terminal 1st floor	6				6
22	Passenger Terminal Incoming	19				19
23	Passenger Terminal Outgoing	23				23

S.No.	Camera Location	Dome Camera	Box Camera	Panoramic Camera	PTZ Camera	Total
24	Passenger Terminal4 Gates		4			4
Total		60	16	5	22	103

The areas covered by the existing set of surveillance cameras are given in the table below:

S.no	Type of Camera	Location	No. of Cameras
1	Fixed	Outer Area	16
2	PTZ	Outer Area	22
3	Dome	Inside Building Area	60
4	Panoramic	Outer Area	5

With reference to the above two tables, the existing cameras are installed at various places in the ICP. The existing cameras have no analytics features embedded in it. In this project the existing cameras excluding the 60 cameras inside the building area, will be replaced by new cameras. Further, the SI shall install new cameras as per the table given below. These cameras shall be able to run edge analytics/ server analytics and will be used for alert-based monitoring for better decision making for the border guarding force viewing from the command and control centre. The table below lists out the different zones where new sets of cameras will be installed. However, at the time installation, it's the responsibility of the service provider to finalize the locations in discussion with LPAI officials and borderguarding force at ICP Attari.

S.no	Zones	Type of new cameras to be installed					Camera installation details
		ANPR	FRS	Dome Camera	Fixed Camera	PTZ Camera	
1	Main Entry & Exit Gate	2	2				<ul style="list-style-type: none"> Two FRS cameras, one in each lane at the main entry gate to capture the image of the people coming and going in vehicles Two ANPR cameras, one in each lane to capture the number plate of the incoming and outgoing trucks
2	Indian Passenger Entry	2			1		<ul style="list-style-type: none"> Two ANPR cameras to capture number plates of incoming and outgoing vehicles 1 fixed camera for general surveillance
3	2 nd Entry & Exit Gate	2	4				<ul style="list-style-type: none"> 2 FRS camera in each lane for entry and exit of pedestrians 2 FRS cameras in each lane to capture face of driver in vehicles

S.no	Zones	Type of new cameras to be installed					Camera installation details
		ANPR	FRS	Dome Camera	Fixed Camera	PTZ Camera	
							<ul style="list-style-type: none"> 2 ANPR cameras in each lane to capture number plates of incoming and outgoing vehicles
3	Centre Gate (near the Pakistan Side)		2		2		<ul style="list-style-type: none"> Two fixed cameras to capture photo of number plate of Pakistani truck Two FRS at Centre gate (near the trade gate)
4	Road from Centre gate to PTB				2		<ul style="list-style-type: none"> Two fixed cameras for surveillance
5	Rummaging Area (Indian Side)				1	1	<ul style="list-style-type: none"> One Fixed & PTZ camera to view the movement at the rummaging area
6	Cargo Open Area				2	2	<ul style="list-style-type: none"> Two Fixed cameras & two PTZ cameras to view the movement at the cargo open area
7	Gypsum Area				1	1	<ul style="list-style-type: none"> One Fixed and one PTZ camera to view the movement at the Gypsum area
8	Indian Truck exit area after loading and unloading				1	1	<ul style="list-style-type: none"> One Fixed and One PTZ camera to view the truck movement at the Indian Truck exit area after loading and unloading
9	Go-down Area			20			<ul style="list-style-type: none"> 20 dome cameras to monitor and alert for pilferage
10	New Parking					3	<ul style="list-style-type: none"> 3 PTZ cameras for general surveillance
11	Periphery of ICP					8	<ul style="list-style-type: none"> 8 PTZ cameras to monitor intrusion activity
Total		6	8	20	10	16	60

Note: With reference to the ANPR camera to be installed at the exit gate of the ICP Attari, as per the present covid scenario, the entry & exit of the truck is from the same gate (main entry gate). Once the operation gets back to normal at the ICP, the service provider will have to do the changes accordingly.

Replacement of 43 existing cameras is to be done at the following locations

S.no	Type of Camera	Location	No. of Cameras
1	Fixed	Outer Area	16

S.no	Type of Camera	Location	No. of Cameras
2	PTZ	Outer Area	22
4	Panoramic	Outer Area	5

The bidder is required to replace existing 43 cameras and install 60 new cameras as per the tables given above. The bidder is not required to run edge analytics on the existing 60 cameras inside the Passenger Terminal Building.

3.2.3 Command & Control Centre

The Command & Control Centre would be the central location where all inputs from various field devices would converge, and it would send out the information to all the output devices. The data once received at the Control Station will be analyzed and managed through applications for analysis, reporting and decision making. The Command & Control Centre will be able to provide complete situational awareness on ground, covering the FRS access control, overall surveillance cameras, readiness status, vehicle movements, open incidents, incident management, etc. The control station will monitor, manage, and disseminate alerts and information from all the disparate video and security systems. The CCC will also conduct intelligent video analytics processing and third-party data mining analysis on real-time basis. All the feeds and data coming from the Access Control and Surveillance system will be visible and accessible at the Command & Control Centre for any decision-making purpose for the border guarding force deployed at the Command & Control centre of ICP Attari.

At present Command and Control Centre is already located on the first floor of the passenger terminal building of ICP Attari to monitor the 103 Nos. of existing cameras. The existing infrastructure present at the CCC is listed as below:

- Command & Control Centre is built in an area of ~ 1120 Sq. Ft with all requisite infrastructure available.
- 10 Nos. Televisions (LCDs) are installed at the CCC for the monitoring of the Video Feeds.
- 05 workstations without monitors are installed for onsite agents.
- Approx. 02 agents and BSF Agents are deployed in the CCC.
- UPS with required backup is installed at the Data Centre
- Network bandwidth to connect with existing Command & Control Centre
- No video analytics is being used, and the cameras are used for general surveillance
- No other Software like EMS, ICCC, etc. are in use at present.
- 2 Tables and 2 Chairs are placed at the CCC for the Operators. Moreover, the same quantity of tables and chairs are placed for BSF.
- 2 Joysticks are placed for the movement of the PTZ Cameras.
- The current VMS is installed for the monitoring of the Cameras. However, the same is a very Basic only have viewing capability.
- Lack of Equipment like ACs, Access Control Systems, Indoor Surveillance CCTV, etc.

