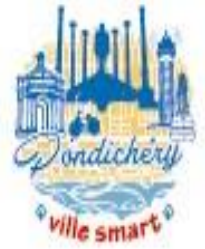




PUDUCHERRY SMART CITY DEVELOPMENT LIMITED



**REQUEST FOR PROPOSAL FOR SELECTION OF  
SYSTEM INTEGRATOR FOR DESIGN,  
DEVELOPMENT, SITC, O&M FOR 05 YEARS OF  
INTEGRATED COMMAND & CONTROL CENTER  
(ICCC) & OTHER ASSOCIATED ACTIVITIES FOR  
PUDUCHERRY SMART CITY AREA**

**Volume 1 - Instruction to the bidders**

**Original RFP NO: RCIL-2023--PDY-Smart City-RFP-01 DATED: 01.06.2023**

**Corrigendum: RCIL-2023-PDY-Smart City-RFP-01 (Modified) Dated 27-07-2023**

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## Disclaimer

The information contained in this Request for Proposal document (“RFP”) whether subsequently provided to the bidders, (“**Bidder/s**”) verbally or in documentary form by **RailTel Corporation of India Limited** (henceforth referred to as “**RailTel**” or “**Tender Inviting Authority**” in this document) for **Department of Revenue and Disaster Management (DRDM) /Puducherry Smart City Development Limited (PSCDL)** or any of its employees or advisors, is provided to Bidders on the terms and conditions set out in this Tender document and any other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is not an offer or invitation to any party. The purpose of this RFP is to provide the Bidders or any other person with information to assist the formulation of their financial offers (“**Bid**”). This RFP includes statements, which reflect various assumptions and assessments arrived at by **RailTel, DRDM / PSCDL** in relation to this scope. This Tender document does not purport to contain all the information each Bidder may require. This Tender document may not be appropriate for all persons, and it is not possible for the Chairman & Managing Director of RailTel, DRDM / PSCDL and their employees or advisors to consider the objectives, technical expertise and particular needs of each Bidder. The assumptions, assessments, statements and information contained in the Bid documents, may not be complete, accurate, adequate or correct. Each Bidder must therefore conduct its own analysis of the information contained in this RFP and to seek its own professional advice from appropriate sources.

Information provided in this Tender document to the Bidder is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. RailTel, DRDM / PSCDL accepts no responsibility for the accuracy or otherwise for any interpretation of opinion on law expressed herein.

RailTel, DRDM / PSCDL and their employees and advisors make no representation or warranty and shall incur no liability to any person, including the Bidder under law, statute, rules or regulations or tort, the principles of restitution or unjust enrichment or otherwise for any loss, cost, expense or damage which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, reliability or completeness of the RFP, and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way in this Selection Process.

RailTel, DRDM / PSCDL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. RailTel, DRDM / PSCDL may in its absolute discretion, but without being under any obligation to do so, can amend or supplement the information in this RFP.

The issue of this Tender document does not imply that RailTel, DRDM / PSCDL is bound to select a Bidder or to appoint the Selected Bidder (as defined hereinafter), for implementation and RailTel, DRDM / PSCDL reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by RailTel, DRDM / PSCDL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and RailTel, DRDM / PSCDL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation for submission of the Bid, regardless of the conduct or outcome of the Selection process.

**NOTICE INVITING RFP****RFP No. RCIL-2023-PDY-Smart City-RFP-01(Modified)****Date:27.07.2023**

RailTel Corporation of India Ltd. (RailTel) invites bids against RFP for the work of “**Request For Proposal For Selection Of System Integrator For Design, Development, SITC, O&M For 05 Years Of Integrated Command & Control Center (ICCC) & Other Associated Activities For Puducherry Smart City Area**”

The details are as under: -

a)	(i) Release of Original RFP (ii) Release of Modified RFP	01/06/2023 27/07/2023
b)	Last date of receipt of queries	16/06/2023
c)	Pre-bid Meeting date	19/06/2023 at 15:00 hrs
d)	Closing date for Submission of e-Bids	Up to 15:00 hrs. of 10.08.2023 (online)
e)	Date of opening of E-Bid (Technical)	At 15:30 hrs. of 10.08.2023 (online)
f)	Estimated Bid Value	Rs. 158.60 Crores (Rupees One hundred Fifty-Eight Crores and Sixty Lakhs Only.) (Inclusive of all Taxes)
g)	Earnest Money Deposit (EMD)	Rs. 3,20,00,000/- (Rupees Three Crore Twenty Lakhs Only)
h)	Cost of RFP Document	Rs. 50,000/- (Rupees Forty Thousand only) including of GST.
i)	RFP portal for Submission of Bids	<a href="https://railtel.eNivida.com">https://railtel.eNivida.com</a>
j)	Place of Opening of BID (Online)	RailTel Corporation of India Ltd Plate-A, 6 <sup>th</sup> Floor Office Block -2, East Kidwai Nagar, New Delhi -110023
k)	Presentation and Proof of Concept for Technically qualified Bidders	To be notified later
l)	Date of opening of Commercial bids	To be notified later

**Note:**

RFP Notice and link for RFP Document are available on RailTel's website <https://www.railtelindia.com/>, E-Nivida portal <https://railtel.eNivida.com>, CPP portal and <https://eprocure.gov.in/eprocure/app> for download. For online bid submission the bidder will have to necessarily download an official online copy of the RFP documents from e-Nivida Portal. All future Information viz. corrigendum/addendum/ amendments etc. for this RFP shall be posted on the RailTel's website & Portal only. Printed copy of RFP document will not be sold from RailTel office. Bid will be submitted online on e-Nivida Portal only.

The bidder shall bear all costs associated with the preparation, submission/participation in the bid. RailTel in no way will be responsible or liable for these costs regardless of the conduct or outcome of the bidding process.

This RFP is covered under Integrity Pact Program of RailTel and bidders are required to sign the Integrity Pact and submit the same to RailTel along with the bids. RFP received without signed copy of the Integrity Pact document shall be liable to be **REJECTED**.

sd

General Manager (Enterprise Business)  
RailTel Corporation of India Limited  
Corporate Office, New Delhi

**Acronyms**

<b>Terms</b>	<b>Acronyms</b>
ABD	Area Based Development
ANPR	Automatic Number Plate Recognition
BOM	Bill of Material
BEC	Bidders Evaluation Committee
BG	Bank Guarantee
CC	Capital Cost
CCTV	Closed Circuit Television
CEO	Chief Executive Officer
DD	Demand Draft
DRDM	Department of Revenue and Disaster Management
EMD	Earnest Money Deposit
GIS	Geographical Information Systems
GPS	Global Positioning System
GST	Goods and Services Tax
PSCDL	Puducherry Smart City Development Limited
HOD	Head of Department
ICCC	Integrated Control and Command Center
ICT	Information and Communication Technology
IOT	Internet of Things
INR	Indian Rupee
LOA	Letter of Acceptance or Letter of Award
LoI	Letter of Intent
MoU	Memorandum of Understanding
MOUD	Ministry of Urban Development, GOI
MSI cum PMC	Master System Integrator cum Project Management Consultants
NPV	Net Present Value
NPW	Net Project Worth
OEM	Original Equipment Manufacture
O&M	Operations & Maintenance
PBG	Performance Bank Guarantee
PDD	Proposal Due Date
POA	Power of Attorney
PoC	Proof of Concept
PQ	Pre-Qualification
PV	Present Value
QCBS	Quality cum Cost Based Selection
RFP	Request for Proposal
RLVD	Red Light Violation Detection
ROW	Right of way
RI	Right to Inspect
SCM	Smart Cities Mission
SCP	Smart City Proposal
SI	System Integrator
SLA	Service Level Agreement
SOP	Standard Operating Procedures
TQ	Technical Qualification
TRV	Total Revenue
UAT	User Acceptance Testing
VM	Virtual Machine

**Definitions**

<b>Term</b>	<b>Definition</b>
Client	DRDM / PSCDL
MSI cum PMC / Authority/ Tender Inviting Authority	RailTel Corporation of India Ltd
System Integrator	Selected Bidder with whom the contract agreement is signed against this RFP.

## 1. Introduction

Smart Cities Mission was launched by Government of India on 25<sup>th</sup> June, 2015. Puducherry city was selected among 100 cities to be developed as smart city in India due to various achievements, initiatives and all-inclusive approach. Accordingly, Puducherry city had submitted “Smart City Proposal” (SCP) to Ministry of Urban Development, Government of India with required consent of Government of Puducherry State and statutory authority of Greater Puducherry Smart City Corporation Limited.

The city of Puducherry has been selected to be developed into a smart city under the fast-track mode of first phase of the Smart Cities Mission. The Smart City Proposal of Puducherry includes the smart city solutions which involve the use of technology, information, and data to improve infrastructure and services within the city of Puducherry (The Smart Solutions Projects).

The Client- **DRDM / PSCDL** has selected RailTel as MSI cum PMC for implementation of above work. Now RailTel intends to select a System Integrator to design and assist the Client in the Implementation of Intelligent Transit Management System, City Surveillance System, Area Traffic Control System, Integration of existing and future system & Integrated Control and Command Centre (ICCC) in Puducherry city as one of the smart City solutions through RAILTEL as MSI cum PMC. Tender Inviting Authority shall obtain the prior approval of the client for issue of Work Order to the successful bidder after finalisation of this RFP.

### 1.1 Introduction to Puducherry Smart City Project

Puducherry is a Union Territory in India located on the eastern coast, known for its rich cultural heritage, serene beaches, and French colonial architecture. The city has been selected under the Smart Cities Mission, a flagship program of the Government of India, aimed at developing sustainable and citizen-centric cities through the use of technology, data, and innovation.

The Puducherry Smart City Project aims to transform the city into a modern, liveable, and resilient urban centre that offers a high quality of life to its residents. The project focuses on improving infrastructure, promoting economic growth, enhancing sustainability, and ensuring social inclusion.

The Smart City project is being implemented through Master System Integrator (MSI) cum Project Management Consultant (PMC), RailTel Corporation of India Limited (RailTel) by Department of Revenue and Disaster Management (DRDM) for Puducherry Smart City Development Limited (PSCDL), which is responsible for planning, implementing, and monitoring the Smart City initiatives in the city.

The Puducherry Smart City Project has identified several key areas for development, including:

1. **Infrastructure:** The project aims to develop and upgrade essential infrastructure, such as roads, water supply, drainage, and solid waste management systems, to meet the growing demands of the city.
2. **Mobility:** The project focuses on improving public transportation systems, promoting non-motorized transport, and reducing traffic congestion to enhance mobility and accessibility for citizens.
3. **Environment:** The project aims to promote sustainable practices and improve the environmental quality of the city by reducing air and water pollution, promoting green spaces, and enhancing energy efficiency.
4. **Governance:** The project aims to promote citizen participation and transparency in decision-making by implementing e-governance solutions, promoting citizen engagement, and improving service delivery.
5. **Culture and Heritage:** The project aims to promote the rich cultural heritage of the city by preserving and promoting its historical landmarks, promoting cultural tourism, and developing cultural infrastructure.

The Puducherry Smart City Project is a multi-year initiative that will require the participation and support of various stakeholders, including government agencies, private sector partners, and citizens. The project presents an opportunity for the city to develop a sustainable and inclusive urban environment that can serve as a model for other cities in India and beyond.

Components deployed throughout the city are envisaged to accrue the following benefits for the city of Puducherry.

- Availability of all municipal services at the finger tip of the citizens
- Improved management of utilities and quantification of services
- Availability of adequate parking facilities with IoT based information
- Enhanced traffic enforcement and management
- Enhanced safety and security
- Real time asset management
- Unified operations through integration of urban functions offered by the city administration

## 1.2 RFP Format

The intent of this RFP is to invite bids from the Bidders for Implementation of Pan-City ICT Components for Puducherry Smart City.

The Request for Proposal consists of three volumes viz.

### a) RFP Volume 1: Instruction to Bidders

Volume 1 details the instructions with respect to the bid process management, technical evaluation framework, and the technical & financial forms.

### b) RFP Volume 2: Scope of work including Functional & Technical Specifications

Volume 2 of the RFP provides information regarding the Project Implementation Plan, business requirements/applications to be covered and corresponding process related documentation, scope of work for the selected bidder and functional requirements.

### c) RFP Volume 3: Master Service Agreement

Volume 3 contains the contractual, legal terms & conditions applicable for the proposed engagement.

## 1.3 Fact Sheet

S. No.	Item	Description
1	Method of Selection	The method of selection is QCBS – Quality cum Cost Based Selection with 65:35 weightage for technical and financial marks (with 65% min qualifying marks in technical round). The Contract will be awarded to the bidder with highest Total Score.
2	Availability of RFP Documents	Download from <a href="https://railtel.enivida.com">https://railtel.enivida.com</a> , (with copies available at RailTel Website, and CPP Portal)

3	(i) Date of original RFP Issuance (ii) Date of modified RFP issuance	01-06-2023  24-07-2023
4	Bid Security/Earnest Money Deposit (EMD)	The Bidder shall pay EMD of INR 3,20,00,000/- (Indian Rupees Three Crore Twenty Lakhs only) in the form of NEFT/RTGS/Net Banking/ Bank Guarantee.  EMD shall be in favor of <b>RailTel Corporation of India Ltd.</b>  Union Bank of India Current A/c No- 340601010050446 IFSC Code- UBIN0534064 Branch: Yusuf Sarai New Delhi  In case of EMD in the form of Bank Guarantee as per format given in Annexure 5(b)) this RFP from a nationalized or scheduled bank in India in favor of RailTel Corporation of India Ltd, New Delhi, the scanned copy of the <b>BG along with SFMS confirmation must be</b> uploaded along with the proposal and <b>Original Bank Guarantee shall be submitted at the earliest and latest by 17th Aug 2023.</b>
5	Pre-Bid Queries or Clarifications Submission	As per the <u>Annexure 1 – Template for Pre-Bid Queries</u> through Email: <a href="mailto:pdysmartcity.rfp@railtelindia.com">pdysmartcity.rfp@railtelindia.com</a> on or before <b>16-06-2023 18:00hrs.</b>
6	Pre-Bid Conference time & date	15:00hrs 19-06-2023
7	Pre-Bid Conference venue	RailTel Corporation of India Ltd, RailTel Tower, Plot - 143, Institutional Area, Sector-44, Gurgaon -122003
8	Posting of responses to queries (on website)	<a href="https://railtel.enivida.com/">https://railtel.enivida.com/</a>
9	Last Date and time for Bid submission (On or before)	<b>10-08-2023 [15:00 HRS]</b>
10	Date, time for opening of Pre-Qualification Bids	<b>10-08-2023 [15:30 HRS]</b>
11	Bid validity	Bid must remain valid up to <b>180 (One Hundred &amp; Eighty)</b> days from the actual date of submission of the Bid.
12	Currency	Currency in which the Bidders may quote the price will receive payment in Indian Rupees only

13	Address for Correspondence	RailTel Corporation of India Ltd Plate-A, 6 <sup>th</sup> Floor Office Block -2, East Kidwai Nagar, New Delhi -110023
14	Name of the officer	Sh. Anish Singh Gusain Asst. General Manager (EB) Email: pdysmartcity.rfp@railtelindia.com

## 2. Instruction to Bidders

### 2.1 General

- a. While every effort has been made to provide comprehensive and accurate background information, requirements and envisaged solution(s) specifications. Bidders must form their own conclusions about the solution(s) needed to meet the Authority's requirements. Bidders and recipients of this RFP may wish to consult their own legal advisers in relation to this RFP.
- b. All information supplied by Bidders as part of their bids in response to this RFP, may be treated as contractually binding on the Bidders, on successful award of the assignment on the basis of this RFP.
- c. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of Authority. Any notification of preferred bidder status by or on behalf of Tender Inviting Authority shall not give rise to any enforceable rights by the Bidder. Authority may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of Authority.
- d. Bids shall be received by the Tender Inviting Authority on the e-Procurement portal <https://railtel.enivida.com> before the time and date specified in the schedule of the tender notice. In the event of the specified date for the submission of tender offers being declared a public holiday by the Government of India the offers will be received up to the appointed time on the next working day. The Tender Inviting Authority may, at its discretion, extend this deadline for submission of offers by issuing corrigendum and uploading the same on e-Procurement portal.
- e. Deleted
- f. Telex, cable or facsimile offers will be rejected.

**2.1.1 Instructions for Online Bid Submission : The detailed instructions regarding submission of the bid through online in e Nivida portal are mentioned at Annexure – 14.**

### 2.2 Eligible Bidders

#### 2.2.1 Bidding entity

- i. The Bidder for pre-qualification may be a single entity or a group of entities (the "Consortium"), coming together to fulfil the deliverables as per the scope of the Bid. However, no Bidder applying individually or as a member of a Consortium, as the case may be, can be a member of another Bidder. The term Bidder used herein would apply to both a single entity and a Consortium.
- ii. A Bidder may be a natural person, private entity, [government-owned entity] or any combination of them with a formal intent to enter into an agreement or under an existing agreement to form a Consortium. A Consortium shall be eligible for consideration subject to the conditions set out in Clause no. 2.2.2 below.
- iii. A Bidder shall not have a conflict of interest (the "Conflict of Interest") that affects the Bidding Process. Any Bidder found to have a Conflict of Interest shall be disqualified.

#### 2.2.2 Consortium Conditions

- i) In case a bid is submitted by a consortium of two or more firms/ companies (**No. of members shall not be more than [3]**) as consortium members including Lead Member, the members of consortium shall meet the Prequalification Criteria & Technical evaluation Criteria as defined in this RFP.
- ii) A Consortium shall be considered Bidder provided that one of the members of the consortium shall be nominated as being in-charge (the "Lead Member") and this authorization shall be evidenced by **submitting**

**a power of attorney signed by legally authorized signatories of all the members on a non-judicial stamp paper of INR 100/- and notarized.**

- iii) The Lead Consortium Member shall submit the Bid and shall be liable towards fulfilling the obligations in this RFP.
- iv) The Lead Consortium Member shall designate and authorize one person to represent the Consortium in its dealings with the Authority through a Power of Attorney to perform all tasks including, but not limited to, providing information, responding to inquiries, signing of Bid on behalf of the Consortiums, etc.
- v) Each member of the Consortium shall have a registered office (under the Companies Act 1956/2013 with Registrar of Companies) and operations in India.
- vi) Every Consortium Member shall provide consent to the Lead Member and make itself aware of all the proceedings of the bidding process and Project implementation through legally enforceable consortium agreement (the "Joint Bidding Agreement"), power of attorneys, legal undertakings, etc. entered amongst all members of that Bidding Consortium including but not limited to those as prescribed in this RFP.
- vii) The Lead Member / member of consortium should not be blacklisted/barred by any Govt. Organization or Regulatory Agencies or Govt. Undertaking. Bidder should submit a self- undertaking signed by its Authorized Signatories for the same as per Annexure defined in this RFP.
- viii) The Lead Member shall submit the Bid after legitimately paying the Bid Document fees for the RFP, and submission of the EMD/Bid Security as per the various terms, schedules and formats prescribed in this RFP.
- ix) The bid, and in case of successful bid the specified Form of Agreement, shall be signed so as to be legally binding on all consortium members as per format given in this RFP.
- x) The Lead Member shall be authorized to incur liabilities and receive instructions for and on behalf of any and all members of the Consortium, and the entire execution of the Contract shall be done with the Lead Member and payment under the contract shall be received by the Lead Member on behalf of the Consortium as per power conferred to him in the Power of Attorney.
- xi) The Lead Member shall be liable for the entire contract in accordance with the contract terms, while other Consortium Members shall be liable severally for their portion of Work. The statement to this effect shall be provided along with RFP submissions including the Bid Form and Contract (in case of successful bid).
- xii) The list of Consortium Members needs to be declared in the bid which cannot be changed by the bidder later. Any change in the Consortium member will need to be approved by the Tender Inviting Authority. However, Tender Inviting Authority reserves the right to reject the Bid in case of change in the constitution of the consortium after the submission of Bid and before the execution of the Agreement.
- xiii) The role and responsibility of any member must be commensurate with the technical/financial capabilities that such member is contributing towards meeting the qualification criteria. Each consortium member is liable to contribute resources in terms of knowledge, skills, and trained manpower commensurate with its role and responsibilities during the Contract Period. Any modification in roles and responsibilities between consortium members during Contract Period shall be allowed only after approval from Tender Inviting Authority. Any changes and deviation of roles and responsibilities of consortium members during the execution, operation and maintenance of this Project without prior approval of Tender Inviting Authority shall be viewed seriously by the as it can affect an important public service. Such unilateral action by the SI shall entitle Tender Inviting

Authority to take appropriate action including considering it an Event of Default under this Contract leading to consequences including termination with appropriate notice.

- xiv) The Consortium Agreement must also state that the period of the Agreement would coincide with the Contract period. Consortium must continue to be in existence during the period of the contract and that any change will be subject to approval of the Tender Inviting Authority only.
- xv) Any Dispute arising during Contract Period between the Consortium Members shall be resolved amicably without adversely impacting Project Implementation and Operation. If in Tender Inviting Authority's opinion, dispute between Consortium members adversely impacts implementation and operation of the Project, then Tender Inviting Authority may in its sole discretion in the interest of the Project, (a) Terminate the Contract after due process and/or (b) Provide a binding solution.
- xvi) In case Tender Inviting Authority intends to proceed for termination on account of SI's Event of Defect and / or unresolved disputes between the Consortium Members, all the Consortium Members shall be jointly and severally liable for Implementation, Operation and Maintenance of project at Agreed prices and payment terms specified in this RFP till Tender Inviting Authority or any new agency appointed by it takes over the Project.

### **2.3 Compliant Bids/Completeness of Response**

- a. Bidders are advised to study all instructions, forms, terms, requirements and other information in the RFP documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications.
- b. Failure to comply with the requirements of this paragraph may render the bid non-compliant and the Bid may be rejected. Bidders must:
  - i. Submit the bids (Technical and Commercial) online
  - ii. Include all documentation specified in this RFP, in the bid.
  - iii. Follow the format of this RFP while developing the bid and respond to each element in the order as set out in this RFP.
  - iv. Comply with all requirements as set out within this RFP.

### **2.4 Bidder to Inform**

The Bidder shall be deemed to have carefully examined the Terms & Conditions, Scope, Service Levels, Specifications, and Schedules of this RFP. If bidder has any doubts/clarifications as to the meaning of any portion of the Clauses or Conditions or the specifications he shall, before the last date for Submission of Pre-Bid Queries, set forth the particulars thereof and submit them to Authority in writing in order that such doubt may be removed or clarifications are provided.

### **2.5 Bid Preparation costs**

- i. The Bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by **Tender Inviting** Authority, to facilitate the evaluation process, and in negotiating a definitive agreement or all such activities related to the bid process. The **Tender Inviting** Authority will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

- ii. This Bid Document does not commit the **Tender Inviting** Authority to award a contract or to engage in negotiations. Further, no reimbursable cost may be incurred in anticipation of award. All materials submitted by the Bidder shall become the property of **Tender Inviting** Authority and may be returned at its sole discretion.

## 2.6 Pre-bid Meeting & Clarifications

### 2.6.1 Bidders Queries

Any clarification regarding the RFP document and any other item related to this project can be submitted to Authority as per the submission mode and timelines mentioned in the Fact Sheet. The pre-bid queries should be submitted in excel sheet format, along with name and details of the organization submitting the queries.

Authority shall not be responsible for ensuring that the bidders' queries have been received by them.

Bidders must submit their queries as per the format mentioned in Section 5 – Annexure I

### 2.6.2 Responses to Pre-Bid Queries and Issue of Corrigendum

The Tender Inviting Authority will organize a pre-bid conference and will respond to any request for clarification or modification of the bidding documents. The Tender Inviting Authority shall formally respond to the pre-bid queries after the pre-bid conference.

The Tender Inviting Authority shall endeavour to provide timely response to all queries. However, Tender Inviting Authority makes no representation or warranty as to the completeness or accuracy of any response made in good faith. Authority does not undertake to answer all the queries that have been posed by the bidders.

Any modifications of the RFP Documents, which may become necessary as a result of the Pre-Bid Conference, shall be made by Authority exclusively through a corrigendum. Any such corrigendum shall be deemed to be incorporated into this RFP. However, in case of any such amendment, the bid submission date may be extended at the discretion of Authority.

Any corrigendum/notification issued by Tender Inviting Authority, subsequent to issue of RFP, shall only be available/hosted on the website URL mentioned in the fact sheet. Any such corrigendum shall be deemed to be incorporated into this RFP.

## 2.7 RFP/Tender Document Fee

- RFP can be downloaded from the website – URL mentioned in the fact sheet.
- Without the payment of Tender Document Fee, the bids will be taken as incomplete and non-responsive and shall not be considered.
- Receipt or Copy of Tender Document Fee should accompany the Bid response document.
- The cost of bidding documents is non-refundable.
- The Bidders should have the necessary portal enrolment with his/her own Digital Signature Certificate (DSC).

## 2.8 Earnest Money Deposit (EMD) / Bid Security

The Bidder shall pay EMD of INR 3,20,00,000/- (Indian Rupees Three Crore Twenty Lakhs only) in the form of NEFT/RTGS/Net Banking/ Bank Guarantee.

In case of EMD is submitted in the form of Bank Guarantee form, then the scanned copy of the **BG along with SFMS confirmation must be** uploaded along with the proposal.

No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained.

No interest will be payable by the Authority on the Earnest Money Deposit/Bid Security.

In case a bid is submitted without EMD/Bid Security as mentioned above, then **Tender Inviting** Authority shall reject the bid without providing opportunity for any further correspondence to the bidder concerned and the Bids shall be treated as non-responsive.

The EMD/Bid Security of unsuccessful Bidders will be returned by the Authority, without any interest, as promptly as possible on acceptance of the Proposal of the Selected Bidder or when the **Tender Inviting** Authority cancels the Bidding Process.

The Selected Bidder's EMD will be returned, without any interest, upon the Selected Bidder signing the Agreement and furnishing the Security Deposit / Performance Guarantee in accordance with the provision thereof.

The EMD may be forfeited in any of the following circumstances:

- a. If a Bidder withdraws their bid or increases their quoted prices during the period of bid validity or its extended period, if any; or
- b. In the case of a successful bidder, if the Bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time
- c. During the bid process, if a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
- d. During the bid process, if any information found wrong / manipulated / hidden/ fraudulent in the bid.

## 2.9 Bid Validity Period

Bid shall remain valid for the time period mentioned in the Fact Sheet. Bids shall be valid for a **period of 180 days (One hundred and eighty days)** from the last date of submission of the bids. A Bid valid for a shorter period may be considered as non-responsive. In exceptional circumstances, at its discretion, Authority may solicit the bidder's consent for an extension of the validity period. The request and the responses thereto shall be made in writing or by fax or email.

## 2.10 Contents of Bid

The bid consisting of following document shall be uploaded through the e-Procurement portal.

1. RFP/ tender Document fees
  2. Earnest Money Deposit
  3. Pre-Qualification Bid
  4. Technical Bid
  5. Commercial Bid
- Please note that Prices should NOT be indicated in the Technical Bid but should only be indicated in the Commercial Bid.
  - All the pages of the bid must be sequentially numbered. The bid documents must contain in the beginning of the document, a list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid.

- The original bid shall be prepared in indelible ink. It shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidder itself. Any such corrections must be initialed by the person (or persons) who sign(s) the bids.
- All pages of the bid shall be initialed and stamped by the person (or persons) who sign the bid.
- Failure to submit the bid before the submission deadline specified in the Fact Sheet would cause a bid to be rejected.
- Authority will not accept delivery of bid by fax, e-mail or in person.

## 2.11 Bid Formats

### 2.11.1 Pre-Qualification Bid Format

Section #	Section Heading	Details
1.	Pre-qualification checklist	As per format provided in <u>Annexure 2 section 6.1</u>
2.	Pre-Qualification Bid Covering Letter	As per format provided in <u>Annexure 2 section 6.2</u>
3.	Consortium Agreement	As per format provided in Annexure 7 of Volume 1
4.	Company Profile	As per format provided in Annexure 2 section 6.3
5.	Power of Attorney	Documentary evidence as per format provided in Annexure 8 and 9
6.	No Deviation Certificate	As per format provided in Annexure 2 section 6.5
7.	Total responsibility certificate	As per format in Annexure 2 Section 6.6
8.	Self-certificate for Project execution experience (On Bidder's Letter Head)	As per format in Annexure 2 Section 6.7

### 2.11.2 Technical Bid Format

Section #	Section Heading	Details
1.	Technical Bid Checklist	As per format provided in Annexure 3 Section 6.9
2.	Technical Bid covering letter	As per format provided in Annexure 3 section 6.10
3.	Technical Evaluation Criteria	Information as required in Technical Criteria 3.6 & 3.6.1
4.	Approach & Methodology	Details as required in Technical Criteria 3.6 & 3.6.1
5.	Solution Proposed	Details as required in Technical Criteria 3.6 & 3.6.1  Please refer to Annexure 3 as well.
6.	Project/ Credential Summary	As per format provided in Annexure 3 section 6.11

Section #	Section Heading	Details
7.	Bidder's Experience	Project supporting documentary evidences and Self-certifications as per format in Annexure 3 section 6.12 as applicable
8.	Project Plan and Resources	<ul style="list-style-type: none"> <li>• Project plan as per format provided in Annexure 3 section 6.13.2</li> <li>• Manpower plan as per format provided in Annexure 3 section 6.13.3</li> <li>• Summary of resources as per format provided in Annexure 3 section 3.6.4 and 6.14</li> <li>• CV of resources as per format provided in Annexure 3 section 6.15</li> </ul>
9.	Manufacturers'/Producers' Authorization Form and OEM Undertakings	<p>Authorization Certificate from manufacturer should be submitted for all active hardware and software components proposed under this project like Cameras, Network switches/Routers, UPS, Server, Storage, Software products (VMS, ITMS, ICCO, VA, EMS, Cloud Service etc).</p> <p>As per format provided in Annexure 4 section 7.1</p> <p>Bidder to submit all undertakings &amp; certification as specified under Para-6 of Volume-2 of this RFP.</p>
10.	Anti – Collusion Certificate	As per format provided in Annexure 4 Section 7.2
11.	Non – disclosure Agreement	As per format provided in Annexure 6

### 2.11.3 Commercial Bid Format

The Bidder must submit the Commercial Bid in the formats specified in Section 7.

Section #	Section Heading	Details
1.	Total Price Summary with Price component for CAPEX and OPEX	As per format provided in Section 7 Annexure 4. The price shall be submitted as per format given in the e-nivida Portal only.

### 2.12 Language

The bid should be prepared and submitted by the bidders in English language only. If any submitted supporting documents are in any language other than English, translation of the same in English language is to be provided (duly attested) by the Bidders. For purposes of interpretation of the documents, the English translation shall govern. Such translated documents shall be notarized and in case of any incorrectness of the translation, the bidder will be penalized.

### **2.13 Authentication of Bids**

An authorized representative (or representatives) of the Bidder shall initial all pages of the Pre-Qualification, Technical and Commercial Bids.

Bid should be accompanied by an authorization in the name of the signatory (or signatories) of the Bid. The authorization shall be in the form of a written power of attorney accompanying the Bid demonstrating that the representative has been duly authorized to sign.

### **2.14 Amendment of Request for Proposal**

At any time prior to the due date for submission of bid, Authority may, for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder(s), modify the RFP document by amendments. Such amendments shall be uploaded on the e-procurement portal website, through corrigendum and shall form an integral part of RFP document. The relevant clauses of the RFP document shall be treated as amended accordingly.

It shall be the responsibility of the prospective bidder(s) to check the Authority's website from time to time for any amendment in the RFP document. In case of failure to get the amendments, if any, Authority shall not be responsible.

In order to allow prospective bidders a reasonable time to take the amendment into account in preparing their bids, Authority, at its discretion, may extend the deadline for submission of bids. Such extensions shall be uploaded on website of the Authority.

### **2.15 Bid Price**

Prices quoted in the Bid must be firm and shall not be subject to any modifications, on any account whatsoever. The Bid Prices shall be indicated in Indian Rupees (INR) only.

The Price Bid should clearly indicate the price quoted without any ambiguity whatsoever and should include all applicable taxes, duties, fees, levies, and other charges as may be applicable in relation to the activities proposed to be carried out. Should there be a change in applicable taxes, the actual taxes on the date of billing would prevail.

Prices in any form or by any reason before opening the Price Bid should not be revealed, failing which the offer shall be liable for rejection.

Bidders shall quote for the entire scope of contract on a "overall responsibility" basis such that the total bid price covers Bidder's all obligations mentioned in or to be reasonably inferred from the bidding documents in respect of providing the product/services.

### **2.16 Deviations and Exclusions**

Bids shall be submitted strictly in accordance with the requirements and terms & conditions of the RFP. The Bidder shall submit a No Deviation Certificate as per the format mentioned in Section 6.5. The bids with deviation(s) are liable for rejection.

### **2.17 Total Responsibility**

Bidder should issue a statement undertaking total responsibility for the defect free operation of the proposed solution as per the format mentioned in Section 6.6.

## **2.18 Late Bids**

Late submission will not be entertained and will not be permitted by the e-Procurement Portal.

The bids submitted by telex/telegram/fax/e-mail/in person etc. shall not be considered. No correspondence will be entertained on this matter.

Authority shall not be responsible for delay in submission of any online submission related or website related issues and date of submission cannot be extended for such reasons. Authority reserves the right to modify and amend any of the above-stipulated condition/criteria.

## **2.19 Right to Terminate the Process**

Tender Inviting Authority may terminate the RFP process at any time and without assigning any reason. Tender Inviting Authority makes no commitments, express or implied, that this process will result in a business transaction with anyone.

This RFP does not constitute an offer by Tender Inviting Authority.

The bidder's participation in this process may result in Tender Inviting Authority selecting the bidder to engage in further discussions and negotiations toward execution of an agreement. The commencement of such negotiations does not, however, signify a commitment by the Tender Inviting Authority to execute an agreement or to continue negotiations. Tender Inviting Authority may terminate negotiations at any time without assigning any reason.

## **2.20 Non-Conforming bids**

A bid may be construed as a non-conforming bids and ineligible for consideration:

- a. If it does not comply with the requirements of this RFP.
- b. If a bid does not follow the format requested in this RFP or does not appear to address the particular requirements of the solution.

## **2.21 Acceptance/Rejection of Bids**

- a. Not used.
- b. Notwithstanding anything contained in this RFP, the Authority reserves the right to accept or reject any Proposal and to annul the Selection Process and reject all Proposals, at any time without any liability or any obligation for such acceptance, rejection, or annulment, and without assigning any reasons therefore.
- c. Besides other conditions and terms highlighted in the RFP Document, bids may be rejected under following circumstances:

### **1. General rejection criteria**

- i. Conditional Bids;
- ii. If the information provided by the Bidder is found to be incorrect / misleading / fraudulent / incomplete at any stage / time during the Tendering Process;
- iii. Any effort on the part of a Bidder to influence the bid evaluation, bid comparison or contract award decisions;
- iv. Bids received after the prescribed time & date for receipt of bids;

- v. Bids without signature of person (s) duly authorized on required pages of the bid;
- vi. Bids without power of attorney/ board resolution or its certified true copy;

## **2. Pre-Qualification rejection criteria**

- i. Bidders not complying with the Eligibility Criteria given in this RFP;
- ii. Revelation of prices in any form or by any reason before opening the Commercial Bid;
- iii. Failure to furnish all information required by the RFP Document or submission of a Bid not substantially responsive to the RFP Document in every respect;

## **3. Technical rejection criteria**

- i. Technical Bid containing commercial details;
- ii. Revelation of Prices in any form or by any reason before opening the Commercial Bid;
- iii. Failure to furnish all information required by the RFP Document or submission of a Bid not substantially responsive to the RFP Document in every respect;
- iv. Bidders not quoting for the complete scope of work as indicated in the RFP Documents, addendum /corrigendum (if any) and any subsequent information given to the Bidder;
- v. Bidders not complying with the Technical and General Terms and conditions as stated in the RFP Documents;
- vi. The Bidder not confirming unconditional acceptance of full responsibility of providing services in accordance with the scope of work and Service Level Agreements of this RFP;

## **4. Commercial Rejection Criteria**

- a. Incomplete price Bid;
- b. Price Bids that do not conform to the RFP's price bid format;
- c. Total price quoted by the Bidder does not include all statutory taxes and levies applicable;

If there is an arithmetic discrepancy in the commercial Bid calculations the Technical Committee shall rectify the same. If the Bidder does not accept the correction of the errors, its Bid may be rejected.

Misrepresentation/ improper response by the Bidder may lead to the disqualification. If such disqualification / rejection occurs after the Proposals have been opened and the L1 Bidder gets disqualified / rejected, then Authority reserves the right to consider the next best ranked Bidder or take any other measure as may be deemed fit in the sole discretion of Authority, including annulment of the Selection Process.

### **2.22 Confidentiality**

All the material/information shared with the Bidder during the course of this procurement process as well as the subsequent resulting engagement following this process with the successful bidder, shall be treated as confidential and should not be disclosed in any manner to any unauthorized person under any circumstances. The successful Lead bidder and Consortium members on behalf of employees who are proposed to be deployed on the project need to furnish a Non-Disclosure Agreement (NDA) format provided in Volume 3 of the RFP.

## 2.23 Disqualification

The bid is liable to be disqualified in the following cases or in case bidder fails to meet the bidding requirements as indicated in this RFP:

- a. During validity of the bid, or its extended period, if any, the bidder changes its quoted prices.
- b. The bidder's bid is conditional and has deviations from the terms and conditions of RFP.
- c. Information submitted in technical bid is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period if any.
- d. Financial bid is enclosed with the same document as technical bid.
- e. Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
- f. In case any one party submits multiple bids or if common interests are found in two or more bidders, the bidders are likely to be disqualified,
- g. If any of the Lead Bidder and or consortium partner (s) is also partner in any other bid, then all the affected bids shall be disqualified.
- h. Bids without Bid Document fees & EMD will be disqualified

## 2.24 Key Personnel

Authority has identified certain key positions and minimum qualifications for each of the positions that should be part of project team of the bidder (hereby referred to as "key personnel"). Details of these key positions are provided in Section 3.6.2

### 2.24.1 Initial Composition; Full Time Obligation; Continuity of Personnel

Bidder shall ensure that each member of the Key Personnel devotes substantial working time as per the staffing schedule/ manpower plan to perform the services to which that person has been assigned as per the bid.

Bidder shall not make any changes to the composition of the Key Personnel and not require or request any member of the Key Personnel to cease or reduce his or her involvement in the provision of the Services during the defined term of the engagement unless that person resigns, is terminated for cause, is long-term disabled, is on permitted mandatory leave under Applicable Law or retires.

In any such case, the Authority's prior written consent would be mandatory.

### 2.24.2 Evaluations

Bidder shall carry out an evaluation of the performance of each member of the Key Personnel in connection with the project at least once in each Contract Year. Bidder shall provide reasonable written notice to Authority of the date of each evaluation of each member of the Key Personnel. Authority shall be entitled to provide inputs to the bidder for each such evaluation. Bidder shall promptly provide the results of each evaluation to Authority, subject to Applicable Law.

### 2.24.3 Replacement

In case any proposed resource resigns, then the Bidder has to inform Authority within one week of such resignation.

Bidder shall promptly initiate a search for a replacement to ensure that the role of any member of the Key Personnel is not vacant at any point in time during the contract period, subject to reasonable extensions requested by Bidder to Authority.

Before assigning any replacement member of the Key Personnel to the provision of the Services, Bidder shall provide Authority with:

- a. A resume, curriculum vitae and any other information about the candidate that is reasonably requested by Authority; and
- b. An opportunity to interview the candidate.

The bidder has to provide replacement resource of equal or better qualification and experience as per the requirements of this RFP.

If Authority objects to the appointment, Bidder shall not assign the individual to that position and shall seek an alternative candidate in accordance with the resource requirements of this RFP.

The bidder needs to ensure at least 3 weeks of overlap period in such replacements. Authority will not be responsible for any knowledge transition to the replacement resource and any impact/escalation of cost incurred by the bidder due to resource replacement.

### 2.24.4 High Attrition

If in the first 6 month period from the Contract Effective Date and in any rolling 12 months period during the Term of contract, 25 percent or more of the members of the Key Personnel cease or reduce their involvement in the Services for any reason other than with Authority's prior written consent, Bidder shall:

- a. Provide Authority with a reasonably detailed explanation as to the reasons for such change, including, where applicable and permitted, notes from any exit interviews conducted by Bidder with any departing member of the Key Personnel; and
- b. If such change to Key Personnel has or is likely to have any material adverse impact on the provision of the Services or any substantial part thereof, undertake, at its own costs, such remediation acts as are reasonably necessary in order to improve the retention of the Key Personnel including making reasonable changes to the human resources policies and procedures applicable to the Key Personnel (including those related to compensation, benefits and other conditions so that they are competitive with the market) as may be necessary to ensure that such policies and procedures comply with Good Industry Practice.

## **2.25 Inclusion of MSMEs / Start Ups and regulatory compliance in Project Delivery**

- i) Bidders are encouraged to include Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project.
- ii) Further to promote Make in India initiative of Government of India, procurement guidelines as per Public Procurement (Preference to Make in India), Order 2017, and its subsequent amendments thereof, of Department for Promotion of Industry and Internal Trade (DPIIT) has to be strictly complied with.
- iii) Bidders sharing a land border with India: Office Memorandum F.No.6/18/2019-PPD dated 23.07.2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division shall also apply to this tender. A certificate as per point D of Form No. 07 shall be submitted by all the bidders (Sole Bidder

and Lead Bidder & all members of consortium) regarding their compliance with this order. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order.

## 2.26 Eligible Goods and Services, and OEM Criteria:

- a. For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “services” includes services such as insurance, transportation, supply, installation, integration, testing, commissioning, training, and initial maintenance.
- b. The Bidder shall quote only one specific make and model of OEM, for each of the goods. Providing more than one option shall not be allowed. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.
- c. The components (including but not limited to CCTV Cameras, Video Management System Software, ANPR Cameras & Solution, RLVD Solution, Speed Violation Solution, Edge Level (Field) Switches, Data Centre Switches & Routers, Servers, Storage, Racks, Desktop PC and Workstations etc.) should have existing registered service/support center or establish in India within 30 days of award of contract. **The Bidder should submit an undertaking from the OEM to that effect.**
- d. All CCTV Cameras, Video Management System, within overall project offering should be compliant to ONVIF Core Specification ‘2.X’ for Profile ‘S’ and Profile ‘G’. Further, the bidder shall be responsible for ensuring integration of Video Analytics and any video/image processing solution as per solution requirement.
- e. During the Demonstration/Proof-of-Concept (PoC) of the field components at technical evaluation stage, the Technical Committee will give special attention to verify the quality, robustness and appropriateness of the proposed camera/other equipment for field scenario/conditions. If any brand / product are found un-suitable, Bidder may get dis-qualified or may be asked to replace the product with better brands meeting the tender requirements, without any change in commercial bid.
- f. Cloud Service Provider (CSP) should meet following minimum capabilities. The CSP must be an empaneled cloud service provider by MeitY  
Note: Necessary certificates / documentary proof must be provided for evaluation.
- g. All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFP.
- h. Bidder must quote products in accordance with above clause “Eligible goods and related services.