However, for this project the existing CCC lacks the adequate infrastructure, the requirement to upgrade the current infrastructure is required for the new system to function smoothly. The renovation and enhancement of the existing CCC will be done by the Service Provider as listed below:

- The existing Command and Control Centre building infrastructure shall be utilized
- A video wall along with the software shall be installed to monitor the cameras.
- 04 workstations with 02 Monitor support each shall be installed for onsite agents.
- 04 Joysticks shall be installed to operate the PTZ Cameras.

- 02 Dome Cameras shall be installed in the CCC to monitor the internal activities.
- 01 Helpdesk system for EMS shall be set up to monitor all IP devices.
- Network bandwidth to connect with Command & Control Centre
- Video analytics shall be used for the real-time alerts from all the camera
- Command & Control Centre software shall integrate existing cameras as well as installed new cameras .
- Video Summarization Software shall be installed at all the cameras to shorten the footage in any emergency. Also, this software allows extracting the object/people of interest in a few minutes of video.
- Enterprise Management Software shall be installed at CCC to monitor all IP devices from a single place and calculating SLAs based on the same.

3.2.4 Data Centre

The data centre site shall be capable to serve 100% of the access control system and surveillance cameras installed and all other server-side equipment's as mentioned in the RFP scope.

The data centre for the existing surveillance system has been setup behind the CCC. The current data centre is equipped with the following infrastructure as listed below:

- Accessories Server
- Secondary Server
- Primary Server
- Secondary Storage
- Primary Storage
- Cable Manager
- Secondary and Primary Switches
- Core & PoE Switch
- 24 Port and 12 Port LIU
- At present, the video retention storage capacity is of 10 to 15 days and NAS storage is used for the retention of the Video Feeds.
- All the equipment is placed in rack, 5 KVA UPS with batteries are placed in the data center which can be used to power the Cameras, CCC, and DC in case of any Power cut.
- A 1000 Base Module is used, which covers 10 Km of radius. The storage is of 32tb in use for the existing Cameras and the data center is also acting as the aggregation point or PoP.

For this new project, the existing (above mentioned) hardware will be replaced by new hardware

- The video retention of 10 to 15 days at present shall be increased to 45 days, and the archival of the alert data shall be retained for 90 Days period.
- The bidder shall propose new NAS Storage hardware for the overall solution.
- New Racks shall be provisioned for the installation of new servers.
- One Workstation shall be installed in DC to monitor and configure the Servers.
- The existing data center is also acting as the aggregation point or PoP. Therefore, the same aggregation point shall be utilized for the proposed solution implementation.

3.2.5 Surveillance Applications

This component shall include all the necessary applications required for the project such as Video Management System, Video Intelligence, Incident Management, Data Analytics, FRS System, etc. Project's requirements from the applications are provided in the Functional Requirement Specifications and Technical Requirements in this RFP.

3.2.6 Network Infrastructure

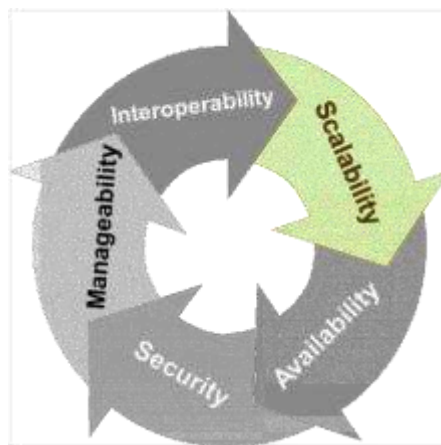
The whole system will be connected via Local Area Network (LAN) to the data centre and command & control centre. Currently, 06 core and 12 core fibre has been laid down at ICP Attari. All the exiting cameras are connected via fiber through the LAN network. The LIUs are installed at data centre and field level to terminate the fiber. The Command & Control centre is connected with DC via Cat 6 Cable.

As a part of proposed solution, the Bidder shall consider existing LAN backbone for all the Cameras.

3.3 Solution Design & Architecture

Technical solution shall cover the following component

This section describes the overall architecture and defines the standards that must be implemented to deliver a robust Access Control and IP based video surveillance system for effective and efficient operations and monitoring of emergencies at the ICP during any emergency.



3.3.1 Scalability

Important technical components of the architecture must support scalability to provide continuous growth to meet the growing demand of the Project. The system should also support vertical and horizontal scalability so that depending on changing requirements from time to time, the system may be scaled upwards. There must not be any system-imposed restrictions on the upward scalability in number of cameras or other edge devices. Main technology components requiring scalability are storage, bandwidth, computing performance (IT Infrastructure), Software/application performance and advancement in camera features.

3.3.2 Availability

The architecture components should be redundant and ensure that there are no single points of failure in the key solution components. Considering the high sensitivity of the system, design should be in such a way as to be resilient to technology sabotage. To take care of remote failure, the systems need to be configured to mask and recover with minimum outage. The Bidder shall make the provision for high availability for all the services of the system. Redundancy has to be considered at the core / data centre components level.

3.3.3 Security

The architecture must adopt an end-to-end security model that protects data and the infrastructure from malicious attacks, theft, natural disasters etc. Successful Bidder must make provisions for security of field equipment as well as protection of the software system from hackers and other threats. Using Firewalls and Intrusion Prevention Systems such attacks and theft should be controlled and well

supported (and implemented) with the security policy. The virus and worm attacks should be well

RFP for Access Control System & IP base Surveillance System at ICP Attari

defended with gateway level Anti-virus system, along with workstation level Anti-virus mechanism. There should also be an endeavour to make use of the SSL/VPN technologies to have secured communication between Applications and its end users. Furthermore, all the system logs should be properly stored & archived for future analysis and forensics whenever desired.