## 2.27 Withdrawal, Substitution, and Modification of Bids

- a. A Bidders may withdraw the Bid or re-submit the Bid (technical and/ or financial) within bid submission period as per the instructions/ procedure mentioned at e-Procurement website.
- b. Bids withdrawn shall not be opened and processed further.

## **2.28 Site Visit**

The Bidder may wish to visit and examine the site or sites and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.

## **3. Selection Process for Bidder**

### **3.1 Opening of Bids**

The Bids shall be opened by Tender Inviting Authority in presence of those Bidders or their representatives who may be present at the time of opening.

The representatives of the Bidders are advised to carry the identity card or a letter of authority from the bidder firms to identify that they are bona fide representatives of the bidder firm, for attending the opening of bid.

There will be Two bid-opening events

#### **a. Technical Bid - RFP/Tender Document Fee, Bid Security/EMD, Pre-Qualification Documents and Technical Documents**

#### **b. Commercial bid**

The date and time for opening of Technical & Commercial bid would be communicated to the qualified bidders.

The Technical Bids of only those bidders will be processed who clears the Pre-qualification stage.

The Commercial Bids of only those bidders will be opened who score equal to or more than **65%** in Technical Evaluation.

### **3.2 Preliminary Examination of Bids**

Authority shall examine the bids to determine whether they are complete, whether the documents have been properly signed and whether the bids are generally in order. Any bids found to be nonresponsive for any reason or not meeting any criteria specified in the RFP, shall be rejected by Tender Inviting Authority and shall not be included for further consideration.

Initial Bid scrutiny shall be held and bids will be treated as non-responsive, as defined in the para 2.21 & 2.23 of this RFP.

### **3.3 Clarification on Bids**

During the bid evaluation, Authority may, at its discretion, ask the Bidder for any clarification(s) of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

The Tender Inviting Authority may waive any minor infirmity, nonconformity or irregularity in a bid that does not constitute a material deviation, and that does not prejudice or affect the relative position of any Bidder, provided it conforms to all the terms, conditions of the bidding documents without any material deviations, objections, conditionality, or reservations. A material deviation, objection, conditionality, or reservation is one (i) that affects in any substantial way the scope, quality, or performance of the Agreement; (ii) that limits in any substantial way, inconsistent with the bidding documents, Authority's rights or the selected Bidder's obligations under the Agreement; or (iii) whose rectification would unfairly affect the competitive position of other Bidders who are presenting responsive bids.

### 3.4 Evaluation Process

Tender Inviting Authority shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders. The Tender Evaluation Committee shall evaluate the responses to the RFP and all supporting documents/documentary evidence. Inability to submit requisite supporting documents/documentary evidence by bidders may lead to rejection of their bids.

The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.

The Tender Evaluation Committee reserves the right to reject any or all bids. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.

The steps for evaluation are as follows:

#### 3.4.1 Stage 1: Pre-Qualification

- a. Authority shall validate the "RFP/Tender Document Fee & Bid Security/Earnest Money Deposit (EMD).
- b. If the contents are as per requirements, Authority shall consider the Pre-Qualification documents for further evaluation. **Each of the Pre-Qualification condition mentioned in Section 3.5 is MANDATORY**. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified.

Bidders would be informed of their qualification/disqualification based on the Pre-Qualification criteria through Portal and subsequently. The Bid Security amount shall be returned to the respective disqualified Bidders after the submission of Performance Bank Guarantee (PBG) by the successful Bidder.

- c. Technical and Commercial bids for those bidders who don't pre-qualify will not be opened and /or evaluated further. Financial bid will not be opened for those bidders, who don't qualify in the technical evaluation. Bid Security amount shall be returned for those who don't qualify the financial evaluation stage after PBG is submitted by successful bidder.
- d. Bids of only those Bidders who meets the Pre-Qualification criteria, shall be considered for further evaluation i.e. Stage-2: Technical Evaluation.

#### 3.4.2 Stage 2: Technical Evaluation

- a. Technical Documents will be evaluated only for the bidders who succeed in Stage 1.
- b. The Technical Evaluation Committee appointed by the Tender Inviting Authority will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- c. The bidders' technical solutions proposed in the bid document shall be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in Section 3.6 & 3.6.1
- d. Bidders shall make a presentation to the Technical Evaluation Committee appointed by the Tender Inviting Authority to supplement their bids which include the following
  - Approach & Methodology including Project Experience.
  - Proposed solutions
  - Manpower – Technical resources
  - Proof of Concept of the proposed solution / Envisaged use cases

- e. The Authority envisages to have proof of concept / technical demonstration to evaluate the technology & system performance for achieving city business outcome. During the Demonstration/Proof-of-Concept (PoC) at technical evaluation stage, the Evaluation Committee will give special attention to verify the quality, robustness and appropriateness of the proposed Solutions/Equipment **of same make and model of the components offered in the Bid**. If any brand / products are found un-suitable, Bidder may get disqualified or may be asked to replace the product with better products, meeting the tender requirements, without any change in commercial bid. Bidder may demonstrate local setup or existing deployments over network/cloud.
- f. The Bidder shall be required to exhibit overall solution architecture along with compliance to functional and non-functional requirements of the RFP, through presentation.
- g. The Authority will notify the date and venue for conducting such proof of concept / technical demonstration to the prospective bidders.
- h. The Bidder shall bear all the costs associated with PoC except for PoC venue, network and internet connectivity which shall be made available by the Tender Inviting Authority. The bidder shall share the network and internet connectivity requirements minimum one week in advance prior to the date of PoC to the Authority.
- i. Each Technical Bid will be assigned a technical score out of a maximum of 100 Points.
- j. Only those bids who get a minimum of 50% of marks in each of the Technical Evaluation Segment and an overall technical score of 65% or more of the Technical Evaluation Framework as given in Section 3.6 shall be considered technically qualified and will qualify for the commercial evaluation stage. Failing to secure minimum marks shall lead to rejection of the bids

### 3.4.3 Stage 3: Commercial Evaluation

- a. All the technically qualified bidders will be notified to participate in Commercial Bid opening process.
- b. The commercial of only those bidders which have qualified in Stage-1 & Stage -2 shall then be opened on the notified date and time and reviewed to determine whether the commercial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- c. Commercial Bids that are not as per the format provided in the RFP shall be liable for rejection.
- d. The bid price shall include all taxes and levies and shall be in Indian Rupees and mentioned separately

The Authority or any other government agency shall not have any liability of paying any taxes (including GST)/charges/levies as part of this project. The bidder has to quote their Price duly factoring all these costs over the project duration.

If there is any discrepancy in the Price Bid, it will be dealt as per the following:

- 1. If, in the price structure quoted for the required Product and Services, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), only the total price/cost as quoted in the table in the Price Bid Format 1 shall prevail. The unit prices quoted in the Price Bid Format 2 shall be considered only in case of any deviations/modifications in the scope of the work in due course.
- 2. If there is a discrepancy between words and figures, the amount in words shall prevail.

### 3.4.4 Successful Bidder Evaluation

65:35 Quality and Cost based Selection (QCBS) method shall be used for evaluation of the bids, as per the formula given below:

The scores will be calculated as:

$$Bb = (0.65)*Tb + (0.35)*(Cmin/Cb * 100)$$

Where,

- a) Bb = overall score of bidder under consideration (calculated up to two decimal points)
- b) Tb = Technical score for the bidder under consideration
- c) Cb = Price quoted by the bidder under consideration
- d) Cmin= Lowest price among the financial proposals under consideration

The bidder achieving the highest overall score will be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest overall score, the bidder with the higher technical score will be invited first for negotiations for awarding the contract. In case of a tie on the technical scores and highest overall scores, the Cb will be calculated to the third place of decimal and the bidder with lesser Cb will be invited for negotiations for awarding the contract.

### 3.5 Pre-Qualification Criteria

The bidder must possess the requisite experience, strength and capabilities in providing services necessary to meet the requirements as described in the RFP document. Keeping in view the complexity and volume of the work involved, following criteria are prescribed as the eligibility criteria for the bidder interested in undertaking the project. The bidder must also possess technical know-how and financial ability that would be required to successfully provide System Integration, Operation and Maintenance services sought for the entire contract duration. The bids must be complete in all respect and should cover entire scope of work as stipulated in the bid document. This invitation to bid is open to all bidders who qualify the eligibility criteria as given below:

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
1	Legal Entity	Sole Bidder/ Lead Bidder and members of Consortium (in case of consortium) should be a Company registered under Companies Act, 1956 or 2013, or a Limited Liability Partnership registered under the Limited Liability Partnerships Act, 2008 or a Partnership firm registered under the Indian Partnership Act existing for the past 5 years as on 31.3.2023.	The sole bidder/ Lead Bidder and consortium members should submit the following documents  1. Certificate of incorporation  2. Memorandum and Articles of Association	PQ_1

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
2	Consortium Agreement (Only applicable for Consortium Members)	<p>Consortium Agreement (in case of Consortium)</p> <p>2.1 The Bid can only be submitted by Consortium led by Lead Member.</p> <p>2.2. In case of Consortium, the same shall be limited to three members in total. Including the Lead Member.</p> <p>2.3. The Lead member/Consortium member of one Consortium cannot be a member of another consortium which is also participating in this tender.</p>	<p>In case of Consortium, the Lead Member of Consortium should furnish the Consortium Agreement signed by all the Consortium Members.</p> <p>Consortium agreement should clearly mention the roles and responsibilities of each member.</p>	PQ_2
3	Tax Registration	<p>3.1 The Sole Bidder/All members of Consortium (In case of Consortium) should be Registered in India and should be Registered with the Tax Authorities.</p>	<p>In case of Sole Bidder/All members of Consortium (In case of Consortium) should furnish</p> <p>3.1.1 Copy of PAN.</p> <p>3.1.2 Copy of GST Registration Certificate.</p>	PQ_3
4	Power of Attorney	<p>4.1 Specific Power of Attorney in favour of Authorized Signatory signing the Bid and Board Resolution in favour of a person granting the Power of Attorney for the Sole Bidder or the Lead Member in</p>	<p>1. Specific Power of Attorney for the Sole Bidder or the Lead Member (in case of consortium) and Board Resolution in favour of a person granting the Power of Attorney to sole bidder or Lead member.</p> <p>2. In case of consortium, specific Power of Attorney</p>	PQ_4

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
		<p>case of Consortium who shall sign the agreement.</p> <p>4.2 Specific Power of Attorney in favour of Authorized Signatory signing the bid and Board Resolution in favour of person granting the Power of Attorney for the Lead Member from each member of the Consortium authorizing to sign the agreement on behalf of them</p>	<p>for all members of the consortium to sign the consortium agreement as per format and Board Resolution in favour of a person of respective consortium members granting the Power of Attorney to their respective members.</p> <p>3. Specific Power of Attorney from each consortium member to the Lead Member authorizing to sign the agreement on behalf of them as per format.</p>	
5	Blacklisting	<p>The Sole bidder / all members should not have been blacklisted by any Central / State Government / Union Territories / Government Undertaking / ULB in India in the last 5 years from the date of the response to this Tender.</p>	<p>In case of Sole Bidder, The Sole Bidder should furnish</p> <p>5.1.1 A self-certified undertaking on its company letterhead duly signed by the Authorized Signatory of the Sole Bidder.</p> <p>5.1.2 In case of Consortium, all members of Consortium should furnish a self-certified undertaking on its company letterhead signed by the respective Authorized Signatory.</p>	PQ_5

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
6	Average Annual Turnover	<p>a) The Bidder (Sole Bidder or Lead Member and /or consortium members jointly in case of Consortium) shall have an average annual turnover of INR <b>79.30</b> Crores in three (3) years from either Financial years (2019-20, 2020-21 and 2021-22) Or Financial years (2020-21, 2021-22 and 2022-23)</p> <ul style="list-style-type: none"> <li>• In case of consortium Lead Members should have minimum 51% of the above average annual Turnover requirement.</li> <li>• Other consortium members together should meet at least 20% of the above average Annual Turnover requirement.</li> </ul> <p>b) The sole Bidder/Lead Member (in case of consortium) shall have, as its object of business, the following Specific Business Areas</p> <ul style="list-style-type: none"> <li>• ICT Infrastructure (including Data Centres)</li> </ul>	<p>a) CA / Statutory Auditor's Certificate mentioning year wise turnover supported by Audited financial statement for stated 3 financial years for the Sole Bidder or the Lead Member and all members of consortium (in case of consortium)</p> <p>b) CA/ Statutory Auditor's Certificate referring para of MoA/AoA of the Bidder indicating Specific Business Areas for sole bidder or the lead member in case of consortium.</p>	PQ_6

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
		<ul style="list-style-type: none"> <li>IT system integration services</li> </ul>		
7	Net worth	<p>The Sole Bidder/ All members of Consortium should have positive net worth for each of the last three audited financial years.</p> <p>Special note: The three financial years should be same as selected under the Turnover criteria (para 6 above).</p>	CA / Statutory Auditor's Certificate mentioning year wise Networth supported by Audited financial statement for stated 3 financial years for the Sole Bidder or the Lead Member and all members of consortium (in case of consortium)	PQ_7
8	Project Experience	<p>The Sole bidder or in case of consortium Lead Bidder and /or any member of the consortium (individually or jointly) should have minimum experience of having successfully completed or ongoing projects in any of the six areas defined under similar works during <b>last 7 years</b> ending last day of month (i. e. as on <b>31<sup>st</sup> May 2023</b>) previous to the one in which RFP is invited.</p> <p><b>Three</b> similar works of not less than the</p>	Documentary evidence (Copy of completion / ongoing certificate and Work Order/ Contract from client.	PQ_8

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
		<p>amount equal to <b>Rs. 63 Crores</b> each</p> <p>(or)</p> <p><b>Two</b> similar works of not less than the amount equal to <b>Rs. 79 Crores</b> each</p> <p>(or)</p> <p><b>One</b> similar work of not less than the amount equal to <b>Rs. 126 Crores</b></p> <p>Similar work is defined under note - 1 below.</p>		
9	Presence in Puducherry	<p>The Sole Bidder or Lead Member (in case of Consortium) should have a local office in Puducherry.</p> <p><b>OR</b></p> <p>If the Sole Bidder or Lead Member (in case of Consortium) does not have an office in Puducherry as on date of submission of bid, the Sole Bidder or Lead Member (in case of Consortium), if selected, will be required to open an office within 15 days from Issue of LOA.</p>	An undertaking on its company letterhead duly signed by authorised signatory mentioning details of local office address or for setting up the local office in Puducherry within 15 days from the date of issue of LOA.	PQ_9
10	Accreditations	The Sole Bidder/ Lead Bidder (in case of consortium) and /or Consortium Members should	In case of Sole Bidder, The Sole Bidder should furnish Copy of the Certificate(s) signed and stamped by the	PQ_10

S.NO	Qualification Criteria	Details	Mandatory documentary evidence to be Submitted	Name to be given to the PDF file to be uploaded
		<p>jointly possess any three of below certifications which are valid as on date of bid submission.</p> <p>a) CMMI Level 3 or Higher for Capability Maturity Model Integration</p> <p>b) ISO 9001 certification or higher or equivalent (Quality Management)</p> <p>c) ISO 27001 certification or higher or equivalent (Information Security Management)</p> <p>d) ISO 14001 for Environmental Management System</p> <p>e) ISO 20000 for IT Service Management</p>	<p>Authorized Signatory of the Sole Bidder.</p> <hr/> <p>In case of Consortium, any Consortium member should furnish- Copy of the Certificate(s) signed and stamped by the Authorized Signatory of the Lead Member of Consortium.</p>	

**Special Note for Pre-qualification Criteria:**

**1. Similar works shall include:**

Similar work shall include any order/contract/project received from Central / State Government / Union Territories/PSUs in India / Reputed Indian Companies (where the Annual Turnover of the reputed Indian Company in last three Financial years must be greater than 79.30 Crore) in any of the below six categories. In case of credential from Reputed Indian Companies, the audited Balance Sheets or Certificate from CA /statutory auditor of the said company confirming the turnover (greater than 79.30 Crores) must be submitted along with the credential):

a) Design, Build and Maintenance of Integrated Command and Control Centre:

Designing and setting up of ICCC, Operations & Maintenance (O&M) of ICCC comprising of emergency response/ Security and Surveillance control/City wide NOC/ITMS/Smart Pole/Control Software, Video Wall, Operations room, contact centre/ help desk.

OR

b) Installation of CCTV Surveillance system in a single project.

OR

c) Intelligent traffic management System, ANPR, RLVD or Traffic Command and control centre involving traffic junctions.

OR

d) Supply Installation & commissioning and /or O&M of Information Communication Telecommunication (ICT) project.

OR

e) Design, Build and Maintenance of Data Center

Project related to implementation or management of IT Infrastructure for Data Center. The Data Center shall be of minimum Tier II certification.

OR

f) Integration of ICT applications with Command-and-Control Centre:

Integration of components from the following Smart Solutions having bi-directional integration from the list below with Integrated command and Control centre: (Surveillance System/Parking System, Water & Power SCADA, Traffic Signal / Traffic Enforcement System / e-Challan/ Smart Lighting/ smart sensors)

## 2. Documentary evidence for Pre-Qualification and Technical Qualification Criteria

i. For all the project experience, following documentary evidences are required:

a. Work order/ Contract clearly highlighting the scope of work, Bill of Material, and value of the contract/order.

OR

If NDA is signed between Bidder & Client and Work Order/ Contract cannot be submitted as a proof of work, then Bidder shall submit Certificate mentioning NDA signed, scope of work, Cost of Project, duration of project and current status of the project signed by the Designated Authority of Client or by the Statutory Auditor.

b. Completion Certificate : for completed project certificate duly mentioning reference of concerned Order should be issued & signed by the authorized signatory of the end customer on the entity's Letterhead

Or

In case project is on-going a certificate from the Statutory Auditor duly mentioning reference of concerned Order has to be provided mentioning that 80% of Capex has been released OR Project should be successfully implemented and should be in the O & M Stage.

c. Citations

ii. In case the annual accounts for the latest financial year are not audited and therefore the Bidder cannot make it available, the Bidder shall give an undertaking to this effect and the statutory auditor shall certify the same. In such a case, the Bidder shall provide the Audited Annual Reports for 3 (three) years preceding the year for which the Audited Annual Report is not being provided.

iii. In Jurisdictions that do not have a statutory auditor, the firm of auditors which audits the annual accounts of the Bidders may provide the certificates required under this RFP

iv. In case the experience shown is that of the bidder's parent / subsidiary company if they are wholly owned subsidiary of their parent company; then the following additional documents are required:

a. Certificate signed by the Company Secretary/statutory Auditor/2 Board of Directors of the bidder certifying that the entity whose experience is shown is parent/subsidiary Company.

b. Resolution/ Authorization from Board of Parent/ Subsidiary Company to be submitted authorizing use of Parent/ Subsidiary company's experiences along with declaration that the Parent/ subsidiary company will support during project tenure

c. Consolidated Balance Sheet for the last 3 (three) financial years is submitted to establish Parent-Subsidiary relationship

d. Shareholding pattern of the bidding entity as per audit reports or Certificate issued by Statutory auditor.

v. Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company or subsidiary company if:

a. a 'holding company', in relation to one or more other companies, means a company of which such companies are subsidiary companies; and

b. a 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own

c. They are wholly owned subsidiary of their parent company

d. Resolution/ Authorization from Board of Parent/ Subsidiary Company to be submitted authorizing use of Parent/ Subsidiary company's experiences along with declaration that the Parent/ subsidiary company will support during project tenure

e. Consolidated Balance Sheet for the last 3 (three) years is submitted to establish Parent-Subsidiary relationship

vi. In case where the Bidder is dependent upon the technical experience of the subsidiary company or the parent company, with a view to ensure commitment and involvement of the parent/ subsidiary for successful execution of the contract, the participating bidder should enclose (i) an Agreement (**as per format enclosed at Annexure 10 of this Volume**) between the bidder and its parent / subsidiary company for fulfilling the obligation and deployment of expert during implementation phase for the Track/Component for which the experience is being used and (ii) Guarantee (as per format enclosed at **Annexure 11 of this Volume**) from the parent/ subsidiary company in favour of Authority.

vii. Global Experience of companies registered in India will be considered if the firm is

a. Registered under the Companies Act 1956/2013 in India or LLP firm/ Partnership firm under Partnership Act of 1932

b. In operation in India for a period of at-least 5 years as on Bid Submission Date

### 3.6 Technical Evaluation Framework

The Bidder's technical solution proposed in the Technical Evaluation bid shall be evaluated as per the evaluation criteria in the following table.

Segment	Technical Evaluation Segments	Points
A	Bidder Profile	10

B	Project Experience	50
C	Approach & Methodology and POC demonstration	30
D	Proposed Resources for the Project	10
<b>Technical Score</b>		<b>100</b>

**Important Notes:**

a) Definitions/Explanation as provided under Pre-qualification criteria for credentials shall be applicable for the technical evaluation.

b) Important: Qualification criteria for Technical Evaluation and progression to commercial evaluation stage: Minimum 65% (65 marks) of the overall technical score total with minimum of 50% in each of **Technical Evaluation Segment**.

c) The segment wise technical evaluation shall be based on documentary proof from the Sole Bidder or Lead Member and /or consortium members jointly (in case of Consortium) shall be considered.

d) Tender Inviting Authority (or a nominated party) reserves the right to check/validate the authenticity of the information provided in the Pre-qualification and Technical Evaluation criteria and the requisite support must be provided by the Bidder.