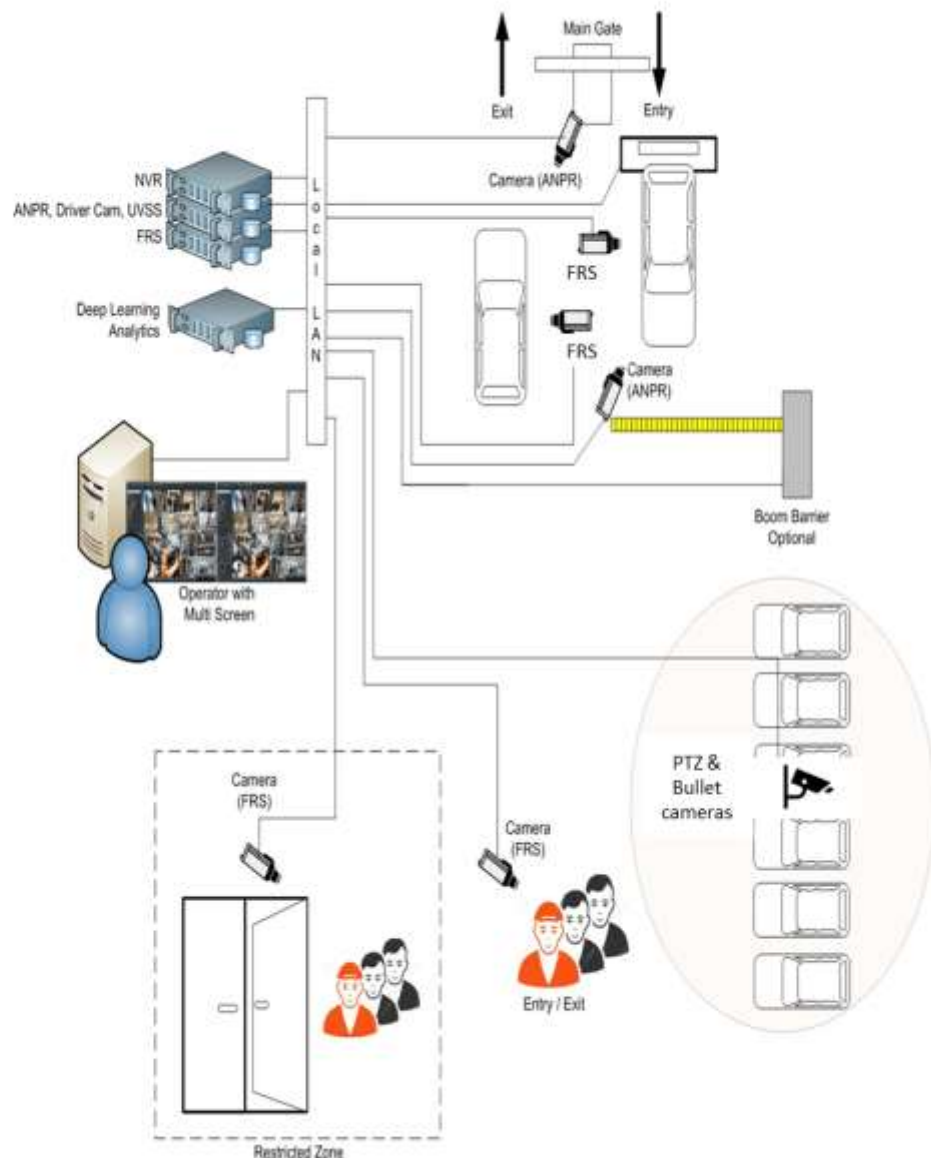
3.3.4 Manageability

Ease of configuration, ongoing health monitoring, and failure detection are vital to the goals of scalability, availability, and security and must be able to match the growth of the environment.

3.3.5 Interoperability

The system shall have integration capabilities between various IT systems as indicated in scope of work. Systems should use open standards and protocols to the extent possible.

3.4 Descriptive Project Overview



3.5 Application Layers for Command & Control Centre

AI based analytics, Dashboards and EMS, etc. enable administrators to get a holistic view of ICP conditions and make informed decisions. The database of various infrastructure such as access control, surveillance camera, etc. coupled with data from alerts / analytics engine etc., gets routed from this layer.

3.5.1 Incident Management System

An Application that works seamlessly with the Platform and provides a rich GUI based Web Console through the Operators can monitor and operate the various ICP services intelligently and efficiently.

- The Platform interfaces with Industry Standard Video Management Systems, Video Analytics and Unified Communication System.
- The operator client software enables ICP operations to be carried out and covers visualisation of the various alarms, create incident and execute Standard Operating Procedure (SOP).
- Alarm Management System to provide the details about each alarm received from the various sub-systems integrated. This alarm will be notified to the operator as visual pop-up with audio.
- Alarms will be grouped into categories for ease of use and visualization based on the alarm source.
- Alarm management screen will provide the operator details regarding the source of the alarm, type of alarm, generated time, priority and elapsed time to take the appropriate action.
- The system provides advanced map & video visualization for situation awareness. Based on the situation, operator can create the Incident or abandon the alarm by providing comments.
- The module provides an easy use GUI that is simple to operate. Operator can view various types of alerts in a single place and validate the alerts for further processing.
- The incident management sub-system integrates all the alarms and provides an easy-to-use GUI interface (web & client server) for Control Station operators to get complete situational awareness of all the data & video relating to the alarms, create Incidents, execute
- SOP Execution - Based on the incident type system will open up the activities need to be carried out for the incident. Mainly the SOP will provide the actions like notification, correlate, investigate and close incident. This activity defined in the administrator system for each type of incident.

3.5.2 Access Control System

The Access Control software should be robust system which functions smoothly in inflow of people at the ICP. The system must alert and not allow all the unauthorized entry into the ICP. It will record all the data of all the people entering into the ICP and also the number of people who were not allowed to enter into the ICP. The system to also have the feature to blacklist the any person to not allow to enter into the premises.

3.5.3 AI based Video Analytics

There are many cameras to be installed for Access Control and Surveillance that are being installed but cannot be closely monitored throughout the day. Since events are more likely to occur while the operator is not watching, many significant events go undetected, even when they are recorded. Operators can't be expected to trace through hours of video footage, especially if they're not sure what they're looking for. To address that, the solution shall have an AI based video analytics system, coupled with alert engine, which will utilize deep learning algorithms to provide the necessary analytics and proactive alerts to the stakeholders. The system will also have a continuous learning capability which helps in updating the existing data models and creations of new data models for use in video analytics/event detection.