## 3.6.1 Technical Bid Evaluation Criteria

The following sections explain how the bidders shall be evaluated on each of the evaluation criteria:

Sl No	Technical Evaluation Criteria	Technical Evaluation Parameter	Marks	Format for submission								
<b>A Bidder Profile Segment (10 marks)</b>												
A1	Average Annual Turnover for last Three Financial Years.	Submission of documentary proof from the Sole Bidder or Lead Member and /or consortium members jointly (in case of Consortium).  Turnover Marks More than INR 200 Cr -6 Marks >INR 150 Cr to <= INR 200 Cr 5 Marks >INR 100 Cr to <= INR 150 Cr 4 Marks >=INR 79 to <= INR 100 Cr 3 Marks	6	Document as defined under special note under Pre- Qualification Criteria.								
A2	People in organization (Full time Employees in Information & Communication Technology (ICT))	Submission of HR certificate from the Sole Bidder or Lead Member (in case of Consortium) and /or consortium members jointly. <table border="1" data-bbox="411 1691 979 1944"> <thead> <tr> <th>Number of FTE</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>&gt;300 FTE</td> <td>4</td> </tr> <tr> <td>&gt;200 FTE to &lt;=300 FTE</td> <td>3</td> </tr> <tr> <td>&gt;100 FTE to &lt;=200 FTE</td> <td>2</td> </tr> </tbody> </table>	Number of FTE	Marks	>300 FTE	4	>200 FTE to <=300 FTE	3	>100 FTE to <=200 FTE	2	4	HR Certificate.
Number of FTE	Marks											
>300 FTE	4											
>200 FTE to <=300 FTE	3											
>100 FTE to <=200 FTE	2											
<b>B. Project Experience Segment (50 Marks)</b>												

B1	CCTV Surveillance system	<p>Surveillance system like CCTV surveillance system. The project should have at least 200 cameras.</p> <table border="1" data-bbox="411 271 887 450"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>6</td> </tr> <tr> <td>2 projects</td> <td>4</td> </tr> <tr> <td>1 Project</td> <td>2</td> </tr> </tbody> </table>	Number of Projects	Marks	≥3 projects	6	2 projects	4	1 Project	2	6	Annexure-3 (Form-6.11)
Number of Projects	Marks											
≥3 projects	6											
2 projects	4											
1 Project	2											
B2	Public Address/ Information System	<p>a) At least 5 Variable Message Display boards or                      b) At least 15 Public Address System/ 10 Emergency Call Box or                      c) At least 10 - AQM/Flood/Environmental Sensors etc or jointly.</p> <table border="1" data-bbox="411 656 908 860"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>4</td> </tr> <tr> <td>2 projects</td> <td>2</td> </tr> <tr> <td>1 Project</td> <td>1</td> </tr> </tbody> </table>	Number of Projects	Marks	≥3 projects	4	2 projects	2	1 Project	1	4	Annexure-3 (Form-6.11)
Number of Projects	Marks											
≥3 projects	4											
2 projects	2											
1 Project	1											
B3	Design, Build and Maintenance of Data Center	<p>Design, Build and Maintenance of Data Center- The Data Center shall be of minimum Tier II.</p> <table border="1" data-bbox="456 994 954 1202"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>8</td> </tr> <tr> <td>2 projects</td> <td>6</td> </tr> <tr> <td>1 Project</td> <td>4</td> </tr> </tbody> </table>	Number of Projects	Marks	≥3 projects	8	2 projects	6	1 Project	4	8	Annexure-3 (Form-6.11)
Number of Projects	Marks											
≥3 projects	8											
2 projects	6											
1 Project	4											
B4	Network Experience	<p>Experience in successful execution of Network projects /Fiber Optic Cable Laying and or LAN projects involving minimum 10 sites each.</p> <table border="1" data-bbox="411 1404 908 1612"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>4</td> </tr> <tr> <td>2 projects</td> <td>2</td> </tr> <tr> <td>1 Project</td> <td>1</td> </tr> </tbody> </table>	Number of Projects	Marks	≥3 projects	4	2 projects	2	1 Project	1	4	Annexure-3 (Form-6.11)
Number of Projects	Marks											
≥3 projects	4											
2 projects	2											
1 Project	1											
B5	ITMS Experience	<p>Experience in implementation of Integrated Traffic Management System involving minimum <b>10 junctions</b> comprising any of the following key components, Traffic Violation Detection System with E-Challan generation, ANPR, SVD, Adaptive Traffic Signal Control System.</p> <table border="1" data-bbox="411 1883 908 2042"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>8</td> </tr> <tr> <td>2 projects</td> <td>6</td> </tr> </tbody> </table>	Number of Projects	Marks	≥3 projects	8	2 projects	6	8	Annexure-3 (Form-6.11)		
Number of Projects	Marks											
≥3 projects	8											
2 projects	6											

		1 Project	4																
B6	Design, Build and Maintenance of Integrated Command and Control Centre	Design, Build and Maintain Integrated Command and Control Centre: The bidder should have experience of setting up and Operations & Maintenance (O&M) of a project covering Integrated command and control room/emergency response centre / Security and Surveillance control room/ City wide NOC/ Surveillance control room built of value not less than <b>INR 10 Crore each.</b>		8	Annexure-3 (Form-6.11)														
		<table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>≥3 projects</td> <td>8</td> </tr> <tr> <td>2 projects</td> <td>6</td> </tr> <tr> <td>1 Project</td> <td>4</td> </tr> </tbody> </table>		Number of Projects	Marks	≥3 projects	8	2 projects	6	1 Project	4								
Number of Projects	Marks																		
≥3 projects	8																		
2 projects	6																		
1 Project	4																		
B7	Integration of ICT applications with Command and Control Center	<p>Should have been awarded and successfully executed components having bi-directional integration from the list below with command and Control center</p> <p>a) Surveillance System, b) Parking System, c) Intelligent Integrated Solid Waste Management System, d) Water &amp; Power SCADA, e) Smart Governance, f) Vehicle Tracking System, g) Traffic Signal / Traffic Enforcement System / e-Challan, h) Smart Lighting / LED Lights, i) Geographical Information System (GIS) j) Smart pole with wifi,/PA system /environmental sensor/ IOT sensors</p>		12	Annexure-3 (Form-6.11)														
		<table border="1"> <thead> <tr> <th>Number of Integrations</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>&gt; 5 components integrations</td> <td>12</td> </tr> <tr> <td>5 components integrations</td> <td>10</td> </tr> <tr> <td>4 components integrations</td> <td>8</td> </tr> <tr> <td>3 components integrations</td> <td>6</td> </tr> <tr> <td>2 components integrations</td> <td>4</td> </tr> <tr> <td>1 component integrations</td> <td>2</td> </tr> </tbody> </table>		Number of Integrations	Marks	> 5 components integrations	12	5 components integrations	10	4 components integrations	8	3 components integrations	6	2 components integrations	4	1 component integrations	2		
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3 components integrations	6																		
2 components integrations	4																		
1 component integrations	2																		
C	<b>Approach &amp; Methodology &amp; Project Presentation Segments (30 marks)</b>																		
C1	Technical Presentation on Approach & Methodology	Following parameters will be evaluated.		5	As per Annexure-3 Form 6.13.														
		<table border="1"> <thead> <tr> <th>Particulars</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>Understanding of the project and conformity to volume II: Scope of Work, Functional</td> <td></td> </tr> </tbody> </table>		Particulars	Marks	Understanding of the project and conformity to volume II: Scope of Work, Functional													
Particulars	Marks																		
Understanding of the project and conformity to volume II: Scope of Work, Functional																			

		<p>Requirements and System Architecture in the proposed solution</p>	1.5						
		<p>Proposed deployment architecture for DC &amp; DR to meet the functionalities as given in RFP and Proposed Network Architecture covering ICC platform, DC/DR, to meet the functionalities as given in RFP</p>							
		<p>Proposed security solution to safeguard against various threats including hacking attempts, cyber-crime, internal/ external threats etc.</p>	1.5						
		<p>Proposed solution for design &amp; development of SOPs and KPIs (list down all the SOPs &amp; KPIs identified for the solution).</p>							
		<p>Identification of major risks and suitable mitigation plans for each of identified risks.</p>	1						
		<p>Methodology, tools and Technologies to monitor &amp; maintain the SLAs and managing change requests</p>							
		<p>Proposed structure for:                      1. Project Strategy                      2. Project Management                      3. Risk Management                      4. Resource Plan                      5. Project Governance Model</p>	1						
C2	Technical Demonstration/ PoC	<p>Following parameters will be evaluated during Technical Demonstration:</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Particulars	Marks			25		
Particulars	Marks								

		<p>(i) Demonstrate Sub-System Integration &amp; Control with ICCC Platform (all Mandatory)</p> <p>a) CCTV Surveillance Solution-(5 Marks)                  b) ITMS (ANPR, RLVD &amp; SVD)- (5 Marks)                  c) PA system/VMD solution-(4 Marks)                  d) Environmental Sensor (Any two Sensors) –(3 marks)                  e) Smart Pole solution- (3 Marks)</p>	20								
		<p>Demonstrate Implementing Security &amp; Surveillance, Environmental Sensor, VMD, PAS, ECB – <b>1 Marks</b></p>	5								
		<p>Demonstrate the ICCC Control Room setup with visualization of smart components and integration with GIS on real time basis  <b>-2 Marks</b></p>									
		<p>Demonstrate 3D simulation for proposed solutions – <b>2 Marks</b></p>									
		<p>*Bidder is required to showcase 3D simulation for a functional smart city with ICCC showcasing use cases as mentioned in this RFP. This simulation should show movement of data / feeds, working of field devices, ICCC dashboards, incident management from ICCC. Finally, how the whole scenario is helping citizens in the Smart City. Note: The Bidder will be required to submit softcopy of both presentation and simulation video to Authority after presentation is over.</p>									
<b>D</b>	<b>Proposed Resources for the Project Segment (10 marks)</b>										
D1	People on project	<p>Each of the following profiles suggested by the bidder will be evaluated:</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>Project Manager</td> <td>2</td> </tr> <tr> <td>ICCC/ Command Center</td> <td>1.5</td> </tr> </tbody> </table>	Particulars	Marks	Project Manager	2	ICCC/ Command Center	1.5	10	Annexure-3 (Form-6.14 & 6.15)	
Particulars	Marks										
Project Manager	2										
ICCC/ Command Center	1.5										

		Expert			
		Solution Architect	1.5		
		Security Infrastructure expert	1		
		GIS expert	1		
		Data Management expert /Analyst	1		
		Business Analyst / Use-case/SoP expert	1		
		Network Architect	0.5		
		Server/ Storage & Database Expert	0.5		

3.6.2 Technical Demonstration of Proof of Concept (PoC)

Objective of Technical Demonstration/ POC is to evaluate the technology & system performance for getting city outcome.

During the Technical Demonstration/PoC at the technical evaluation stage, the Technical Committee of Authority shall give special attention to verify the quality, robustness and appropriateness of the proposed Solutions/Equipment. If any brand / products are found unsuitable, Bidder may get dis-qualified or may be asked to replace the product with better brands meeting the RFP requirements, without any change in commercial bid.

A. System Demonstration	ICCC Platform Software
B. Demo Material and Set up	<p><b>Authority scope</b></p> <p>a) Power Source b) Space for installing server and workstation</p> <p><b>Bidder scope</b></p> <p>a) Demo Material b) Demo Setup at Site</p>
C. Performance Evaluation	Live demo and integration services
D. Suggestive Technology Selection Criteria	Please refer to parameters mentioned in the section Technical Demonstration / PoC Technical EvaluationFramework

**Note: The Proof of Concept/ Technical Demonstration is to be presented by the named resources (Project Director & Solution Architect) as mentioned in the section 3.6.3. Non-compliance to this will lead to deduction in marks allocated toward PoC/Technical Demonstration.**

### 3.6.3 Key personnel Evaluation Criteria

SI shall provide adequate number of personnel, each responsible for a specific role within the project. SI shall provide clear definition of the role and responsibility of each individual personnel.

SI shall have a defined hierarchy and reporting structure for various teams that shall be part of the project. SI has to provide the list of proposed Resources for the Project. Any changes in Resource deployment will have to be approved by the Authority.

Following table indicates the minimum qualification required for Key Positions identified for this project. However, SI shall independently estimate the teams size required to meet the requirements of Service Levels as specified as part of this tender.

<p><b>Project Manager = 2 marks</b></p> <p><b>a) Educational Qualification: 0.5 Mark</b></p> <ul style="list-style-type: none"> <li>• B.E (I.T/C.S.E);/ B.Tech, (I.T/C.S.E)/M.C.A /M. Tech(C.S.E/I.T) = 0.5 Marks</li> <li>• Else0</li> </ul> <p><b>b) Work experience in the capacity of Project Director/ Program Manager in ICT/ Command and Control Center Implementation Projects: 0.5 Mark</b></p> <ul style="list-style-type: none"> <li>• &gt;=15 years = 0.5 marks</li> <li>• Else0</li> </ul> <p><b>c) Project/Program management Experience in Large ICT/ Command and Control Center implementation Project of value &gt; 100 crores: 0.5 Marks</b></p> <ul style="list-style-type: none"> <li>• &gt;= 3 Projects= 0.5 Marks</li> <li>• Else0</li> </ul> <p><b>d) Project Management Certification: 0.5 Mark</b></p> <ul style="list-style-type: none"> <li>• PMP or PRINCE 2 Certificate (Bidder to submit scanned copy of valid certificate in the name of the resource) = 1 Marks</li> <li>• Else0</li> </ul>
<p><b>Command Center Expert = 1.5 Marks</b></p> <p><b>a) Educational Qualification: 0.5 Marks</b></p> <ul style="list-style-type: none"> <li>• B.E (I.T/C.S.E);/ B.Tech, (I.T/C.S.E)/M.C.A /M. Tech(C.S.E;I.T) = 1 Marks</li> <li>• Else 0 Marks</li> </ul> <p><b>b) Work experience as IT/ICT solution architect: 0.5 Marks</b></p> <ul style="list-style-type: none"> <li>• &gt;=10 years = 0.5 Marks</li> </ul> <p>Else 0 Marks</p> <p><b>c) Project Handled as Integrated Command and Control Center Expert Project: 0.25 Mark</b></p> <ul style="list-style-type: none"> <li>• &gt; 3 Project = 0.25 Marks</li> <li>• Else 0 Mark</li> </ul> <p><b>d) Project Management Certification: 0.25 Mark</b></p> <ul style="list-style-type: none"> <li>• Certification on any of the ICCC platform (Bidder to submit scanned copy of valid certificate in the name of the resource) = 0.5 Marks</li> </ul>
<p><b>Solution Architect = 1.5 marks</b></p> <p><b>a) Educational Qualification: 1 Marks</b></p> <ul style="list-style-type: none"> <li>• M Tech (C.S.E;I.T)/ B.E (I.T/C.S.E);/ B.Tech, (I.T/C.S.E)/M.C.A = 0.5 Marks</li> <li>• Else 0 Marks</li> </ul> <p><b>b) Work experience as IT/ICT solution architect: 0.5 Marks</b></p> <ul style="list-style-type: none"> <li>• &gt;=10 years = 0.5 Marks</li> <li>• Else0</li> </ul> <p><b>c) Project Handled as Solution Architecture for Command and Control Center Project: 1 Mark</b></p> <ul style="list-style-type: none"> <li>• &gt;3Project=0.5 Mark</li> <li>• Else 0 Mark</li> </ul>
<p><b>Security Infrastructure Specialist= 1 Marks</b></p> <p>a) Educational Qualification: 0.25 Marks M Tech(C.S.E;I.T) / B.E (I.T/C.S.E);/ B.Tech, (I.T/C.S.E)/M.C.A = 0.25 Marks Else 0 Marks</p> <p>b) Work experience as Cyber Security expert: 0.25 Marks</p> <ul style="list-style-type: none"> <li>• &gt;=10 years = 0.25 Mark</li> <li>• Else0</li> </ul> <p>c) Project Handled as Cyber Security Expert: 0.25 Mark</p> <ul style="list-style-type: none"> <li>• &gt; 3 Project = 0.25 Mark</li> <li>• Else 0 Mark</li> </ul> <p>d) Certificate such as CISSP, CISM, CISA, OSCP or other equivalent from reputed organization such as CompTIA, EC Council, GIAC, ISACA and (ISC)2: 0.25 Mark (Bidder to submit scanned copy of valid certificate in the name of the resource)</p>
<p><b>GIS expert/Data management expert/ Data Analyst/ Business Analyst /Network Architect = 1 Marks</b></p> <p><b>a) Educational Qualification: 0.5 Mark</b></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in Engineering = 0.25Marks</li> <li>• Else 0 Marks</li> </ul> <p><b>b) Relevant Work experience: 0.25 Mark</b></p> <ul style="list-style-type: none"> <li>• &gt;=10 years = 0.25 marks</li> <li>• Else0</li> </ul>

**c) Relevant Certifications: 0.25Mark**

- Bidder to submit scanned copy of valid certificate in the name of the resource

**Server Storage/Database Expert = 0.5 Marks****a) Educational Qualification: 0.25Mark**

- BE/B.Tech = 0.25 Mark
- Else 0 Marks

**b) Project Handled as Server Storage/Database Expert/Cloud Expert: 0.25 Mark**

- > 2 Project= 0.25 Mark
- Else 0 Marks

**Notes:**

**The above-mentioned manpower should be on role of the sole bidder / consortium partners.**

Manpower plan for Implementation Phase and O&M Phase to be provided as per Bill of Quantity.

Any additional or support manpower shall be estimated and should be accounted for in the Commercial proposal by the selected bidder, so that, the project as per the scope defined and agreement are fulfilled, and the project objectives are met.

**4 Award of Contract****4.1 Notification of Award**

Authority will notify the Successful Bidder via letter / fax /email of its intent of accepting the bid. Within 7 days of receipt of the Letter of Intent (LOI) issued by the Authority, the Successful Bidder shall be required to sign the LOI and return the same to the address specified above as a token of acceptance of the LOI.

**4.2 Performance Bank Guarantee (PBG)**

Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank or a Scheduled Commercial Bank in the format prescribed in Section 8 - Annexure 5 (a), payable on demand, for the due performance and fulfilment of the contract by the bidder.

This Performance Bank Guarantee shall be for an amount equivalent to **5% of total contract value**. PBG shall be invoked by Authority, in the event the Bidder:

- Fails to meet the overall penalty condition as mentioned in RFP Volume II or any changes agreed between the parties,
- Fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority,
- Misrepresents facts/information submitted to Authority.

The performance bank guarantee shall be valid till satisfactory completion of Post Implementation Support. The performance bank guarantee may be discharged/returned by Authority upon being satisfied that there has been due performance of the obligations of the bidder under the contract. However, no interest shall be payable on the performance bank guarantee.

In the event of the Bidder being unable to service the contract for whatever reason(s), Authority shall have the right to invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of Authority under the contract in the matter, the proceeds of the PBG shall be payable to Authority as compensation for any loss resulting from the bidder's failure to perform/comply its obligations under the contract.

Authority shall notify the bidder in writing of the exercise of its right to receive such compensation within 40 days, indicating the contractual obligation(s) for which the bidder is in default. Authority shall also be entitled to make recoveries from the bidder's bills, performance bank guarantee, or from any other amount due to him, an equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

In case the project is delayed beyond the project schedule as mentioned in RFP Vol 2, the performance bank guarantee shall be accordingly extended by the Bidder till completion of scope of work as mentioned in RFP Volume II.

This Performance Bank Guarantee shall be valid up to a period of six months (6) after the contract completion period i.e. **72 Months ('Go- Live (6 Months)'+ 60 months of O&M+6 Months)** for the Solution.

On satisfactory performance and completion of the order in all respects and duly certified to this effect by the Project Coordinator, Contract Completion Certificate shall be issued and the PBG would be returned to the Bidder.

#### **4.3 Signing of Agreement**

After the notification of award, Authority will issue Purchase Order (PO)/Letter of Intent (LOI). Accordingly, a contract shall be signed between successful bidder and Authority or the agency designated by Authority. As an acceptance of the PO/LOI, the Bidder shall sign and return back a duplicate copy of the Purchase Order/Letter of Intent to the Authority or the agency designated by the Authority. The bidder shall return the duplicate copy along with a Performance Bank Guarantee within 15 working days from the date of issuance of PO/LOI.

On receipt of the Performance Bank Guarantee, Authority or the agency designated by Authority shall enter into a contract with the successful bidder. The Master Service Agreement is provided in RFP Volume III.

#### **4.4 Warranty & Maintenance**

Bidder shall also provide complete maintenance support for all the proposed integrated solution as outlined in this RFP for a period of Sixty months from the date of go-live i.e. "Go-Live" + 60 months. "Go-live" is the date on which the proposed solution is completely operational as per the requirements provided in this RFP and all the acceptance tests are successfully concluded to the satisfaction of Authority.

During the warranty period, the bidder shall warrant that the goods supplied under the contract are new, unused, of the most recent version/models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The bidder further warrants that the goods supplied under this contract shall have no defects arising from design, materials or workmanship.

Authority or designated representatives of the bidder shall promptly notify successful bidder in writing of any claims arising under this warranty. Upon receipt of such notice, the bidder shall, within the warranty period and with all reasonable speed, repair or replace the defective systems, without costs to Authority and within time specified and acceptable to Authority.

If the successful bidder, having been notified, fails to remedy the defect(s) within the period specified in the contract, Authority may proceed to take such reasonable remedial action as may be necessary, at the successful bidder's risk and expense and without prejudice to any other rights, which Authority may have against the bidder under the contract.

During the comprehensive warranty period, the successful bidder shall provide all product(s) and documentation updates, patches/fixes, and version upgrades within 15 days of their availability and should carry out installation and make operational the same at no additional cost to Authority.

The successful bidder hereby warrants Authority that:

- i. The implemented integrated solution represents a complete, integrated solution meeting all the requirements as outlined in the RFP and further amendments if any and provides the functionality and performance, as per the terms and conditions specified in the contract.
- ii. The proposed integrated solution shall achieve parameters delineated in the technical specification/requirement.
- iii. The successful bidder shall be responsible for warranty services from licensors of products included in the systems.
- iv. The successful bidder undertakes to ensure the maintenance of the acceptance criterion/standards in respect of the systems during the warranty period.

#### **4.5 Failure to agree with the Terms & Conditions of the RFP**

Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event Authority may award the contract to the next best value bidder or call for new bids.

In such a case, Authority shall invoke the PBG and/or forfeit the EMD.

#### **4.6 Concessions permissible under statutes**

Bidder, while quoting against this RFP, must take cognizance of all concessions permissible, if any, under the statutes and ensure the same is passed on to the Authority, failing which it will have to bear extra cost. In case Bidder does not avail concessional rates of levies like customs duty, excise duty, sales tax, etc., the authority will not take responsibility towards this. However, the Authority may provide necessary assistance, wherever possible, in this regard.

#### **4.7 Taxes**

The Bidders shall fully familiarize themselves about the applicable domestic taxes (such as GST, service tax, income taxes, duties, fees, levies etc.) on amounts payable by Authority under the Agreement. All such taxes must be included by Bidders in the Price Bid.

#### **4.8 Audit, Access and Reporting**

The following paras details the audit, access and reporting rights and obligations of Authority and/or its nominated agency and the Selected Bidder and its subcontractors, agents, supplier etc. This Schedule is in addition to, and in derogation of, the audit rights and process provided in the RFP.

##### **A. Audit Notice and Timings**

- i. As soon as reasonably practicable after the Effective Date, the Parties shall use their best endeavors to mutually agree to a timetable for routine audits (Other than those mentioned as part of the mandatory requirements for successful delivery and acceptance of the System) during the Project Implementation Phase and the O&M Phase. Authority shall conduct routine audits in accordance with such agreed timetable and shall not be required to give the Selected Bidder any further notice of carrying out such audits.
- ii. Authority may conduct unscheduled audits at its own discretion if it reasonably believes that such unscheduled audits are necessary as a result of a misconduct or an act of fraud by the Selected Bidder, a security violation, or breach of confidentiality obligations by the Selected Bidder, provided that the

requirement for such an audit is notified in writing to the Selected Bidder within a reasonable period time prior to the audit (taking into account the circumstances giving rise to the reasonable belief) stating the reasons for the requirement.

Except as provided in para (i) & (ii) above, audits shall be conducted with adequate notice of 2 weeks.

### **B. Access**

The Selected Bidder shall provide to Authority and/ or its nominated agency reasonable access to employees, subcontractors, suppliers, agents and third-party facilities as detailed in the RFP, documents, records and systems reasonably required for audit and shall provide all such

persons with routine assistance in connection with the audits and inspections. Authority or its nominated agency shall have the right to copy and retain copies of any relevant records. The Selected Bidder shall make every reasonable effort to cooperate with them.

### **C. Audit Rights**

Authority and/or its nominated agency shall have the right to audit and inspect suppliers, agents, subcontractors and third-party facilities (as detailed in the RFP), data center, documents, records, procedures and systems relating to the provision of the services, but only to the extent that they relate to the provision of the services, as shall be reasonably necessary to verify:

- i. The security, integrity and availability of all data processed, held, or conveyed by the [Selected Bidder] on behalf of the Authority and documentation related thereto;
- ii. That the actual level of performance of the services is the same as specified in the SLA;
- iii. That the Selected Bidder has complied with the relevant technical standards, and has adequate internal controls in place; and
- iv. The compliance of the Selected Bidder with any other obligation under the Agreement.
- v. Unless otherwise provided in the RFP, Security audit and implementation audit of the system shall be done once each year, the cost of which shall be borne by Authority.

For the avoidance of doubt the audit rights under this Schedule shall not include access to (i) the Selected Bidder's profit margins or overheads, (ii) any Confidential Information relating to its employees, or (iii) minutes of its internal Board or Board committee meetings including internal audit, or (iv) such other information of commercial-in-confidence nature which are not relevant to the Services associated with any obligation under the Agreement.

### **D. Audit rights of Subcontractors, Suppliers and agents**

- i. The Selected Bidder shall use reasonable endeavors to achieve the same audit and access provisions as defined in this Schedule with subcontractors, suppliers and agents who supply labour, services, equipment, or materials related to performance of obligations by Selected Bidder under the contract. Without prejudice to its other obligations under the contract, the Selected Bidder shall inform Authority and/or its nominated agency prior to concluding supply/ subcontract agreements of any failure to achieve the same rights of audit or access.

- ii. REPORTING: The Selected Bidder will provide quarterly reports to Authority and/or its nominated agency regarding any specific aspects of the Project and in context of the audit and access information as required by Authority or its nominated agency.

#### **E. Action and review**

- i. Any change or amendment to the systems and procedures of the Selected Bidder, where applicable arising from the audit report shall be agreed within thirty (30) calendar days from the submission of the said report.
- ii. Any discrepancies identified by any audit pursuant to this Schedule shall be immediately notified to Authority or its nominated agency and the Project Manager of the Selected Bidder who shall determine what action should be taken in respect of such discrepancies in accordance with the terms of the Agreement

#### **4.9 Records and Information**

For the purposes of audit in accordance with this Schedule, the Selected Bidder shall maintain true and accurate records in connection with the provision of the services and shall handover all the relevant records and documents upon the termination or expiry of this Agreement.

#### **4.10 Terms of Payment**

- i. The request for payment shall be made to the Authority in writing, accompanied by invoices describing, as appropriate, the services performed, and by the required documents submitted pursuant to conditions of the contract and upon fulfilment of all the obligations stipulated in the Contract.
- ii. The Authority shall make all efforts to make payments within thirty (30) days of receipt of invoice(s) and all necessary supporting documents.
- iii. The currency or currencies in which payments shall be made to the SI under this Contract shall be Indian Rupees (INR) only.
- iv. All remittance charges shall be borne by the SI.
- v. In case of disputed items, the disputed amount shall be withheld and shall be paid only after settlement of the dispute.
- vi. Any penalties/ liquidated damages, as applicable, for delay and non-performance, as mentioned in this RFP document, shall be deducted from the due payments of the respective milestones.
- vii. Taxes, as applicable, shall be deducted / paid, as per the prevalent rules and regulations
- viii. Payments to Selected Bidder, after successful completion of the target milestones (including specified project deliverables), shall be made as mentioned in Volume II of this RFP.

#### **4.11 Right to vary the scope of Work**

##### **(i) Right to vary Quantity**

- a. At the time of award of contract, the quantity of goods, works or services originally specified in the bidding documents may be increased. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.
- b. If the Authority does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances limited to variation upto 25% of the project, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding document.
- c. Repeat orders for extra items or additional quantities may be placed limited to variation upto 25% of the total project value, on the rates and conditions given in the contract. Delivery or completion period may also be proportionally increased.

- d. During the course of implementation and detailed due diligence, it may be required to vary the quantity and location of the field devices to suit the overall smart city requirements. The Selected Bidder should be required to provision and supply such field devices and the backend resources at the unit rates quoted in the tender response. Such escalations/additions may go up to 25% of the total Project value.

(ii) Extra (New) Items

- a. The extra items of the work shall not vitiate the contract. The reimbursement for extra items shall be validated by the tender inviting authority and approved by the client. The SI shall be bound to execute extra items of work as directed by the Tender Inviting Authority. The rates for extra items shall be worked out based on the unit rates quoted by the Bidder in Price Bid as per mutually agreed terms and conditions.
- b. For new items which are beyond the scope of the BoQ, RailTel, DRDM/ PSCDL authorized official/ agency shall validate the requirements and necessity of such new/extra items after due diligence, based on site conditions and work contingencies.
- c. The Selected Bidder shall submit in writing well in advance at least 14 days before the Authority a statement of extra items if any that they need to initiate during the course of project works.

(iii) Payment Certificates

- a. The Selected Bidder shall submit to the Tender Inviting Authority monthly statements of the estimated value of the work completed less the cumulative amount certified previously.
- b. The value of work executed shall be determined by the Tender Inviting Authority.
- c. The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.
- d. The Tender Inviting Authority may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

#### **4.12 Fraud and Corrupt Practices**

Authority requires that Bidder must observe the highest standards of ethics during the entire process of RFP evaluation and during execution of the contract. In pursuance of this policy, Authority defines, for the purpose of this provision, the terms set forth as follows:

- i. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of the Authority in contract executions.
- ii. "Fraudulent practice" means a misrepresentation of facts, in order to influence a procurement process or the execution of a contract, to the Authority, and includes collusive practice among Bidders (prior to or after Proposal submission) designed to establish Proposal prices at artificially high or non-competitive levels and to deprive the Authority of the benefits of free and open competition.
- iii. "Unfair trade practices" means supply of services different from what is ordered on, or change in the Scope of Work which is given by the Authority in Vol II of the RFP.
- iv. "Coercive Practices" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of a contract.

Authority shall reject the Bid proposal for award of contract, if it determines that the Bidder recommended for award, has been found to have been engaged in corrupt, fraudulent, or unfair trade practices. Once the contract is signed and if it is noticed that the SI has indulged into the Corrupt / Fraudulent / Unfair / Coercive practices, it will be a sufficient ground for the Authority without prejudice to its any other rights or remedies for termination of the contract and forfeit EMD or PBG and /or initiate black-listing of the SI.

**4.13 Conflict of Interest**

- a. A bidder shall not have a conflict of interest that may affect the Selection Process or the Solution delivery (the “Conflict of Interest”). Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, Authority shall forfeit and appropriate the EMD, if available, as mutually agreed genuine pre-estimated compensation and damages payable to Authority for, inter alia, the time, cost and effort of Authority including consideration of such Bidder’s Bid, without prejudice to any other right or remedy that may be available to Authority hereunder or otherwise.
- b. Authority requires that the bidder provides solutions which at all times hold Authority’s interests paramount, avoid conflicts with other assignments or its own interests, and act without any consideration for future work. The bidder shall not accept or engage in any assignment that would be in conflict with its prior or current obligations to other clients, or that may place it in a position of not being able to carry out the assignment in the best interests of Authority.

**4.14 Sub-Contracting**

The bidder would not be allowed to sub-contract work, except for the following:

- Fiber optic network build, other cabling and fixtures work, and all civil work during implementation
- Fiber optic network build, other cabling and fixtures work, and all civil work during maintenance.
- Facility Management Staff at Integrated Command & Control Center.
- Internet Service Provider/Network Service provider.
- Data Center (Cloud & On-Premise) & Cloud DR Solution Provider

The SI/Consortium Partners may sub-contract/outsource the OEM services like system configurations, commissioning, product servicing and upgradation support during O&M period from OEMs only.

Sub-contracting shall be informed to the Authority in advance. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the lead bidder. The lead bidder shall be held responsible for any delay/error/non-compliance etc. of its sub-contracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to Authority.

**5. Annexure 1 – Template for Pre-Bid Queries**

**Bidder shall submit all pre-bid queries in excel in the following format.**

Request for clarification	
Name and Address of the organization submitting request	
Name and Position of person submitting request	
Contact details of the Organization/ Authorized Representative	
Tel: Mobile: Fax: E-mail:	

Sl. No.	RFP Document Reference (Volume)	Section #	Page#	Content of the RFP requiring clarification	Clarification Sought

Bidders shall submit their queries at [pdysmartcity.rfp@railtelindia.com](mailto:pdysmartcity.rfp@railtelindia.com)

Queries not adhering to the specified format shall not be considered.

## 6. Annexure 2 – Formats for Submission of the Pre-Qualification Bid

### 6.1 Pre-qualification bid checklist

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
1	Bid Cover Letter and Particulars of organizations		
2	Bid Document Fees INR 50,000/- (Rupees Fifty Thousand only)		
3	E.M.D. of INR 3,20,00,000 (Rupees Three Crore Twenty Lakhs Only)		
4	Pre- Integrity Pact as per Annexure 16 of Volume-I of this RFP <i>(The details of Integrity Pact Program is enclosed at Annexure 15 Volume-I of this RFP.)</i>		
	Documents for meeting Technical Pre-qualification criteria as required under Para 3.5		
6	Details of Incorporation of the Bidder.		
7	Consortium agreement (if applicable)		
8	Copy of GST registration		
9	Certified copies of valid PAN documents		

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
10	Power of attorney / board resolution to the authorized Signatory of the Bid		
11	Self-declaration for non blacklisted.		
12	Certificate(s) from the statutory auditor/CA towards <b>average Turnover</b>		
13	Certificate(s) from the statutory auditor/CA towards <b>positive net worth</b>		
14	Project Experience		
17	Undertaking /Presence in Puducherry		
18	Manpower Strength		
18	Accreditation – ISO, CMMi Certifications		
19	Particulars of the bidders (As per section 6.3 of Annexure 2)		

## 6.2 Pre-Qualification Bid Covering Letter

Date: dd/ mm / yyyy

To,

Principal Executive Director, Enterprise Business  
 RailTel corporation of India Limited,  
 Plate-A, 6<sup>th</sup> Floor, Office Block no. 2, East Kidwai Nagar,  
 New Delhi -110023

**Sub: Request for Proposal for Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area.**

Ref: RFP No. <<.....>> dated <<...>>

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the services as required and outlined in the RFP for the Selection of System Integrator for **Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area.**

We attach here to our responses to pre-qualification requirements, Technical and Price Bids as required by the RFP. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered Authority 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 department 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 selection process, we are liable to be disqualified from the selection process or termination of the contract during the project, if selected to do so.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP Document and also agree to abide by this RFP response for a period of 180 days from the date fixed for bid submission. We hereby declare that in case the contract is awarded to us, we shall submit the performance bank guarantee bond in the form prescribed in the RFP.

We agree that you are not bound to accept any RFP response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the bids and also all or any of the products/ services specified in the RFP 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.

Thanking you,

Yours sincerely,

(Signature of the Lead bidder)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address:

**6.3 Company Profile****A. Brief company profile (required for both bidder and consortium member)**

#	Description	Details (to be filled by the bidder)
1	Name of the company	
2	Title of the Project	
3	State whether applying as Sole Firm or Lead member of a consortium	
4	Official address	
5	Phone No. and Fax No.	
6	Corporate Headquarters Address	
7	Phone No. and Fax No.	
8	Website Address	
9	Details of Company's Registration (Please enclose copy of the company registration document)	
10	Name of Registration Authority	
11	Registration Number and Year of Registration	
12	GST/CST/LST/VAT registration No. (as applicable)	
13	Permanent Account Number (PAN)	
14	Company's Turnover for last 3 years (Year wise)	
15	Company's Net Worth for the last 3 years (Year wise)	
16	If Lead Member, state the following details of other member firms: i) Name of firm: ii) Details of Company's Registration iii) Official address and principal place of Business	

#### 6.4 Declaration of Non-Blacklisting

*(To be submitted on Rs. 100 stamp paper and duly notarized)*

##### **Declaration for Lead Bidder:**

Place

Date

To,

Principal Executive Director, Enterprise Business  
RailTel corporation of India Limited,  
Plate-A, 6<sup>th</sup> Floor, Office Block no. 2, East Kidwai Nagar,  
New Delhi -110023

Subject: Self Declaration of not been blacklisted in response to the Request for Proposal for selection of **System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**”

Ref: RFP No. <<.....>> dated << .....>>

Dear Sir,

We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted in any manner whatsoever by any of the Central, State Government, Union Territories, Government Undertakings or Urban Local Bodied (ULB) in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.

(Signature of the Sole Bidder or Lead Bidder /all members of consortium in case of consortium)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address:

## 6.5 No Deviation Certificate

Place

Date

To,

Principal Executive Director, Enterprise Business  
RailTel corporation of India Limited,  
Plate-A, 6<sup>th</sup> Floor, Office Block no. 2, East Kidwai Nagar,  
New Delhi -110023

Subject: Self Declaration for No Deviation in response to the Request for Proposal for Selection of **System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**”

Ref: RFP No. <<.....>> dated << .....>>

This is to certify that our offer is exactly in line with your tender enquiry/RFP (including amendments) no. \_\_\_\_\_ dated \_\_\_\_\_. This is to expressly certify that our offer contains no deviation either Technical (including but not limited to Scope of Work, Business Requirements Specification, Functional Requirements Specification, Hardware Specification and Technical Requirements Specification) or Commercial in either direct or indirect form.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

## 6.6 Total Responsibility Certificate

Place

Date

To,

Principal Executive Director, Enterprise Business  
RailTel corporation of India Limited,  
Plate-A, 6<sup>th</sup> Floor, Office Block no. 2, East Kidwai Nagar,  
New Delhi -110023

Subject: Self Declaration for Total Responsibility in response to the Request for Proposal for Selection of **System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**”

Ref: RFP No. <<.....>> dated << .....>>

This is to certify that we undertake the total responsibility for the defect free operation of the proposed solutions as per the requirement of the RFP for the duration mentioned in all volume of the RFP.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

**6.7 Self-certificate for Project execution experience (In Bidding Entity's Letter Head)**

This is to certify that <Name of the Bidding entity> has been awarded with <Name of the Project> as detailed under:

Name of the Project	
Client's name, Contact No. and Complete Address	
Contract value for the Bidder (in Indian Rupees)	
Current status of the project (Completed/ Ongoing)	
Activities completed by bidding entity as on bid submission date  (N.B only relevant activities as sought in the criteria to be included)	
Value of work completed for which payment has been received from the client	
Date of Start	
Date of Completion	

(Authorized Signatory)

Signature:

Name:

Designation:

Bidding entity's name

Address:

Seal:

Date:

## Annexure 3 – Formats for Submission of the Technical Bid

### 6.8 General Instructions for the Technical Bid

Bidders have to submit a very structured and organized Technical Bid, which will be analysed by the Technical/Evaluation Committee for compliances with regards to the requirements of the project. Since the Price Bid shall be opened for only those bidders who qualify the minimum criteria for technical bid evaluation, the quality and completeness of the information submitted by the Bidder will matter a lot while finalizing the technical scores.

#### A. Bidders Profile segment: Bidder's Competence to execute the project

This document should bring about the capability of the bidder to execute this project. Some of the required documents are as follows:

- Experience of Bidder in Executing Projects in required Formats and supporting documents;
- Details of IT, Surveillance Domain Manpower in the firm;
- Other parameters as required

#### B. Proposed Team for the Project

As specified in the Technical Bid Evaluation Framework, client will give high importance on the quality and competence of the technical manpower proposed for the project. Bidder are required to propose separate resources for different skill-sets (during Design, Project Implementation & Post-Implementation). Following documentation is expected in this section:

- Overall Project Team (for Design, Project Implementation & Maintenance phases)
- Escalation Chart for the entire Project Duration
- Summary Table giving Qualification, Experiences, Certifications, Relevance
- Detail of the proposed resources in the Format attached

#### C. Technical Solution Proposed for the Project

Broad areas to be covered in the Technical Solution documentation are given below:

1. Describe the proposed Technical Solution in a structured manner. Following points should be captured in the same:
  - i. Clear articulation of the design, technical solution and various components proposed in the bid including make/model of equipment with sizing of infrastructure (including diagrams and calculations wherever applicable) proposed.
    - a. Justifications for selection of the proposed technology over other available options.
    - b. Extent of compliance to technical requirements specified in the scope of work
    - c. Technical Design and clear articulation of benefits to RAILTEL Corporation of India Limited (RailTel), Puducherry Smart City Development Limited (PSCDL) and other associated project stakeholders w.r.t. various components of the solution offered vis-à-vis other options available.
    - d. Strength of the Bidder to provide services including examples or case studies of similar solutions deployed for other clients.
    - e. Specific emphasis on fulfilling the requirement of analytics and artificial intelligence as specified in the RFP
    - f. Detailed Bill of Material for the solution proposed
  - ii. The overall technical solution should be structured in following sub-sections, which will be evaluated by Technical Committee for technical scores:

- a. Integrated Command & Control Centre (ICCC) ,Integration and Use cases
  - b. City App and Integration with other applications
  - c. Network Connectivity
  - d. City Surveillance System
  - e. Intelligent Traffic Management System (ITMS)
  - f. Environmental Sensors
  - g. Variable Message Display & Public Address System
  - h. Data Centre (DC) & Disaster Recovery (DR)
  - i. Assumptions
2. Provide detailed approach and methodology for Pre-Implementation, Implementation & Post-Implementation periods.
  3. Clearly articulate the Strategy and Approach & Methodology for installation, Configuration & Operationalization of all the key components of the project
  4. Approach & Methodology for Management of SLA Requirements specified in the RFP.
  5. Insight on Implementation of different Best Practices like ITIL, BS7799, Security Policy, etc.
  6. Detailed Project Plan with timelines, resource allocation, milestones etc. in for supply, installation and commissioning of the physical and IT components for the project.

**D. Compliance Table to the Technical requirement /Specifications.**

The Volume II of this RFP has specified the benchmark / minimum specifications for various components. Bidder is expected to give a comprehensive compliance sheet for the Product and services proposed by them. The Format to be used for this compliance matrix is as given in Annexure -2 of Volume II.