The requirement AI techniques is very much essential for predictive analytics to address any crime is commenced by offenders. A key component in creating, launching, and implementing an analytics process is adopting a systemic approach to AI deployment. AI works on the given data sets and machine learning or deep learning technique.

3.5.4 SMS/ WhatsApp gateway:

The Solution should have the capability to alert the users either through SMS/ WhatsApp notification to the relevant stakeholders in case of Severity Level 1 and 2 in real time. SMS/WhatsApp gateway will be provided by the service provider. The Service Provide shall arrange all the subscription/ Licenses required

3.5.5 Machine Learning

The Machine Learning technique in Artificial Intelligence is rapidly advancing in the field of data science, it brings the capabilities to identify any structure in the streaming video based on use case / given data sets. The self-learning algorithms use data sets to understand how to identify suspicious people/objects based on their behaviour. The below listed features describes the advantages of deep learning.

- The solution should be implemented for crowd controlling, head/face detection, face recognition and verification, real-time anonymization, gender and age estimation, person re-identification, and tracking. For example: in case the crowd gathering/physical assault or too many vehicles gather at one place at the premises then cameras installed should have the capability to identify and generate the alarm at the Command & Control Station
- The solution should be implemented to identify if any blacklisted person tries to enter into the ICP premises then the cameras installed at the ICP should have the capability to identify and generate the alarm at the Command & Control Centre.
- The solution should be implemented where the ANPR Camera can accurately identify the standard English number plates of the trucks. Furthermore, the ANPR cameras should be enabled to capture the photo of number plates in different languages such as Hindi, Urdu, Punjabi, etc.
- The solution should be implemented to identify the unnecessary movement near the godown area in the night in ICP premises.
- Apart from the above listed tentative scenario-based cases, the service provider should finalize all the scenario-based cases required for alert-based monitoring in discussion with the ICP manager and border guarding force.
- The type and number of analytics to be used per camera installed at various location across the ICP will be finalized after discussion with the LPAI officials and Border guarding force at ICP Attari.
- All the above listed use cases feed shall be divided into three severity incidents level as per requirement of LPAI officials and Border Guarding Force located at ICP Attari, the level of severity levels is given in the below table:

Severity Level	Description	Real time feed escalation	Real time Alert escalation Via SMS/WhatsApp
1	A critical incident with very high impact	ICP manager and Command & Control Centre	LPAI headquarters, ICP manager and Command & Control Centre
2	A major incident with significant impact	ICP manager and Command & Control Centre	ICP manager and Command & Control Centre
3	A minor incident with low impact	Command & Control Centre	Command & Control Centre

3.5.6 Video Management System

The Video Management System is the heart of the entire video surveillance solutions, accepting video from cameras, storing the video, and managing distribution of video to viewers. The software solution shall highly scalable and flexible video systems that are easily managed and monitored.

Video Management Application addresses head-on the challenges of ICP video surveillance & security. VMS shall provide unmatched camera portability and flexibility with intuitive intelligence.

With the help of VMS, Operators won't have to spend valuable time searching through hours of unnecessary recordings looking for a particular incident, the video images are stored in the system and referenced in the VMS database, from where they can be quickly located and viewed using advanced search capabilities. Viewing of feeds shall primarily be on remote PC viewing at Command & Control Centre.

3.5.7 Enterprise Management (EMS)

The Enterprise Management System (EMS) is an important requirement of this Project. Various key components of the EMS are:

- SLA & Contract management System
- Network Monitoring System
- Server Monitoring System

Proposed EMS Solution shall be based on industry standard best practice framework such as ITIL etc. Furthermore, all ICT and non-ICT components shall be compliant and integrated with the EMS.

3.5.7.1 SLA and Contract Management System

The SLA & Contract Management solution should enable LPAI to capture all the System based SLAs defined in this tender and then calculate quarterly (or for any duration) penalty automatically. Measuring service performance requires incorporation of a wide variety of data sources of the Surveillance project. The SLA solution should support the collection data from various sources in order to calculate Uptime / Performance / Security SLAs.

3.5.7.2 Server Management System

The proposed tool must provide information about availability and performance for target server nodes. The tool should be able to monitor various operating system parameters such as processors, memory, files, processes, file systems, etc. where applicable. The solution should provide a unified web-based console and system shall integrate with SLA & Contract Management system in order to supply KPI metrics like availability, utilisation, and performance in order to measure central SLA's and calculate penalties.

3.5.8 Video Synopsis/summarization Tool

In Surveillance project, surveillance personnel have to pore over hours of video footage, to track down the movements of an individual (of interest) or the motion of an object (of interest) during a target period. And, as the number of cameras in the surveillance network increases; so, does, exponentially, the time spent by the surveillance personnel reviewing the footage.

Viewing and analysis of recorded surveillance video are still time-consuming and labour-intensive tasks, despite the adoption of video analytics practices and tools in video surveillance networks. A video analytics tool can raise an alert against a set of defined, and potentially illegal, activities; but, once flagged off, reviewing the progress of the individual/object that set off the alert, through the recorded footage, is a manual and tiresome process.

3.6 Descriptive Field Infrastructure

This section of the RFP covers planning & implementation of the FRS Access Control System, surveillance cameras and other field equipment at identified locations. Actual place for placement of FRS Access Control Cameras & Gates, pole & number of cameras at each location, type of cameras, fixation of height & angle for the cameras to ensure maximum coverage would be done in discussion with the LPAI.

- A detailed survey shall be conducted by the Service Provider along with the team of LPAI of ICP Attari.
- The survey shall finalize the location of the FRS Access Control and Gates to be installed at the MainEntry Gate and Admin block of the ICP.