**All above mentioned documents shall have an index page with page numbers specified for all the key information / headers. (Not applicable for last document type).**

**IMPORTANT NOTE:** *The Bidders shall submit the Technical Solution Proposed and compliance to the min. specifications for the Project. The Bids submitted without these documents are liable to be rejected. The Technical/Evaluation Committee's decision shall be final and binding on all.* Format for submitting details on experience of Bidder (in case of Consortium please provide the details of lead member and other members separately)

**6.9 Technical Bid Check-List**

<b>SI #</b>	<b>Checklist Item</b>	<b>Compliance (Yes/No)</b>	<b>Page No. and Section No. in the Bid</b>
1	Technical Bid Letter		
2	Company Credential Summary		
3	Project Citations and Self-certifications, as applicable		
4	Detailed proposed solution		
5	Project plan and manpower plan		
6	Proposed CVs		
7	Compliance to Requirement (Technical / Functional Specifications)		
8	Proposed Bill of Material (un Priced)		
9	Manufacturers'/Producers' Authorization Form		
10	Cloud Service Providers Authorization Form		
11	Anti-Collusion Certificate		
12	Non-disclosure agreement		

## 6.10 Technical Bid Covering Letter

Date: dd/mm/yyyy

To,

Principal Executive Director, Enterprise Business  
RailTel corporation of India Limited,  
Plate-A, 6<sup>th</sup> Floor, Office Block no. 2, East Kidwai Nagar,  
New Delhi -110023

Subject: Request for Proposal for Selection of **System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**

Ref: RFP No. <<.....>> dated << .....>>

Dear Sir,

I (in case of single bidder) or We, <<name of the undersigned Bidder and consortium members>>, having read and examined in detail all the bidding documents in respect of **“System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area”** do hereby propose to provide our services as specified in the bid submitted by us.

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 declare that all the services shall be performed strictly in accordance with the RFP documents.

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 Authority, 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 department in its evaluation process. We also confirm that we shall not attract conflict of interest in principle.

We hereby declare that in case the contract is awarded to us, we shall submit the contract Performance bank guarantee in the form prescribed at Annexure 5 (a) of Section 9 of the RFP Volume I.

We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

We understand that our bid is binding on us and that you are not bound to accept a Bid you receive. This bid is valid for 180 days after opening of technical bid. We shall extend the validity of the bid if required by Authority.

Thanking you,

Yours sincerely,

(Signature of the Lead Bidder)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address

**6.11 Company Credential Summary**

S No.	Project name	Client Name	Client Type	Project Value (In Lakhs)	Project Components	Documentary Evidence	Project Status (completed or ongoing)
1.							
2.							
3.							
4.							
5.							

- Client type – Indicate whether the client is Government or PSU or ULB or Private
- Project Components – Indicate the major project components like application development for security surveillance, command and control center, Maintenance, Hardware procurement and deployment, DC equipment setup and maintenance, Facility management services, provisioning manpower, IT support and maintenance
- Documentary evidence provided – Indicate the documentary evidence provided with the detailed project credential like work order or purchase order and completion certificate from the client as defined in para 3.5 and 3.6.
- Project Status – Completed (date of project completion) or Ongoing (project start date)
- Fitment to Evaluation Criteria to be filled with Page number and the concerned TQ Criteria should be indicated.

**6.12 Bidder's Experience - Client Citations**

Sole or Lead Bidder and Consortium members are requested to furnish the credentials in the following format for both Pre-qualification and Technical criterion. All credentials should be followed by relevant documentary proof.

Name of the Project & Location	
Client's name, Contact No. and Complete Address	
Contract value for the Bidder (in Indian Rupees)	
Narrative description of project:	
Date of Start	
Date of Completion	
Activities undertaken by the bidder	
TQ Criteria Details	

## 6.13 Overview of Proposed Solution

### 6.13.1 Structure of Proposed Solution

Bidders are required to provide a detailed Approach & Methodology as part of their technical proposal along with presentation covering the following to execute the entire project. Bidders are advised to comply with the below provided headers/Approach components while detailing out their solution.

Sl. No	Item
1	Understanding of the project and Conformity to Volume 2 : scope of work functional requirement and system Architecture of the proposed solution as per requirement of the RFP
2	Proposed network and deployment architecture for DC/DR to meet the functionalities as given in RFP, covering ICCC.
3	Proposed security solution to safeguard against various threats including hacking attempts, cyber-crime, internal/ external threats etc.
4	Proposed solution for design & development of SOPs and KPIs, (list down all the SOPs & KPIs identified for the solution)
5	Proposed Network Detailed Architecture plan encompassing all ICT elements proposed in Volume 2
6	Completeness of project plan and ease of implementation (including training and change management plan)
7	Method of integration proposed with other IT initiative
8	Identification of major risks for the projects and suitable mitigation plan proposed for each of these risks
9	Methodology, tools and technologies to monitor and maintain all the SLAs and handling change requests
10	Proposed structure for: 1. Project Strategy 2. Project Management 3. Risk Management 4. Resource Plan 5. Project Governance Model
11	Detailed Business Plan highlighting Revenue Streams for relevant smart elements
12	What will be the approach towards the scalability, interoperability and modularity features considering the future expansion of the projects? (The response to this question shall be given considering growth of Smart Cities as well as new applications or systems that may be envisaged/developed in future)
13	Approach towards testing and quality assurance
14	How SLAs mentioned under this RFP will be measured? What tools will be used for SLA measurement?
15	Proposed solution ensures the fool proof security to the system from various threats including hacking attempts, internal threats, etc. Please explain in detail approach towards the security of the overall solution from external and internal threats
16	What are the key learning from the similar projects and how do you propose to incorporate them in executing this assignment.
17	Assessment of Manpower deployment, Training and Handholding plan Deployment strategy of Manpower Contingency management

	Mobilization of existing resources and additional resources as required
	Training and handholding strategy

Note: The same shall cover all the points mentioned in 3.6.1. C

**6.13.2 Project Plan**

A **Detailed Project Plan** covering break-up of each phase into the key activities, along with the start and end dates must be provided as per format given below.

<b>Activities Wise Timeline</b>							
S. No.	Detailed work breakdown structure	Month Wise Program					
		1	2	3	4	5	.....
	Project Plan						
1	Activity 1						
1.1	Sub-Activity 1						
1.2	Sub-Activity 2						

Note: The above activity chart is just for the purpose of illustration. Bidders are requested to provide detailed activity & phase wise timelines for executing the project with details of deliverables & milestones as per their bid.

**6.13.3 Manpower Plan**

I. Till Go-Live Implementation

<b>Activities Wise Timeline</b>									
S. No.	Role	Month wise time to be spent by each personnel (in days)						Total	
		1	2	3	4	5	.....		
1									Onsite
2									Onsite
3									Onsite
4									Onsite
5									Onsite
6									Onsite
7									Onsite
8									Onsite

II. Operation & Maintenance (After Go-Live Implementation)

<b>Activities Wise Timeline</b>									
S. No.	Man Power detailed breakup	Month wise time to be spent by each personnel (in days)						Total	
		Year 1	Year 2	Year 3	Year 4	Year 5	.....		
1									Onsite/Offsite
2									Onsite/Offsite
3									Onsite/Offsite
4									Onsite/Offsite
5									Onsite/Offsite
6									Onsite/Offsite
7									Onsite/Offsite
8									Onsite/Offsite
9									Onsite/Offsite



**6.15 Curriculum Vitae (CV) of Team Members**

Proposed Position:					
1	Name of firm				
2	Name of the staff				
3	Current Designation in the organisation				
5	Proposed responsibilities in the project				
5	Date of Birth				
6	Nationality				
7	Education	Qualification	Institute/University	Degree Obtained	Year of passing
8	Membership of Professional Associations:				
9	Summary of key training and Certifications				
10	Countries of work experience				
11	Language Proficiency	For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing			
12	Employment Record	Employer	Position	From	To
13	Total number of years of experience for the role proposed				
15	<b>Highlight of Relevant assignment handled and significant accomplishments that Best Illustrates the experience as required for the Role (Use following format for each project)</b>				
	<b>Name of Assignment</b> <b>Year</b> <b>Location</b> <b>Employer</b> <b>Main Project Features</b> <b>Position held</b> <b>Activities Performed</b>				

**6.16 Format for specifying Compliance to the benchmark / minimum Specifications**

The bidder should provide compliance to the requirement specifications (both technical and functional) specified in the Annexures of the Volume II of this RFP. The same should be reproduced here, and compliance against each requirement line item should be marked. .

This compliance would be needed in two Formats – 1) Summary table given below for all the items, 2) Compliance tables for each of the line item against the benchmark specifications specified in the Volume II of this RFP

**1) Summary Table of the Compliance of Requirements**

#	Component	Unit of Measurement	Quantity Proposed	Make & Model	Compliance to Required Specifications? (Yes / No)
1.	.....				
2.	.....				
3.	.....				

**2) Detailed compliance tables for each of the above-mentioned items against the benchmark specifications specified in the Volume II of this RFP**

Name of the Equipment:

#	Parameter	Minimum Specification / Requirement mentioned in the RFP	Compliance (Yes / No)	Explanation as to how Bidder is meeting the Compliance (along with cross references)	Remarks (If compliance is No) – state clearly if the deviation is having a +ve or –ve impact
1.	.....				
2.	.....				
3.	.....				

**6.17 Bill of Material**

The Bidder should provide the proposed Bill of Material (BoM) here. Bidders are required to mention the details of the make/brand and model against each line item, wherever applicable.

The Bidder shall quote only one specific make and model from only one specific OEM, for each of the line item. Providing more than one option shall not be allowed. Bidders are expected to do the site survey.

The bid can be considered non-responsive in the absence of such details and the bids will be summarily rejected. Once the bidder provides this information in the submitted bid, the bidder cannot change it with any other component / equipment etc. of lower specifications / performance; it can only be upgraded at the time of actual deployment/installation.

The list of items mentioned hereunder is indicative. The Bidder shall consider the components and quantity to fulfill the RFP and project requirements in totality. The BoM shall comply with the functional requirements given in Vol II of the RFP.

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
<b>A</b>	<b>Integrated Command &amp; Control Centre (ICCC)</b>						
<b>A1</b>	<b>ICCC Setup with IT &amp; Non-IT Infrastructure</b>						
1	The control room solution : SITC of DLP LED based Video wall cubes. Composed of 12 cubes in a 6 X 2 configuration with 70" diagonal size of each cube. Total size of Video wall approx 30 ft X 7 ft.	Hardware	Lot	1			
2	SITC of Video wall controller with cabling and other fixture and wall management software	Hardware	Lot	1			
3	SITC of Operator Workstation (Helpdesk) with dual monitor (22") with office productivity suite licenses with Antivirus	Hardware	Number	30			
4	Laptop for higher management with office productivity suite licenses	Hardware	Number	5			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
5	SITC of Network & WiFi enabled A4/A3/Legal Size MFP Colour Laser Printer/Scanner/Copier with ADF	Hardware	Number	2			
6	SITC of IP Phone	Hardware	Number	30			
7	SITC of Indoor Fixed Dome Cameras for internal surveillance	Hardware	Number	12			
8	SITC of Indoor Wi-Fi Access Points for CCC (3 rooms) with controller	Hardware	Lot	5			
9	SITC of Networking Cost (Passive Components such as LAN/CAT 6 Cabling)	Hardware	Lumpsum	1			
10	SITC of IP PABX for CCC including all accessories (500 users) with PRI modem pair (2 nos) and PRI lines (1)	Hardware	Lot	1			
11	SITC of Digital Set top box including recharge	Hardware	Number	4			
12	SITC of Video Conferencing Unit	Hardware	Number	1			
13	SITC of 55" LED display to present critical information Display (War Room/Reception/Meeting room)	Hardware	Number	4			
14	SITC of Microphone with respective accessories	Hardware	Number	30			
15	Headphones	Hardware	Number	30			
16	SITC of SMS Gateway	Hardware	Lot	1			
17	SITC of Projector	Hardware	Number	2			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
18	<p><b>Installation, Setting up, Interior, Configuration and Testing of Command and Control Centre</b></p> <p><b>Integrated Command Control Center = 1350 Sq.ft.</b></p> <p><b>Conference Room + Reception + Waiting area = 1400 Sq.ft.</b></p> <p><b>Data center Room = 250 Sq.ft</b></p> <p><b>Power room = 1110 Sq.ft</b></p> <p>ICCC Interior (panelling &amp; painting) and all necessary accessories, rodent repellent system, water leakage system, access control system works (Raised Floor, False Ceiling, Ceiling speakers, PVC conduits, MCBs, wiring, cable work, illumination, PA system, earthing, air conditioning, Fire detection and Fire suppression, Biometric system, civil, electrical, networking and with all standards). Face lifting of ICC Building.</p>	Service	Sq. ft.	4110			
19	Furniture and Fixtures for 30 operators, 2 manager desk, conference room (25 person), War room (10 person), Reception (1 desk), security room desk (2 person), house keeping (2 person)	Hardware	Lot	1			
20	SITC DG set for 200 KVA IT load with installation and commissioning with AMF panel, Earthing, Bed, power cable, change over with accessories	Hardware	Lot	2			
21	SITC of UPS 60KVA with 150 Ah SMF batteries backup 2 hrs	Hardware	Lot	2			
<b>A2</b>	<b>DC and DR Setup</b>						
1	Server hardware with licenses like OS, DB, third party applications etc	Hardware	Lot	1			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
2	Primary storage minimum and secondary storage and SAN switches with Backup license for application	Hardware	Lot	1			
3	Virtualisation (Hypervisor) software with license	Software	Lot	1			
4	Core Switch at ICCC	Hardware	Number	2			
5	Access Switch - 24 port at ICCC	Hardware	Number	6			
6	WAN Aggregation Switch at ICCC	Hardware	Number	2			
7	Core Router at ICCC	Hardware	Number	2			
8	AAA Solution	Hardware	Number	2			
9	24 Port L3 Top of the Rack (TOR) Switch	Hardware	Number	6			
10	Firewall	Hardware	Number	2			
11	SITC of Server Racks - (600 /1200) 42U with PDU and accessories	Hardware	Number	6			
12	SITC of Network Racks - (800 /1200) 42U with PDU and accessories	Hardware	Number	2			
13	HLD, LLD, Installation, configuration, integration and testing of all IT component at ICCC	Service	Lot	1			
14	Cloud based DR Setup for ICCC Platform and other smart solutions.	Service	Year	1			
15	SITC of Internet Connectivity- 1Gbps (from 2 Different ISP) to cloud and internet connectivity - 1Gbps (Only One ISP) for smart pole WiFi and indoor WiFi	Service/Year	Number	3			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
<b>A3</b>	<b>ICCC Applications and Software Platforms on DC and DR both</b>						
1	Centralized ICCC Platform with Perpetual License, integrated command and control software along with responder mobile application and integration with use cases during implementation and 5 years of O&M Period	Software and service	Lot	1			
2	Customization/ Integration of applications hosted by various departments and NIC during implementation and 5 years of O&M Period	Software and service	Lot	1			
3	Configurable dashboard	Software and service	Lot	1			
4	Enterprise Management System during implementation and 5 years of O&M Period (including SLA Management, Helpdesk Management, Element management system, Network Management) (DAP, NMS, Log Management, Patch Management, Asset Management ). Call Centre Management (Software + 10 user License) - Contact Center, ACD, IVR, Reporting, Voice Gateway , Recording.	Software	Lot	1			
<b>B</b>	<b>Intelligent Traffic Management System (ITMS) &amp; General Surveillance</b>						
<b>B1</b>	<b>Adaptive Traffic Control System (ATCS)</b>						
1	SITC of Traffic Controller	Hardware	Number	22			
2	SITC of Countdown Timer	Hardware	Number	80			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
3	SITC of pedestrain countdown Timer	Hardware	Number	80			
4	SITC of Vehicle Detector Camera with illuminator	Hardware	Number	80			
5	SITC of Cantilever Pole	Hardware	Number	80			
6	SITC of Standards Poles for Traffic Signal	Hardware	Number	80			
7	SITC of Traffic Light Aspect- Red	Hardware	Number	160			
8	SITC of Traffic Light Aspect-Green (Left, Straight and Right Arrow)	Hardware	Number	480			
9	SITC of Traffic Light Aspect-Amber	Hardware	Number	160			
10	SITC of Pedestrain Lamp head-stop & Walkman	Hardware	Number	160			
11	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	22			
12	SITC of UPS with batteries - UPS 2 KVA	Hardware	Number	22			
13	SITC of 24 Port L2 Industrial Grade Switch with POE at edge location	Hardware	Number	44			
14	HDPE Pipe as per requirement	Hardware	Meter	5000			
15	DWC pipe	Hardware	Meter	1000			
16	CAT6 Cable	Hardware	Meter	12000			
17	Pole Mounted Junction Box	Hardware	Number	80			
18	SITC of Network Switch 24 PORT	Hardware	Number	24			
19	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	22			
20	SITC of Intranet Router at DC	Hardware	Number	2			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
21	SFP and accessories	Hardware	LS	1			
22	SITC of Backbone routers	Hardware	Number	10			
23	ATCS Software Application with ICCC integration	Software	Lot	1			
24	Installation, Testing, Commissioning of Adaptive Traffic Control System (ATCS), with all accessories, electrical, networking, switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured power cable, Armoured Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	22			
<b>B2</b>	<b>Traffic Enforcement System (TES)</b>						
<b>1</b>	<b>SITC of Red Light Violation Detection (RLVD) System including No Helmet Detection, Wrong way, No seat belt and Triple Riding detection for covering 3 arms &amp; 6 lanes (2 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Junction</b>	<b>9</b>			
2	SITC of RLVD Overview Camera (Provisioned for Five Junction)	Hardware	Number	15			
<b>3</b>	SITC of ANPR Camera with illuminator	Hardware	Number	54			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
4	SITC of Local Processing unit (LPU)	Hardware	Number	9			
5	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	9			
6	Galvanized T/L shape poles	Hardware	Number	27			
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	9			
8	RLVD Software Application License with ICCC platform Integration (Provisioned for Five Junction)	Software	Number	15			
9	ANPR Software Application License with ICCC platform Integration	Software	Number	54			
10	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	54			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
11	<p>Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.</p>	Service	Lot	9			
12	<p><b>SITC of Red Light Violation Detection (RLVD) System including No Helmet Detection, wrong way, No seat belt and Triple Riding detection for covering 4 arms &amp; 8 lanes (2 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b></p>	Hardware	Junction	12			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
13	SITC of RLVD Overview Camera (Provisioned for Seven Junction)	Hardware	Number	28			
14	SITC of ANPR Camera with illuminator	Hardware	Number	96			
15	SITC of Local Processing unit (LPU)	Hardware	Number	12			
16	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	12			
17	Galvanized T/L shape poles	Hardware	Number	48			
18	RLVD Software Application License with ICC platform Integration (Provisioned for Seven Junction)	Software	Number	28			
19	ANPR Software Application License with ICC platform Integration	Software	Number	96			
20	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	96			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
21	<p>Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.</p>	Service	Lot	12			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
22	<b>SITC of Red Light Violation Detection (RLVD) System including No Helmet Detection, Wrong way, No seat belt and Triple Riding detection for covering 5 arms &amp; 13 lanes (2 2-Lanes in each arm, 3-3 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Junction</b>	<b>1</b>			
<b>23</b>	SITC of RLVD Overview Camera	Hardware	Number	5			
24	SITC of ANPR Camera with illuminator	Hardware	Number	13			
<b>25</b>	SITC of Local Processing unit (LPU)	Hardware	Number	2			
26	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	2			
<b>27</b>	Galvanized T/L shape poles	Hardware	Number	5			
28	RLVD Software Application License with ICC platform Integration	Software	Number	5			
<b>29</b>	ANPR Software Application License with ICC platform Integration	Software	Number	13			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
30	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	13			
31	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	1			
32	<b>SITC of Speed Detection System for covering 2 lanes in one direction with complete subcomponents including ANPR camera, wide angle evidence camera, IR illuminator, non intrusive speed sensor with cabling &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Lot</b>	<b>3</b>			
33	SITC of SVD Camera with illuminator	Hardware	Number	3			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
34	SITC of ANPR Camera with illuminator	Hardware	Number	6			
35	SITC of Local Processing unit (LPU)	Hardware	Number	3			
36	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	3			
37	Galvanized T/L shape poles	Hardware	Number	3			
38	Online UPS with batteries (2 hr. backup at full load) 2 KVA	Hardware	Number	3			
39	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	3			
40	SVD Software Application License with ICCC platform Integration	Software	Number	3			
41	ANPR Software Application License with ICCC platform Integration	Software	Number	6			
42	SITC of LED display for displaying speed limit	Hardware	Number	3			
43	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	3			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
<b>44</b>	<b>SITC of Entry-Exit Management System including covering 2 Lanes at each locations with complete hardware including ANPR cameras, Evidence camera, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Location</b>	<b>4</b>			
45	SITC of ANPR Camera with illuminator	Hardware	Number	16			
<b>46</b>	SITC of Local Processing unit (LPU)	Hardware	Number	4			
47	SITC of Evidence Camera with IR illuminator	Hardware	Number	8			
<b>48</b>	Galvanized T/L shape poles	Hardware	Number	8			
49	Online UPS with batteries (2 hr. backup at full load)	Hardware	Number	4			
<b>50</b>	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	4			
51	Evidence camera Software Application License with ICCC platform Integration	Software	Number	8			
<b>52</b>	ANPR Software Application License with ICCC platform Integration	Software	Number	16			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
53	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	4			
54	<b>SITC of Corridor Management System including covering 2 Lanes at each locations with complete hardware including ANPR cameras, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Corridor</b>	<b>3</b>			
55	SITC of ANPR Camera with illuminator	Hardware	Number	12			
56	SITC of Local Processing unit (LPU)	Hardware	Number	3			
57	Edge level Switches - 8 Port POE switch	Hardware	Number	3			
58	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	3			
59	Galvanized T/L shape poles	Hardware	Number	6			
60	SITC of Evidence camera with Illuminator	Hardware	Number	6			
61	SITC of Vehicle Detector Camera with illuminator	Hardware	Number	6			
62	Online UPS with batteries (2 hr. backup at full load, 2 Kva)	Hardware	Number	3			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
63	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	3			
64	Evidence camera Software Application License with ICC platform Integration	Software	Number	6			
65	ANPR Software Application License with ICC platform Integration	Software	Number	12			
66	Installation, Testing, Commissioning of Adaptive Traffic Control System (ATCS), with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured power cable, Armoured Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	3			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
67	<b>Integration with E-Challan software(Central/State/Local) , Application at ICCC, including integration with State RTO/ Vahan &amp; Sarathi, Payment Portal, City Mobile App (Emergency vehicles priority, Citizen Cop etc.) / Payment portal and Gateway, PUC integration, SMS portal etc.</b>						
68	Traffic monitoring and management system software integration with ICCC during implementation and 5 years of O&M Period	Software	Lot	1			
69	E-Challan handheld device with software application and integration with RTO during implementation and 5 years of O&M Period	Hardware/ software	Lot	25			
<b>B3</b>	<b>General Surveillance</b>						
1	SITC of Outdoor Fixed box camera (2 MP with all accessories) with illuminator	Hardware	Number	425			
2	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Hardware	Number	35			
3	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Hardware	Number	180			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
4	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Hardware	Number	180			
5	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Hardware	Number	180			
6	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	180			
7	VMS Base License with mobile app client to view all cameras with ICCC Platform Integration	Software	lot	1			
8	Video management system (supporting open standard / ONVIF ) - camera license (460 new cameras + 100 Existing IP cameras)	Software	Number	560			
9	Video Analytics (VA) Platform for all cameras with Video Synopsis with ICCC Platform Integration	Software	Lot	1			
10	Video Analytics (VA) on all cameras	Software	License	940			
11	SITC of Outdoor Field Junction Box for General Surveillance	Hardware	Number	180			
12	Networking cost (Passive Components : Junction box, LIU/ Patch panel, OFC, CAT6, Patch chord, Pipes, Earthing, Lightning arrestor, Electrical and earthing cables etc	Service	Lot	180			
13	Digging, piping and refilling including digging for electrical cabling	Service	Lot	180			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
14	SITC of Access/ overhead armoured OFC (as per ITU-T Rec.G.652 D(03/03 or latest)) , OFC patch cords, junction boxes, networking, civil, electrical and other accessories (65 Km) to connect various elements.	Service	Year	1			
<b>B4</b>	<b>Smart solution components (i.e., PA, ECB and VMD)</b>						
1	SITC of PA system (with speakers, UPS and all accessories) (PA for 18 junctions and remaining at various locations across city)	Hardware	Lot	36			
2	PA System Software Application with ICCC Platform Integration	Software	Lumpsum	1			
3	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Hardware	Lot	25			
4	Emergency Call Box (ECB) System Software Application Platform with ICCC Platform Integration	Software	Lot	1			
5	Variable Message Display (VMD) and VMD Controller (Approximately 3.8m X 1.9m) Double side display including VMS controller (with all accessories)	Hardware	Lot	11			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
6	Variable Message Display Software Application with ICCC Platform Integration	Software	Lot	1			
7	SITC of Environmental sensor	Hardware	Number	3			
8	SITC of IOT Gateway	Hardware	Number	3			
9	SITC of Edge level Switches - 8 port	Hardware	Number	40			
10	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	40			
11	SITC of Galvanized poles	Hardware	Number	40			
12	SITC of Online UPS with batteries (2 hr. backup at full load, 2Kva)-VMD and environmental sensor	Hardware	Number	40			
13	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	40			
14	SITC of Wireless integrated PA system with 10 speakers, amplifier and integration with existing wireless system	Hardware	Number	3			
15	VMD mounting structure, pole inclusive of all civil, electrical, erection, earthing work with necessary foundation for Variable Messaging Display	Service	Number	11			
<b>C</b>	<b>Other Smart Solution</b>						
<b>C1</b>	<b>Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)</b>						

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
1	SITC of Smart Pole with all necessary accessories (foundation, brackets, lighting arrestor, civil, network, electrical accessories) (12Mtrs)	Hardware	Number	12			
2	SITC of LED Luminaire (120w) with Smart Controllers	Hardware	Number	12			
3	SITC of IOT Gateway	Hardware	Number	12			
4	SITC of Digital Billboard (Approximately 1.9 m X 0.95m) for Smart Pole	Hardware	Number	12			
5	SITC of PA system (with speakers, UPS and all accessories)	Hardware	Lot	12			
6	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Hardware	Lot	12			
7	SITC CCTV Camera with illuminator	Hardware	Number	36			
8	SITC of Outdoor Wi-Fi Access Points with controller	Hardware	Number	12			
9	SITC Air Quality Monitoring sensors	Hardware	Number	12			
10	Smart Pole Application - Air quality, PA System, ECB System, VMB,LED, WiFi with ICC Platform Integration	Software	Lumpsum	1			
11	SITC of Online UPS with batteries (2 hr. backup at full load) 2 Kva	Hardware	Number	12			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
12	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	12			
<b>C2</b>	<b>Creation of online/mobile based platform to facilitate tourists &amp; visitors</b>						
1	Mobile App for Tourists & Citizens (iOS, Android) Training and Capacity building charges City Level Integration Platform Citizen engagement and Grievance Redressal Management Systems and back end workflow	Software	Lot	1			
2	City open data collaboration platform	Software	Lot	1			
<b>C3</b>	<b>Flood monitoring</b>						
<b>1</b>	SITC of Flood Sensor	Hardware	Number	20			
2	Flood Sensor Software Application License with ICCC platform Integration	Software	Lumpsum	1			
<b>3</b>	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Hardware	Number	20			
4	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Hardware	Number	20			
<b>5</b>	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Hardware	Number	20			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
6	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Hardware	Number	20			
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	20			
8	Video management system (supporting open standard / ONVIF ) - camera license	Software	Number	20			
9	SITC of Outdoor Field Junction Box for General Surveillance	Hardware	Lot	20			
10	Networking cost (Passive Components : Junction box, LIU/ Patch panel, OFC, CAT6, Patch chord, Pipes, Earthing, Lightning arrestor, Electrical and earthing cables etc	Service	Lot	20			
11	Digging, piping and refilling including digging for electrical cabling	Service	Lot	20			
<b>C4</b>	<b>Smart Kiosk</b>						
1	SITC of Smart Kiosk	Hardware	Number	10			
2	Smart Kiosk Software Application License with ICCC platform Integration	Software	Lumpsum	1			
<b>C5</b>	<b>Geographical Information System (GIS)</b>						

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Mak e/ Mod el	Model Detail s	Full Complianc e Y/N
1	<b>GIS information system - GIS Map Engine, Integration of shape files on base map, crowd sourcing based data and GIS platform with ICCC platform</b>	Software/ Service	Lot	1			
<b>C6</b>	<b>Optical Fiber Cabling (OFC)</b>						
1	Restoration charges	Service	Lumpsu m	1			
2	Supply and laying ,testing and commissioning of 24F armoured multitube double sheath single mode OFC (as per ITU-T Rec.G.652 D(03/03 or latest)) with 40mm HDPE Duct using HDD method and maintenance for 5 years after commissioning	Service	KM	36			
<b>C7</b>	<b>Manpower for Implementation Phase and O&amp;M</b>						
1	Project Manager - 1 no	Service	Number	1			
2	Solution Architect and Cloud expert - 1 no	Service	Number	1			
3	ICCC / command center Expert - 1no	Service	Number	1			
4	Network Architect - 1 no	Service	Number	1			
5	Security Infrastructure and CCTV specialist - 1 each	Service	Number	2			
6	GIS Expert - 1 no	Service	Number	1			
7	Data Management Expert / Analyst - 1 no	Service	Number	1			

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
8	Business Analyst/Use case/SOP Expert - 1 no	Service	Number	1			
9	Server / Storage/ Database Expert - 1 no	Service	Number	1			
10	ITMS & ATCS Expert - 1 no	Service	Number	1			
11	Electrical Engineer - 1 Person	Service	Number	1			
12	Electrical Technician - 2 Person	Service	Number	2			
13	OFC Expert - 1 no	Service	Number	1			
14	Helpdesk operator (20 no)	Service	Number	20			
15	Security staff (4 no)	Service	Number	4			
16	Civil Technician - 2 person	Service	Number	2			
17	Civil Engineer - 1 no	Service	Number	1			
18	Field Engineer - 5 Persons	Service	Number	5			
19	Office staff, Reception (3 no)	Service	Number	3			
<b>C8</b>	<b>Training, Certifications and Audit</b>						
1	Functional Training (20 Person)	Service	Batches	30			
2	Administrative Training (10 Person)	Service	Batches	5			
3	Sr. Management Training (10 Person)	Service	Batches	5			
4	Security Audit (VAPT with certificates STQC, CERT-IN) of Entire ICCC, Cloud, DC- DR at All Layers (Network, Application, Infra, OS, Kernel, ISO 27K)	Service	Lumpsum	2			
<b>D</b>	<b>Other Usecases</b>						
<b>D1</b>	<b>Digital assistant Application with ICCC platform Integration</b>						

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Make/ Model	Model Details	Full Compliance Y/N
1	Manpower (one person) at one location of smart kisok	Service	Number	1			

**6.18 Manufacturers'/Producers' Authorization Form**

*(This form has to be provided by the OEMs of the hardware and software solutions proposed. This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer.)*

Date:

To,

Principal Executive Director,  
 RailTel corporation of India Limited,  
 6th Floor, Plate -A , Office Block 2,  
 East Kidwai Nagar, New Delhi - 110023.

[                    ],

Subject: Manufacturer's Authorization Form

Ref: RFP No. <<.....>> dated << .....>>

Dear Sir,

We \_\_\_\_\_ (Name and address of the OEM) who are established and reputable manufacturers of \_\_\_\_\_ (List of Goods) having factories or product development centres at the locations \_\_\_\_\_ (addresses of manufacturing/development locations or as per list attached, do hereby authorize M/s \_\_\_\_\_ (Name and address of the Bidder) to bid, negotiate and conclude the contract with you against RFP No. \_\_\_\_\_ Dated \_\_\_\_\_ for the above equipment /software manufactured or developed by us.

The equipment/Software to be provided are listed below:

.....

.....

We hereby extend, our warranty for the equipment/software products supplied by the bidder and or maintenance or support services for software products against this invitation for bid by \_\_\_\_\_ (Name of the Bidder) as per requirements and for the duration of contract as specified in this RFP i. e. for a period of 60 Months from the date of Go Live.

We also confirm that our offered product will not be end of life for minimum of 60 months from the date of Go Live.

Thanking you,  
 Yours faithfully,  
 (Signature)

For and on behalf of: \_\_\_\_\_ (Name of the OEM)

Authorized Signatory

Name:

Designation:

Place:

Date:

MAF is required for the components including but not limited to the below list

Software Applications	
1.	Integrated Command and Control Software
.	VMS Application Licenses , Video Analytics
.	ANPR, SVD, RLVD Application Software
.	GIS Application Software
.	EMS
.	ATCS
.	Other applications (As per solution proposed)
Hardware Components	
	Cameras (All types)
	Edge Level Switches
	Data Center switches
	E-Challan Hand held devices
	Industrial grade outdoor PoE Switches
	Variable Messaging Display
	UPS
	Video Wall
	DG Set
	Firewall
	Server & Storage
	Others as per solution proposed.

**6.19 Anti-Collusion Certificate**

*[Certificate should be provided by Lead Bidder and on letter head]*

**Anti-Collusion Certificate**

We hereby certify and confirm that in the preparation and submission of our Bid for **Request for Proposal for Selection of Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**” against the RFP issued by Tender Inviting Authority, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing, which is or could be regarded as anti-competitive. We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or organization in connection with the instant bid.

(Signature of the Lead Bidder)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address:

## 7. Annexure 4 – Formats for Submission of the Commercial Bid

To,  
Principal Executive Director,  
RailTel corporation of India Limited,  
6th Floor, Plate -A , Office Block 2,  
East Kidwai Nagar, New Delhi - 110023.

**Subject:** Request for Proposal (RFP) for Selection of Master systems Integrator for Implementation of Integrated Command and Control Center (ICCC) and Smart Components in Puducherry City

**Ref:** Tender No :<No> Dated<DD/MM/YYYY>

We, the undersigned Bidder, having read and examined in detail all the RFP Documents in respect of Selection of Master systems Integrator for Implementation of Integrated Command and Control Center (ICCC) and Smart Components in Puducherry City do hereby propose to provide services as specified in the RFP Documents number Tender No :<No> Dated<DD/MM/YYYY>

We are herewith submitting our Price Bid online as per format of this RFP with following Terms and condition :

### PRICE AND VALIDITY

- All the prices mentioned by us in this Price Bid are in accordance with the terms as specified in the RFP Documents. All the prices and other terms and conditions of this RFP are valid for a period of 180 calendar days from the date of submission of the Bid.
- We hereby confirm that our prices include all taxes, charges, levies etc. to be payable to various govt./non-govt./local authorities.
- We understand and agree that the finalization/selection of the System Integrator is solely on the basis of the QCBS, subject to fulfilment of eligibility criteria.

Note: The Details has to be entered online only.

1. The Total price excluding taxes levies and Duties indicated above will be used for L1 calculations and will be considered as Lumpsum cost quoted by the bidder which should be uploaded online.
2. Taxes will be paid as per prevailing rates at the time of payment.
3. The SI/bidder has to ensure that their commercial bid contains reasonable unit rates of CAPEX and OPEX items. RailTel, DRDM / PSCDL may identify abnormally higher / lower unit rates of line items and the evaluation committee may take decision based on the same and seek justifications from bidders.
4. It is recommended that the **Total Capital Price (CAPEX)** quoted in the project should not **exceed 70% of Total Price quoted** in the commercial bid.
5. In case the bidder quotes higher figures (more than 70% of Total Price) towards CAPEX, the same shall be restricted to 70% while making payments towards CAPEX. Any value quoted towards CAPEX over and above 70% limit will be paid in equal monthly instalments during O&M phase along with monthly payment subject to the Clause for incentivizing the Bidder

**7.1 Price component for CAPEX**

The list of items indicated hereunder is indicative. The Bidder shall consider the components and quantity to fulfil the RFP and project requirements in totality.

	Nature of Work	Capex		Opex		Total Amount	
		Total Capex Amount without GST (INR)	Total Capex Amount with GST (INR)	Total Opex Amount without GST (INR)	Total Opex Amount with GST (INR)	Total Amount without GST (INR)	Total Amount with GST (INR)
<b>A</b>	<b>Integrated Command &amp; Control Centre (ICCC)</b>	-	-	-	-	-	-
A1	ICCC Setup with IT & Non-IT Infrastructure	-	-	-	-	-	-
A2	DC and DR Setup	-	-	-	-	-	-
A3	ICCC Applications and Software Platforms on DC and DR both	-	-	-	-	-	-
<b>B</b>	<b>Intelligent Traffic Management System (ITMS) &amp; General Surveillance</b>	-	-	-	-	-	-
B1	Adaptive Traffic Control System (ATCS)	-	-	-	-	-	-
B2	Traffic Enforcement System (TES)	-	-	-	-	-	-
B3	General Surveillance	-	-	-	-	-	-
B4	Smart solution components (i.e., PA, ECB and VMD)	-	-	-	-	-	-
<b>C</b>	<b>Other Smart Solutions</b>	-	-	-	-	-	-
<b>C1</b>	Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)	-	-	-	-	-	-
<b>C2</b>	Creation of online/mobile based platform to facilitate tourists & visitors	-	-	-	-	-	-
<b>C3</b>	Flood monitoring	-	-	-	-	-	-
<b>C4</b>	SITC of Smart Kiosk	-	-	-	-	-	-
<b>C5</b>	Geographical Information System (GIS)	-	-	-	-	-	-
<b>C6</b>	Optical Fiber Cabling (OFC)	-	-	-	-	-	-
<b>C7</b>	Manpower for Implementation Phase and O&M	-	-	-	-	-	-
<b>C8</b>	Training, Certifications and Audit	-	-	-	-	-	-
<b>D</b>	<b>Other Usecases</b>	-	-	-	-	-	-
<b>D1</b>	Digital assistant Application with ICCC platform Integration	-	-	-	-	-	-
<b>Total (A+B+C+D)</b>		-	-	-	-	-	-

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
<b>A</b>	<b>Integrated Command &amp; Control Centre (ICCC)</b>														
<b>A 1</b>	<b>ICCC Setup with IT &amp; Non-IT Infrastructure</b>														
1	The control room solution : SITC of DLP LED based Video wall cubes. Composed of 12 cubes in a 6 X 2 configuration with 70" diagonal size of each cube. Total size of Video wall approx 30 ft X 7 ft.	Hardware	Lot	1											
2	SITC of Video wall controller with cabling and other fixture and wall management software	Hardware	Lot	1											
3	SITC of Operator Workstation (Helpdesk) with Three monitor (22") with office productivity suite licenses.	Hardware	Number	30											
4	Laptop for higher management with office productivity suite licenses	Hardware	Number	5											
5	SITC of Network & WiFi enabled A4/A3/Legal Size MFP Colour Laser Printer/Scanner/Copier with ADF	Hardware	Number	2											
6	SITC of IP Phone	Hardware	Number	30											

RFP No. RCIL-2023-PDY-Smart City-RFP-01 (Modified)

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
7	SITC of Indoor Fixed Dome Cameras for internal surveillance	Hardware	Number	12											
8	SITC of Indoor Wi-Fi Access Points for CCC (3 rooms) with controller	Hardware	Lot	5											
9	SITC of Networking Cost (Passive Components such as LAN/CAT 6 Cabling)	Hardware	Lumpsum	1											
10	SITC of IP PABX for CCC including all accessories (500 users) with PRI modem pair (2 nos) and PRI lines (1)	Hardware	Lot	1											
11	SITC of Digital Set top box including recharge	Hardware	Number	4											
12	SITC of Video Conferencing Unit	Hardware	Number	1											
13	SITC of 55" LED display to present critical information Display (War Room/Reception/Meeting room)	Hardware	Number	4											
14	SITC of Microphone with respective accessories	Hardware	Number	30											
15	Headphones	Hardware	Number	30											
16	SITC of SMS Gateway	Hardware	Lot	1											
17	SITC of Projector	Hardware	Number	2											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
18	<b>Installation, Setting up, Interior, Configuration and Testing of Command and Control Centre Integrated Command Control Center = 1350 Sq.ft. Conference Room + Reception + Waiting area = 1400 Sq.ft. Data center Room = 250 Sq.ft Power room = 1110 Sq.ft</b> ICCC Interior (panelling & painting) and all necessary accessories, rodent repellent system, water leakage system, access control system works (Raised Floor, False Ceiling, Ceiling speakers, PVC conduits, MCBs, wiring, cable work, illumination, PA system, earthing, air conditioning, Fire detection and Fire suppression, Biometric system, civil, electrical, networking and with all standards). Face lifting of ICCC Building.	Service	Sq. ft.	4110											
19	Furniture and Fixtures for 30 operators, 2 manager desk, conference room (25 person), War room (10 person), Reception (1 desk), security room desk (2 person), house keeping (2 person)	Hardware	Lot	1											
20	SITC DG set for 200 KVA IT load with installation and commissioning with AMF panel, Earthing, Bed, power cable, change over with accessories	Hardware	Lot	2											
21	SITC of UPS 60KVA with 150 Ah SMF batteries backup 2 hrs	Hardware	Lot	2											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPE X with h GST (INR )
<b>A</b>	<b>DC and DR Setup</b>														
1	Server hardware with licenses like OS, DB, third party applications..etc	Hardware	Lot	1											
2	Primary storage minimum and secondary storage and SAN switches with Backup license for application	Hardware	Lot	1											
3	Virtualisation (Hypervisor) software with license	Software	Lot	1											
4	Core Switch at ICC	Hardware	Number	2											
5	Access Switch - 24 port at ICC	Hardware	Number	6											
6	WAN Aggregation Switch at ICC	Hardware	Number	2											
7	Core Router at ICC	Hardware	Number	2											
8	AAA Solution	Hardware	Number	2											
9	24 Port L3 Top of the Rack (TOR) Switch	Hardware	Number	6											
10	Firewall +IPS	Hardware	Number	2											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
11	SITC of Server Racks - (600 /1200) 42U with PDU and accessories	Hardware	Number	6											
12	SITC of Network Racks - (800 /1200) 42U with PDU and accessories	Hardware	Number	2											
13	HLD, LLD, Installation, configuration, integration and testing of all IT component at ICCC	Service	Lot	1											
14	Cloud DR Setup for ICCC Platfrom and other smart solutions.	Service	Year	1											
15	SITC of Internet Connectivity-1Gbps (from 2 Different ISP) to cloud and internet connectivity - 1Gbps (Only One ISP) for smart pole WiFi and indoor WiFi	Service/ Year	Number	3											
16	Centralised IT Security Solution	Software	Lot	1											
<b>A3</b>	<b>ICCC Applications and Software Platforms on DC and DR both</b>														
1	Centralized ICCC Platform with Perpetual License, integrated command and control software along with responder mobile application and integration with use cases during implementation and 5 years of O&M Period	Software and service	Lot	1											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
2	Customization/ Integration of applications hosted by various departments and NIC during implementation and 5 years of O&M Period	Software and service	Lot	1											
3	Configurable dashboard	Software and service	Lot	1											
4	Enterprise Management System during implementation and 5 years of O&M Period (including SLA Management, Helpdesk Management, Element management system, Network Management) (DAP, NMS, Log Management, Patch Management, Asset Management ). Call Centre Management (Software + 10 user License) - Contact Center, ACD, IVR, Reporting, Voice Gateway , Recording.	Software	Lot	1											
<b>B</b>	<b>Intelligent Traffic Management System (ITMS) &amp; General Surveillance</b>														
<b>B</b> <b>1</b>	<b>Adaptive Traffic Control System (ATCS)</b>														
1	SITC of Traffic Controller	Hardware	Number	22											