- The survey shall finalize the orientation / field of view and the position of all field equipment. Appropriate field of view snapshot shall be taken by a handheld camera for future reference at the time of survey.
- The surveyors shall also finalize the approximate location of foundation for Outdoor Enclosure and camera poles.
- The route for all the underground cable laying shall be finalized during this survey.
- Every detail finalized during the survey, shall be demarcated on an AutoCAD drawing by the Service Provider and submitted to LPAI in the form of a detailed site survey report along with other details for its approval.

System should provide inter-operability of hardware, operating system, software, networking, printing, database connectivity, reporting, and communication protocols. Service Provider shall prepare the detailed report for field level requirements e.g. FRS Access Control Cameras & Gates, Surveillance Cameras (types & numbers), Camera Mounting requirements, Power Requirements, Connectivity Requirements, etc. for perusal of LPAI. Indicative list of the field level hardware to be provided by Service Provider is as follows:

- FRS Access Control Cameras and Gates
- Cameras: Fixed, PTZ, ANPR, FRS, Dome
- IR Illuminators (based on requirement) (Internal or External)
- Managed Switches
- Pole for cameras / Mast
- Junction Box / Enclosure
- Networking and power cables and other related infrastructure

The indicative list of locations of the IP PTZ/ Fixed Cameras are given in the RFP along with minimum technical requirements of associated hardware to make a complete surveillance system. However, Service Provider conduct a detail assessment of all locations and prepare a detail list of required components. The Service Provider shall submit the assessment report and equipment list to LPAI.

3.6.1 Installation of surveillance cameras

The service provider shall supply, installation, testing and commissioning of the surveillance cameras at the identified locations. Specifications for the cameras and poles are given in Technical Specification of this RFP.

Service Provider should follow the industry best practice during the implementation w.r.t positioning and mounting the cameras. Some of the checkpoints which need to be adhered to by the service provider while installing / commissioning cameras are as follows:

- i. Ensure surveillance objective is met while positioning the camera such that the required field of view is being captured as finalized in primary survey.
- ii. Ensure camera is protected from the on-field challenges of weather, physical damage and theft.
- iii. Make proper adjustments to have the best possible image / video captured.
- iv. Ensure that the pole is well placed for vibration resistance adhering to the Road safety norms.
- v. Collusion preventive barriers around the Outdoor Enclosure & pole foundation in case its installed in collision prone place.
- vi. The FRS cameras shall be placed in such a manner that the checking done by border guarding forces at the entry gate shall be in the FoV of the camera

The list of new cameras to be deployed at the ICP at various locations are given in section 3.2.2

3.6.2 Installation of Access Control System

The service provider shall supply, installation, testing and commissioning of the access control system at the identified locations. Specifications for the access control system are given in Technical Specification of this RFP. The access control system must be FRS/ ANPR based.

Service Provider should follow the industry best practice during the implementation w.r.t positioning of the access control system. Some of the checkpoints which need to be adhered to by the service provider while installing / commissioning the system are as follows:

- i. Ensure the objective is met while positioning the system such that the entry/ exit requirements are being captured as finalized in primary survey.
- ii. Ensure the system is protected from the on-field challenges of weather, physical damage and theft.
- iii. Ensure that the system is well placed adhering to the Road safety norms.

The list of access control systems to be installed is as follows:

S.no	Zones	Type of access control systems		
		K 4 Boom Barrier	Non crash rated Boom Barrier	Flap Barrier
1	Main Entry & Exit Gate	2		
2	2 nd Entry & Exit gate		2	2
3	Passenger Gate Indian Side		2	
4	Centre Gate (near the Pakistan Side)	2		
Total		4	4	2

3.6.3 Installation of Poles/Cantilevers/Gantry

- i. The service provider shall ensure that all the installations to be as per the requirement of the purchaser.
- ii. For installation of various types of Surveillance Cameras, the service Provider shall provide appropriate poles & cantilevers and any supporting equipment.
- iii. The service provider shall supply, install, configure, testing, commission and integrate the surveillance cameras at the identified locations.
- iv. Service provider shall ensure that the poles erected to mount cameras are good, both qualitatively and aesthetically

- v. Service provider shall follow the industry best practice while positioning and mounting the cameras and ensure that the pole / mast implementation is vibration resistant.
- vi. The poles shall be installed with base plate, pole door, pole distributor block and cover.
- vii. Base frames and screws shall be delivered together with poles and installed by the Service Provider.
- viii. In case the cameras need to be installed besides or above the signal heads, suitable stainless-steel extensions for poles must be provided and installed by the service Provider, so that there is clear line of sight.
- ix. The service provider shall be responsible to perform the required structural analysis regarding the regulated load conditions and considering the respective wind velocity while installing the poles / cantilevers for surveillance cameras or related equipment.
- x. Poles and cabinet shall be so designed that all elements of the field equipment can be easily installed and removed.
- xi. The service provider shall ensure the physical look of the installation area returns to neat & tidy conditions, after installation of the poles, cantilevers, etc. The placement shall be designed keeping in mind that the normal flow of vehicular traffic and pedestrian movement are not disturbed.

3.6.4 Installation of sample site

The service provider shall complete the installation work at the first location after award of contract in each category (Main entry Gate, Trade Gate, Rummaging area, parking area etc.) from all the aspects and then request LPAI to conduct a detailed assessment of all the quality parameters that it expects at the site.

Following aspects shall be assessed thoroughly:

- i. Quality of concrete foundation made for erecting Poles and Outdoor Enclosure.
- ii. Quality of Poles and Outdoor Enclosure erected at site.
- iii. Quality of resurfacing of the cut roads and pavements.
- iv. Placement of relevant equipment like network switch, UPS inside the rack.
- v. Electrical Earthing of the Outdoor Enclosure and Poles.
- vi. Structured cabling standards inside the Outdoor Enclosure.
- vii. Cabling from the Outdoor Enclosure to the poles to be completely covered
- viii. Labeling of the entire infrastructure inside the rack and all the poles and cameras at the junction site for ease of maintenance.

A Site visit report shall be prepared and presented to the user covering all the observations. The same shall be vetted by LPAI or other stake holders involved in this project and changes if any suggested shall be highlighted.

The service provider shall ensure the observations/ changes suggested by all stake holders of this project shall be incorporated for the first site and incorporated for all locations. Due verification of the same shall be done at the time of User Acceptance of the project.

3.6.5 Outdoor Cabinets / Junction Box / Enclosure

- i. Each intersection shall be fitted with outdoor cabinets dimensioned to host all equipment necessary to operate surveillance systems as defined in this RFP.
- ii. The service provider shall reserve additional room availability in the cabinet to accommodate the future system requirements
- iii. The size of outdoor cabinet / Enclosures shall be enough to accommodate all the system components, which might be installed. The cabinet / Enclosures shall be dustproof and impermeable to splash-water. It must be suitable for outdoor environmental conditions. It shall have separate lockable doors for:
 - **Power cabinet:** This cabinet will house all power supply and power management equipment.
 - **Control cabinet:** This cabinet will house all data processing and network field components at that location e.g. Switch, LIU etc.

- iv. Internal cabling of cabinet shall be designed for an easy connection and disconnection of the equipment and power
- v. The cabinets shall be of robust construction and shall include security-locking mechanisms to prevent unauthorized access to the field equipment
- vi. Temperature and Humidity Control: All enclosure compartments shall be equipped with a natural convection air circulation system via the provision of air circulation filters which shall require no maintenance, and which shall allow the free circulation of air inside the enclosures, to prevent overheating as well as the build-up and effects of humidity and heat, without permitting the entry of elements which might endanger system operation.
- vii. The service provider shall ensure all the hardware to be placed inside the outdoor enclosures can withstand temperatures prevalent in outdoor condition throughout the year.

3.6.6 Civil and Electrical Works

- i. The service provider shall carry out all the civil work required for setting up all the field component of the system including:
 - Preparation of concrete foundation for MS-Poles & cantilevers
 - Laying of GI Pipes (B Class) complete with GI fitting
 - Excavation of hard / soft soil and backfilling after cabling
 - Chambers with metal cover at every outdoor enclosure, pole and at road crossings
 - Concrete foundation from the Ground for junction box / enclosures
- ii. The service provider shall provide electricity to the cameras through the aggregation point. Since this component has dependency on approval from local authorities, it is recommended that service provider plans this requirement well in advance & submits the application to the concerned electricity distribution agency. The requisite fees if applicable will be borne by the Department.
- iii. The recurring Electricity charges and installation of electric meters will be borne by the Department
- iv. The service provider shall carry out study and identify locations to provide UPS backup. Service provider should provide UPS with minimum 2 hours of backup.
- v. The service provider is responsible for carrying out all the electrical work required for powering all the components of the system
- vi. Electrical installation and wiring shall conform to the electrical codes of India.
- vii. Registration of electrical connections at all field sites shall be done in the name of service provider / LPAI has agreed and finalized in the contract document.
- viii. The service provider shall arrange for alternate or redundant power supply in form of UPS, etc. in case the primary source of power fails for all surveillance equipment as described in the RFP.

3.6.7 Earthing and Lightning Protection

- i. The service provider shall comply with the technical specifications, considering lightning-proof and anti-interference measures for system structure, equipment type selection, equipment earthing, power and signal cable laying. Service provider shall describe the planned lightning-proof and anti-interference measures in the bidding documents.
- ii. Corresponding lightning arrester shall be erected for the entrance cables of power line, video line, data transmission cables, etc.
- iii. All interface board and function board, interfaces of equipment shall adopt high speed photoelectric isolation to reduce the damage to Low Voltage devices due to the surge suppression.
- iv. Install the earthing devices for the equipment, including lightning earthing, protection earthing and shielded earthing. All earthing shall meet the industry standards.
- v. The earthing cable shall be installed in a secure manner to prevent theft and it shall be rust proof. The earthing down lead and the earthing electrode shall be galvanized, and the earthing value shall meet the requirements. Earthing test report shall be produced by the service provider.

3.6.8 Miscellaneous Points

- i. The service provider shall provide all material required for mounting of components such as cameras and other field equipment. All mounting accessories such as brackets for installation of surveillance cameras to enable pan and tilt capabilities, shall be included in the costs of the respective component. The same concerns crossheads and cross arms, mounting brackets, stainless steel bands, screws, and other accessories.
- ii. Excavation, earthing, filling, and ensuring to make the site to its original state will be the responsibility of the service provider including supply and installation of poles, housing & any additional fixtures.
- iii. The service provider shall also get comprehensive insurance from reputed insurance company for the project duration for all the equipment / component installed in this project.
- iv. To safeguard the theft/ accidental damage/ vandalism of any sort. The Service Provider would be needed to keep security measures in his own interest and the cost of same shall be kept in mind while quoting the rates.
- v. The service provider shall provision sufficient storage bank for all the equipment installed in the outdoor locations, CCC and in case the equipment gets damaged/ stolen for reasons whatsoever, service provider should repair/replace the same as per the specified time defined in SLAs at no extra cost to the Purchaser. All such costs to be included in the comprehensive insurance of field equipment for the duration of the contract.
- vi. The storage bank of all equipment should be kept ready to replace items in case of vandalism/ theft/accident etc. The storage bank should be replenished within two weeks' time. A "Storage bank adequately full" certificate shall be enclosed by the service provider at the time of bill payment. The certificate shall be certified by designated official of LPAI.
- vii. Preventive maintenance shall be carried out once in a quarter along with corrective maintenance and when calls are placed by designated official of LPAI.
- viii. The service provider shall offer maintenance of the various equipment, components and installations to a high level of operational integrity for a defined period following the issuance of the Go-Live from client.
- ix. In addition to maintenance during the defined period, the service provider shall be fully responsible for all maintenance activities for the period between installation of equipment and roll-out of the system.
- x. During implementation, if observed that any camera / field equipment requires change or realignment in the field of view / orientation, it should be done by service provider without any extra cost.
- xi. In case of request for change in location of field equipment post installation, the same would be borne by Purchaser at either a unit rate as per commercials or a mutually agreed cost.
- xii. LPAI reserves the right to substitute any item of equipment/ work through any other agency after deducting its risk or cost from the service provider in case of non-performance.
- xiii. In case of any trivial thing missing in the BoQ but required to ensure the functional requirement of any system/ sub-system/ element shall be considered by the service provider and the rates quoted should be complete and comprehensive to deliver the functional requirements as per scheduled technical specifications.
- xiv. The Re-Instatement (RI) charges along with all other fees has to be borne by service provider. However, the ROW charges shall be in scope of the department.

3.7 Descriptive Command & Control Centre

The Command & Control Centre building is primarily be divided into two areas

a) Command & Control Centre area

Command & Control Centre will have 02 operators console with control desk, monitors. etc.

b) Server room

This part of the CCC will host all active and passive component required in the solution like servers, server racks, storage racks, networking component (routers, switches, etc.). Access to this area where the surveillance project IT infrastructure is hosted should be demarcated, and physical access to the place would be restricted for unauthorized access. Only designated officials of LPAI and service provider will have the access based on their role. Indoor Surveillance Cameras shall be installed to monitor and restrict the physical access of this area.

3.8 Maintenance of the site operations

The Bidder shall consider all the items mentioned in the section of site preparation always in working conditions. It is the sole responsibility of the Bidder to install, implement, maintain, operate all the required equipment's, items, inventories till the duration of the project.



To
ITI Limited, MSP-
Delhi
Core-1 Floor-11
Scope Minar
Laxmi Nagar
New Delhi-92

**Subject: Bid Covering Letter against Expression of Interest (EoI) for Installation
of Robust CCTV Surveillance System at a Government Office**

Ref: Tender no. dated

Dear Sir,

Having examined the EoI/RFP/Tender document, we hereby submit our bid for the subject requirement which has emerged from some Government body to implement the above captioned project.

We confirm that the information contained in this response or any part thereof, including its exhibits, and other documents and instruments delivered or to be delivered to ITI Limited is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the Buyer in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the short-listing process, we are liable to be dismissed from the selection process or termination of the agreement during the project, if selected to do so.

We agree for unconditional acceptance of all the terms and conditions set out in the EoI/RFP/Tender document including annexures and corrigendum if any and also agree to abide by this tender response for a period of 6 months from the date fixed for bid opening.

We hereby declare that in case the agreement is awarded to us, we shall submit the Performance Guarantee in the form of bank guarantee in the format to be provided by ITI Limited.

We agree that ITI Limited is not bound to accept any tender response that they may receive. We also agree that ITI Limited reserves the right in absolute sense to reject all or any of the services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization

and empowered to sign this document as well as such other documents, which may be required in this connection.

We understand that it will be the responsibility of our organization to keep ITI Limited informed of any changes in respect of authorized person and we fully understand that ITI Limited shall not be responsible for non-receipt or non-delivery of any communication and/or any missing communication in the event reasonable prior notice of any change in the authorized person of the company is not provided to ITI Limited.

Dated this Day of **2022**

Authorized Signatory

Name:

Designation:

(Company Seal)

Note: To be submitted in Company Letterhead

Bidder's Profile

1.	Name and address of the company			
2.	Contact Details of the Bidder (Contact person name with Designation, Telephone Number, FAX, E- mail and Web site)			
3.	Area of Business			
4.	Annual Turnover in last 3 financial years (Rs in Crore)	2019-20	2020-21	2021-22
5.	IT Turnover in last 3 financial years (Rs in Crore)	2019-20	2020-21	2021-22
6.	Profit / Loss in last 3 financial years (Rs in Crore)	2019-20	2020-21	2021-22
7.	Net-worth in last 3 financial years (Rs in Crore)	2019-20	2020-21	2021-22
8.	Date of Incorporation			
9.	GST Registration number			
10.	PAN Number			
11.	CIN Number, if applicable			
12.	Number of technical manpower in company's rolls			

Dated this Day of **2022**

Authorized Signatory

Name:

Designation:

(Company Seal)

Note: To be submitted in Company Letterhead

To
ITI Limited, MSP-
Delhi
Rohit House, 3
Tolstoy Marg New
Delhi- 110001

Subject: Undertaking towards Non-Black Listing of our firm by any Govt. Body

Dear Sir,

We hereby declare that we have not been BLACK LISTED by any Govt. department/ PSU (State or Central)/ Autonomous Institution against our performance obligation in India and there has been no litigation with any government department on account of similar services for the last 5 years.

This declaration is being submitted as per the requirement of your EoI/RFP/Tender.

Dated this Day of **2021**

Authorized Signatory

Name:

Designation:

(Company Seal)

Note: To be submitted in+ Company Letterhead

(Declarations / Annexure-D)

To
ITI Limited, MSP-
Delhi
Rohit House, 3
Tolstoy Marg New
Delhi- 110001

Subject: Declarations against Expression of Interest (EoI) for I Installation of Robust CCTV Surveillance System at a Government Office

Tender no. dated

Dear Sir,

We hereby declare / undertake the following.

We hereby declare that we will work with ITI as per EOI/RFP/Tender terms and conditions of ITI as well as end customer including warranty & post-warranty services and implementation of the project in the event of ITI winning the contract on back-to-back basis.

We hereby declare that we will submit the Tender Fee & EMD (while submitting the bid to the end customer in the form of Bank Guarantee / Demand Draft / Online Payment from any Nationalized / Scheduled Bank) & Performance Bank Guarantee to end customer or ITI (as decided by ITI) as per EoI/RFP/Tender terms & conditions. We also undertake that we will provide EMD & PBG to ITI as per the end-customer's EoI/RFP/Tender terms even if ITI is exempted to submit the same to end- customer because of its PSU status.

We hereby declare that we have 'No Objection/ No Claim/ No Compensation' from ITI Limited if this EoI/RFP/Tender is cancelled at any stage of evaluation process by ITI or the main EoI/RFP/Tender is cancelled by the end customer.

We hereby undertake that we will be equipped with the required manpower with qualifications, certifications and experience as required in the end customer's EoI/RFP/Tender.

We hereby undertake that we will be able to give the proposed solution as required in the end customer's EoI/RFP/Tender.

We hereby undertake that we will arrange required certificate & support (warranty & post-warranty/maintenance) in the name of ITI Limited from the OEM as per end customer's requirement.

We hereby undertake that we will obtain relevant statutory licenses for operational activities.

We hereby undertake that we will sign Consortium Agreement /Teaming Agreement / Integrity Pact with ITI for addressing the end customer's EoI/RFP/Tender if required.

We indemnify ITI Limited from any claims / penalties / statutory charges / liquidated damages / legal expenses if any etc. as charged by the end customer.

We hereby undertake to make arrangement for signing of agreement between OEM and ITI as per end customer's EoI/RFP/Tender requirements.

We hereby undertake that the OEMs who meet the eligibility and other conditions as per end customer's EoI/RFP/Tender requirement will be finalized by us and produce the required eligibility documents and other related documents of the OEM for final bid submission.

We hereby agree to take the responsibilities covered in the agreement (on back-to-back basis) to be signed between ITI & OEM (if required) as per end customer's EoI/RFP/Tender terms&conditions.

We hereby declare to supply equipment/components which are brand new, first hand and contain no previously used, recycled or refurbished components.

We hereby declare not to partner with any other organization for addressing this EoI/RFP/Tender.

We hereby declare to accept payment terms on back-to-back basis. Penalties, if any, will be borne by us.

We hereby declare to provide Bank Guarantee (110% of value for the period till the advance is settled) for getting the advance payment if any on back-to-back basis.

We hereby agree that ITI may take any punitive action as deemed fit, including forfeiture of EMD / Security submitted by us, if it is found that any of the documents / information provided by us (to meet the tender requirement including eligibility) is wrong/ forged/ misleading at any stage of tender processing / evaluation. The decision of ITI regarding forfeiture of the EMD shall be final and shall not be called upon question under any circumstances

Dated this Day of **2021**

Authorized Signatory

Name:

Designation:

(Company Seal)

Note: To be submitted in Company Letterhead

Compliance Statement of Eligibility Criteria

Ref: Tender no. dated

Sl. No.	Clause No.	Clause	Compliance (Complied/Not Complied)	Remarks with Documentary Reference

Dated this Day of **2021**

Authorized Signatory

Name:

Designation:

(Company Seal)

INTEGRITY PACT

PURCHASE ORDER No.

THIS Integrity Pact is made on.....day of..... 21P.

BETWEEN:

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore – 560 016 and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall also include its successors and assigns) ON THE ONE PART

AND:

..... represented by Chief Executive Officer (hereinafter called the Contractor(s), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the contractor ON THE SECOND PART.

Preamble

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

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will **monitor** the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:

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 the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally 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 from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Act or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

SECTION 2 – COMMITMENTS OF THE BIDDER/CONTRACTOR

- 2.1 The Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the tender process and during the execution of the contract.
- a. The 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 contractor(s) will not enter with other contractors 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 contractor(s) will not commit any offence under IPC/PC Act, further the contractor(s) will not use improperly, for purposes of competition of personal

gain, or pass onto 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 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.
- e. The Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- f. The Contractor(s) will not bring any outside influence and Govt bodies directly or indirectly on the bidding process in furtherance to his bid.
- g. The Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS

- 3.1 If the Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in 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 Contractor(s) from the tender process.
- 3.2 If the Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled exclude including blacklisting for future contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.
- 3.3 The Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.

- 3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.
- 3.5 The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.
- 3.6 On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.
- 3.7 subject to full satisfaction of the Principal, the exclusion of the Contractor(s) could be revoked by the Principal if the Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

SECTION 4 – PREVIOUS TRANSGRESSION

- 4.1 The Contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/ transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.
- 4.2 If the Contractor(s) makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section- 5 of this Pact.

SECTION 5 – COMPENSATION FOR DAMAGE

- 5.1 If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.
- 5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- 6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its sub- contractor(s)/sub-vendor(s)/associate(s), if any, and to submit the same to the Principal along with the tender document/contract before signing the contract. The Bidder(s)/Contractor(s) shall be responsible for any violation(s) of the provisions laid down in the Integrity Pact Agreement by any of its sub-contractors/sub- vendors/associates.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this Integrity Pact or violate its provisions.

SECTION 7 – CRIMINAL CHARGES AGAINST VIOLATING BIDDER(S)/ CONTRACTOR(S)

- 7.1 If the Principal receives any information of conduct of a Contractor(s) or sub- contractor/sub-vendor/associates of the Contractor(s) which constitutes corruption or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer of the Principal for appropriate action.

SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

- 8.1 The Principal appoints competent and credible Independent External Monitor(s) 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 pact.
- 8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.
- 8.3 The Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the Contractor(s). The Bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to treat the information and documents Contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the Contractor(s). 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 non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.

- 8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within a reasonable time 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 Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the Principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- 8.7 The word ‘**Monitor**’ would include both singular and plural.

Any changes to the same as required / desired by statutory authorities is applicable.

SECTION 9 – FACILITATION OF INVESTIGATION

- 9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder(s)/Contractor(s) and the Bidder(s)/Contractor(s) shall provide necessary information and documents in English and shall extend all help to the Principal for the purpose of verification of the documents.

SECTION 10 – LAW AND JURISDICTION

- 10.1 The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall be the seat of the Principal.
- 10.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

SECTION 11 – PACT DURATION

- 11.1 This Pact begins when both the parties have legally signed it. It expires after 12 months on completion of the warranty/guarantee period of the project / work awarded, to the fullest satisfaction of the Principal.
- 11.2 If the Contractor(s) is unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the Contractor(s).
- 11.3 If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/determined by the Chairman and Managing Director of the Principal.

SECTION 12 – OTHER PROVISIONS

- 12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate Office of the Principal at Bengaluru.
- 12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.
- 12.3 If the Contractor(s) or a partnership, the pact must be signed by all consortium members and partners.
- 12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 12.5 Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.
- 12.5 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

In witness whereof the parties have signed and executed this Pact at the place and date first done mentioned in the presence of the witnesses:

For PRINCIPAL

For CONTRACTOR(S)

.....
(Name & Designation)

.....
(Name & Designation)

Witness

Witness

1)1).....

2) 2).....