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#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
2	SITC of Countdown Timer	Hardware	Number	80											
3	SITC of pedestrain countdown Timer	Hardware	Number	80											
4	SITC of Vehicle Detector Camera with illuminator	Hardware	Number	80											
5	SITC of Cantilever Pole	Hardware	Number	80											
6	SITC of Standards Poles for Traffic Signal	Hardware	Number	80											
7	SITC of Traffic Light Aspect- Red	Hardware	Number	160											
8	SITC of Traffic Light Aspect- Green (Left, Straight and Right Arrow)	Hardware	Number	480											
9	SITC of Traffic Light Aspect- Amber	Hardware	Number	160											
10	SITC of Pedestrain Lamp heads- stop & Walkman	Hardware	Number	160											
11	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	22											
12	SITC of UPS with batteries - UPS 2 KVA	Hardware	Number	22											
13	SITC of 24 Port L2 Industrial Grade Switch with POE at edge location	Hardware	Number	44											
14	HDPE Pipe as per requirement	Hardware	Meter	5000											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
15	DWC pipe	Hardware	Meter	1000											
16	CAT6 Cable	Hardware	Meter	12000											
17	Pole Mounted Junction Box	Hardware	Number	80											
18	SITC of Network Switch 24 PORT	Hardware	Number	24											
19	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	22											
20	SITC of Intranet Router at DC	Hardware	Number	2											
21	SFP and accessories	Hardware	LS	1											
22	SITC of Backbone routers	Hardware	Number	10											
23	ATCS Software Application with ICCC integration	Software	Lot	1											
24	Installation, Testing, Commissioning of Adaptive Traffic Control System (ATCS), with all accessories, electrical, networking, switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured power cable, Armoured Cable jointing, terminating, trenching,	Service	Lot	22											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPE X with h GST (INR )
	compacting, backfilling as per the site conditions and ensuring the aesthetic look.														
<b>B 2</b>	<b>Traffic Enforcement System (TES)</b>														
<b>1</b>	<b>SITC of Red Light Violation Detection (RLVD) System including No Helmet Detection, Wrong way, No seat belt and Triple Riding detection for covering 3 arms &amp; 6 lanes (2 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	<b>Hardware</b>	<b>Junction</b>	<b>9</b>											
<b>2</b>	SITC of RLVD Overview Camera (Provisioned for Five Junction)	Hardware	Number	15											
<b>3</b>	SITC of ANPR Camera with illuminator	Hardware	Number	54											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
4	SITC of Local Processing unit (LPU)	Hardware	Number	9											
5	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	9											
6	Galvanized T/L shape poles	Hardware	Number	27											
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	9											
8	RLVD Software Application License with ICC platform Integration (Provisioned for Five Junction)	Software	Number	15											
9	ANPR Software Application License with ICC platform Integration	Software	Number	54											
10	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	54											
11	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	9											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
12	SITC of Red Light Voilation Detection (RLVD) System including No Helmet Detection, wrong way, No seat belt and Triple Riding detection for covering 4 arms & 8 lanes (2 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories & mounting infrastructure as required	Hardware	Junction	12											
13	SITC of RLVD Overview Camera (Provisioned for Seven Junction)	Hardware	Number	28											
14	SITC of ANPR Camera with illuminator	Hardware	Number	96											
15	SITC of Local Processing unit (LPU)	Hardware	Number	12											
16	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	12											
17	Galvanized T/L shape poles	Hardware	Number	48											
18	RLVD Software Application License with ICC platform Integration (Provisioned for Seven Junction)	Software	Number	28											
19	ANPR Software Application License with ICC platform Integration	Software	Number	96											
20	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	96											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
21	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	12											
22	<b>SITC of Red Light Voilation Detection (RLVD) System including No Helmet Detection, Wrong way, No seat belt and Triple Riding detection for covering 5 arms &amp; 13 lanes (2 2-Lanes in each arm, 3-3 Lanes in each arm) at each junction with complete hardware including ANPR cameras, Overview Cameras, IR Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	Hardware	Junction	1											
23	SITC of RLVD Overview Camera	Hardware	Number	5											
24	SITC of ANPR Camera with illuminator	Hardware	Number	13											
25	SITC of Local Processing unit (LPU)	Hardware	Number	2											
26	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	2											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
27	Galvanized T/L shape poles	Hardware	Number	5											
28	RLVD Software Application License with ICCC platform Integration	Software	Number	5											
29	ANPR Software Application License with ICCC platform Integration	Software	Number	13											
30	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Software	Number	13											
31	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	1											
32	<b>SITC of Speed Detection System for covering 2 lanes in one direction with complete subcomponents including ANPR camera, wide angle evidence camera, IR illuminator, non intrusive speed sensor with cabling &amp; mounting infrastructure as required</b>	Hardware	Lot	3											
33	SITC of SVD Camera with illuminator	Hardware	Number	3											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
34	SITC of ANPR Camera with illuminator	Hardware	Number	6											
35	SITC of Local Processing unit (LPU)	Hardware	Number	3											
36	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	3											
37	Galvanized T/L shape poles	Hardware	Number	3											
38	Online UPS with batteries (2 hr. backup at full load) 2 KVA	Hardware	Number	3											
39	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	3											
40	SVD Software Application License with ICC platform Integration	Software	Number	3											
41	ANPR Software Application License with ICC platform Integration	Software	Number	6											
42	SITC of LED display for displaying speed limit	Hardware	Number	3											
43	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting,	Service	Lot	3											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
	backfilling as per the site conditions and ensuring the aesthetic look.														
44	SITC of Entry-Exit Management System including covering 2 Lanes at each locations with complete hardware including ANPR cameras, Evidence camera, Local Processing Unit, with cabling, accessories & mounting infrastructure as required	Hardware	Location	4											
45	SITC of ANPR Camera with illuminator	Hardware	Number	16											
46	SITC of Local Processing unit (LPU)	Hardware	Number	4											
47	SITC of Evidence Camera with IR illuminator	Hardware	Number	8											
48	Galvanized T/L shape poles	Hardware	Number	8											
49	Online UPS with batteries (2 hr. backup at full load)	Hardware	Number	4											
50	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	4											
51	Evidence camera Software Application License with ICCC platform Integration	Software	Number	8											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
52	ANPR Software Application License with ICCC platform Integration	Software	Number	16											
53	Installation, Testing, Commissioning with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured Power Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	4											
54	<b>SITC of Corridor Management System including covering 2 Lanes at each locations with complete hardware including ANPR cameras, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>	Hardware	Corridor	3											
55	SITC of ANPR Camera with illuminator	Hardware	Number	12											
56	SITC of Local Processing unit (LPU)	Hardware	Number	3											
57	Edge level Switches - 8 Port POE switch	Hardware	Number	3											
58	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	3											
59	Galvanized T/L shape poles	Hardware	Number	6											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
60	SITC of Evidence camera with Illuminator	Hardware	Number	6											
61	SITC of Vehicle Detector Camera with illuminator	Hardware	Number	6											
62	Online UPS with batteries (2 hr. backup at full load, 2 Kva)	Hardware	Number	3											
63	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	3											
64	Evidence camera Software Application License with ICCC platform Integration	Software	Number	6											
65	ANPR Software Application License with ICCC platform Integration	Software	Number	12											
66	Installation, Testing, Commissioning of Adaptive Traffic Control System (ATCS), with all accessories, electrical, networking, Switch, UPS, foundation, etc. work. Including complete cabling and civil works as required including but not limited to HDPE Pipe at road crossing, island, median etc. DWC pipe, Armoured power cable, Armoured Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Service	Lot	3											
67	<b>Integration with E-Challan software(Central/State/Local), Application at ICCC, including integration with State RTO/ Vahan &amp; Sarathi, Payment Portal, City Mobile</b>														

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
	<b>App (Emergency vehicles priority, Citizen Cop etc.) / Payment portal and Gateway, PUC integration, SMS portal etc.</b>														
68	Traffic monitoring and management system software integration with ICCV during implementation and 5 years of O&M Period	Software	Lot	1											
69	E-Challan handheld device with software application and integration with RTO during implementation and 5 years of O&M Period	Hardware/ software	Lot	25											
<b>B 3</b>	<b>General Surveillance</b>														
1	SITC of Outdoor Fixed box camera (2 MP with all accessories) with illuminator	Hardware	Number	425											
2	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Hardware	Number	35											
3	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Hardware	Number	180											
4	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Hardware	Number	180											
5	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Hardware	Number	180											

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#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
6	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	180											
7	VMS Base License with mobile app client to view all cameras with ICCV Platform Integration	Software	lot	1											
8	Video management system (supporting open standard / ONVIF ) - camera license (460 new cameras + 100 Existing IP cameras)	Software	Number	560											
9	Video Analytics (VA) Platform for all cameras with Video Synopsis with ICCV Platform Integration	Software	Lot	1											
10	Video Analytics (VA) on all cameras	Software	Licence	940											
11	SITC of Outdoor Field Junction Box for General Surveillance	Hardware	Number	180											
12	Networking cost (Passive Components : Junction box, LIU/ Patch panel, OFC, CAT6, Patch chord, Pipes, Earthing, Lightning arrestor, Electrical and earthing cables etc	Service	Lot	180											
13	Digging, piping and refilling including digging for electrical cabling	Service	Lot	180											
14	SITC of Access/ overhead armoured OFC (as per ITU-T Rec.G.652 D(03/03 or latest)) , OFC patch cords, junction boxes, networking, civil, electrical and other accessories (65 Km) to connect various elements.	Service	Year	1											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
<b>B 4</b>	<b>Smart solution components (i.e., PA, ECB and VMD)</b>														
1	SITC of PA system (with speakers, UPS and all accessories) (PA for 18 junctions and remaining at various locations across city)	Hardware	Lot	36											
2	PA System Software Application with ICCC Platform Integration	Software	Lumps um	1											
3	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Hardware	Lot	25											
4	Emergency Call Box (ECB) System Software Application Platform with ICCC Platform Integration	Software	Lot	1											
5	Variable Message Display (VMD) and VMD Controller (Approximately 3.8m X 1.9m) Double side display including VMS controler (with all accessories)	Hardware	Lot	11											
6	Variable Message Display Software Application with ICCC Platform Integration	Software	Lot	1											
7	SITC of Environmental sensor	Hardware	Numb er	3											
8	SITC of IOT Gateway	Hardware	Numb er	3											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
9	SITC of Edge level Switches - 8 port	Hardware	Number	40											
10	SITC of Outdoor Field Junction Box with all necessary accessories	Hardware	Lot	40											
11	SITC of Galvanized poles	Hardware	Number	40											
12	SITC of Online UPS with batteries (2 hr. backup at full load, 2Kva)- VMD and environmental sensor	Hardware	Number	40											
13	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	40											
14	SITC of Wireless integrated PA system with 10 speakers, amplifier and integration with existing wireless system	Hardware	Number	3											
15	VMD mounting structure, pole inclusive of all civil, electrical, erection, earthing work with necessary foundation for Variable Messaging Display	Service	Number	11											
<b>C</b>	<b>Other Smart Solution</b>														
<b>C</b>	<b>Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)</b>														
<b>1</b>	SITC of Smart Pole with all necessary accessories (foundation, brackets, lighting arrestor, civil, network, electrical accessories) (12Mtrs)	Hardware	Number	12											

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#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
2	SITC of LED Luminaire (120w) with Smart Controllers	Hardware	Number	12											
3	SITC of IOT Gateway	Hardware	Number	12											
4	SITC of Digital Billboard (Approximately 1.9 m X 0.95m) for Smart Pole	Hardware	Number	12											
5	SITC of PA system (with speakers, UPS and all accessories)	Hardware	Lot	12											
6	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Hardware	Lot	12											
7	SITC CCTV Camera with illuminator	Hardware	Number	36											
8	SITC of Outdoor Wi-Fi Access Points with controller	Hardware	Number	12											
9	SITC Air Quality Monitoring sensors	Hardware	Number	12											
10	Smart Pole Application - Air quality, PA System, ECB System, VMB,LED, WiFi with ICCC Platform Integration	Software	Lumpsum	1											
11	SITC of Online UPS with batteries (2 hr. backup at full load) 2 Kva	Hardware	Number	12											
12	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	12											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
<b>C2</b>	<b>Creation of online/mobile based platform to facilitate tourists &amp; visitors</b>														
1	Mobile App for Tourists & Citiznes (iOS, Android) Training and Capacity building charges City Level Integration Platform Citizen engagement and Grievance Redressal Management Systems and back end workflow	Software	Lot	1											
2	City open data colloboration platform	Software	Lot	1											
<b>C3</b>	<b>Flood monitoring</b>														
1	SITC of Flood Sensor	Hardware	Number	20											
2	Flood Sensor Software Application License with ICCC platform Integration	Software	Lumps um	1											
3	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Hardware	Number	20											
4	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Hardware	Number	20											
5	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Hardware	Number	20											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
6	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Hardware	Number	20											
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Hardware	Number	20											
8	Video management system (supporting open standard / ONVIF ) - camera license	Software	Number	20											
9	SITC of Outdoor Field Junction Box for General Surveillance	Hardware	Lot	20											
10	Networking cost (Passive Components : Junction box, LIU/ Patch panel, OFC, CAT6, Patch chord, Pipes, Earthing, Lightning arrestor, Electrical and earthing cables etc	Service	Lot	20											
11	Digging, piping and refilling including digging for electrical cabling	Service	Lot	20											
<b>C 4</b>	<b>Smart Kiosk</b>														
1	SITC of Smart Kiosk	Hardware	Number	10											
2	Smart Kiosk Software Application License with ICCC platform Integration	Software	Lumpsum	1											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
<b>C5</b>	<b>Geographical Information System (GIS)</b>														
1	GIS information system - GIS Map Engine, Integration of shape files on base map, crowd sourcing based data and GIS platform with ICCC platform	Software/ Service	Lot	1											
<b>C6</b>	<b>Optical Fiber Cabling (OFC)</b>														
1	Restoration charges	Service	Lumpsum	1											
2	Supply and laying ,testing and commissioning of 24F armoured multitube double sheath single mode OFC (as per ITU-T Rec.G.652 D(03/03 or latest)) with 40mm HDPE Duct using HDD method and maintenance for 5 years after commissioning	Service	KM	36											
<b>C7</b>	<b>Manpower for Implementation Phase and O&amp;M</b>														
1	Project Manager - 1 no	Service	Number	1											

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2	Solution Architect and Cloud expert - 1 no	Service	Number	1											
3	ICCC / command center Expert - 1no	Service	Number	1											
4	Network Architect - 1 no	Service	Number	1											
5	Security Infrastructure and CCTV specialist - 1 each	Service	Number	2											
6	GIS Expert - 1 no	Service	Number	1											
7	Data Management Expert / Analyst - 1 no	Service	Number	1											
8	Business Analyst/Use case/SOP Expert - 1 no	Service	Number	1											
9	Server / Storage/ Database Expert - 1 no	Service	Number	1											
10	ITMS & ATCS Expert - 1 no	Service	Number	1											
11	Electrical Engineer - 1 Person	Service	Number	1											
12	Electrical Technician - 2 Person	Service	Number	2											
13	OFC Expert - 1 no	Service	Number	1											
14	Helpdesk operator (20 no)	Service	Number	20											

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GST % on OPEX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAPEX + OPEX with GST (INR)
15	Security staff (4 no)	Service	Number	4											
16	Civil Technician - 2 person	Service	Number	2											
17	Civil Engineer - 1 no	Service	Number	1											
18	Field Engineer - 5 Persons	Service	Number	5											
19	Office staff, Reception (3 no)	Service	Number	3											
<b>C</b> <b>8</b>	<b>Training, Certifications and Audit</b>														
1	Functional Training (20 Person)	Service	Batches	30											
2	Administrative Training (10 Person)	Service	Batches	5											
3	Sr. Management Training (10 Person)	Service	Batches	5											
4	Security Audit (VAPT with certificates STQC, CERT-IN) of Entire ICCC, Cloud, DC- DR at All Layers (Network, Application, Infra, OS, Kernel, ISO 27K)	Service	Lumpsum	2											
<b>D</b>	<b>Other Usecases</b>														

#	Nature of Work	Type: Hardware/ Software/ Services	UoM	Qty	Unit Rate (INR)	GST % on CAPEX	Total CAPEX Amount with out GST (INR)	Total CAPEX Amount with GST (INR)	OPEX Duration (in Year)	Per Year OPEX Amount	GS T % on OP EX	Total OPEX Amount with out GST for 5 Year	Total OPEX Amount with GST for 5 Year	CAPEX + OPEX with out GST (INR)	CAP EX + OPEX with GST (INR)
<b>D 1</b>	<b>Digital assistant Application with ICCC platform Integration</b>														
1	Manpower (one person) at one location of smart kiosk	Service	Number	1											

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The Authority will decide total Man months/man power required during O&M phase. Bidder is required to quote for the following staff.

<b>S. No</b>	<b>Resource Requirement for Implementation Phase</b>	<b>No. of Resources</b>
1.	Project Manager - 1 no	<b>1</b>
2.	Solution Architect - 1 no	<b>1</b>
3.	ICCC Expert - 1no	<b>1</b>
4.	Network Architect - 1 no	<b>1</b>
5.	Security Infrastructure and CCTV specialist - 1 each	<b>2</b>
6.	GIS Expert - 1 no	<b>1</b>
7.	Data Management Expert - 1 no	<b>1</b>
8.	Business Analyst/Use case/SOP Expert - 1 no	<b>1</b>
9.	Server Storage/ Database Expert - 1 no	<b>1</b>
10.	ITMS & ATCS Expert - 1 no	<b>1</b>
11.	Electrical Engineer - 1 Person	<b>1</b>
12.	Electrical Technician - 2 Person	<b>2</b>
13.	OFC Expert - 1 no	<b>1</b>
14.	Helpdesk operator (20 no)	<b>20</b>
15.	Security staff (4 no)	<b>4</b>
16.	Civil Technician - 2 person	<b>2</b>
17.	Civil Engineer - 1 no	<b>1</b>
18.	Field Engineer - 5 Persons	<b>5</b>
19.	Office staff, Reception (3 no)	<b>3</b>

## 8. Annexure 5 (a) – Performance Bank Guarantee

Ref: \_\_\_\_\_

Date \_\_\_\_\_

Bank Guarantee No. \_\_\_\_\_

<Name>

<Designation>

<Address><P

hone

Nos.><Fax

Nos.><Email

id>

Whereas, <<name of the supplier and address>> (hereinafter called “the System Integrator”) has undertaken, in pursuance of contract no. <Insert Contract No.> dated. <Date> to provide Implementation services for <<name of the assignment>> to Puducherry Smart City Corporation Limited(hereinafter called “the Authority”)

And whereas it has been stipulated by in the said contract that the bidder shall furnish you with a bank guarantee by a Naionalised or Scheduled bank for the sum specified therein as security for compliance with its obligations in accordance with the contract;

And whereas we, <Name of Bank> a banking company incorporated and having its head/registered office at <Address of Registered Office> and having one of its office at <Address of Local Office> have agreed to give the supplier such a bank guarantee.

Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of Indian Rupees<Insert Value> (Rupees <Insert Value in Words> only) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of Indian Rupees<Insert Value> (Rupees <Insert Value in Words> only) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the bidder before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the System Integrator shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This Guarantee shall be valid until <<Insert Date>>)

Notwithstanding anything contained herein:

I. Our liability under this bank guarantee shall not exceed Indian Rupees<Insert Value> (Rupees <Insert Value in Words> only).

II. This bank guarantee shall be valid up to <Insert Expiry Date>

III. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this bank guarantee that we receive a valid written claim or demand for payment under this bank guarantee on or before <Insert Expiry Date>) failing which our liability under the guarantee will automatically cease.

Date	_____		
Place	_____	Signature	_____
			_____
Witness	_____	Printed name	_____
			_____

**(Bank's common seal)**

## 9. Annexure 5 (b): – Bank Guarantee for Earnest Money Deposit

To,

Principal Executive Director,  
RailTel corporation of India Limited,  
6th Floor, Plate -A , Office Block 2,  
East Kidwai Nagar, New Delhi - 110023.

<Phone Nos.>

<Fax Nos.>

<Email id>

Whereas <<Name of the bidder>> (hereinafter called 'the System Integrator') has submitted the bid for Submission of RFP <<RFP Number>> dated <<Date>> for <<Name of the assignment>> (hereinafter called "the Bid") to <<Authority>> .

Know all Men by these presents that we <<... >> having our office at <<Address>> (hereinafter called "the Bank") are bound unto the <<Authority>> (hereinafter called "the Authority") in the sum of Indian Rupees<<Amount in figures>> (Rupees <<Amount in words>> only) for which payment well and truly to be made to the said Authority, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this <<Date>>.

The conditions of this obligation are:

1. If the Bidder having its bid withdrawn during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its bid by the Authority during the period of validity of bid
  - (a) Withdraws his participation from the bid during the period of validity of bid document; or
  - (b) Fails or refuses to participate in the subsequent Tender process after having been short listed;

We undertake to pay to the Authority up to the above amount upon receipt of its first written demand, without the Authority having to substantiate its demand, provided that in its demand the Authority will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to <<insert date>> and including <<extra time over and above mandated in the RFP>> from the last date of submission and any demand in respect thereof should reach the Bank not later than the above date.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

I. Our liability under this Bank Guarantee shall not exceed Indian Rupees<<Amount in figures>> (Rupees

<<Amount in words>> only)

II. This Bank Guarantee shall be valid up to <<*insert date*>>)

III. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this Bank Guarantee that we receive a valid written claim or demand for payment under this Bank Guarantee on or before <<*insert date*>>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:

## 10. Annexure: 6 – Non-Disclosure Agreement

WHEREAS, we the undersigned Bidder, \_\_\_\_\_, having our principal place of business or registered office at \_\_\_\_\_, are desirous of bidding for RFP No. <<>> dated <<DD-MM-2015>> “**Request for Proposal for Selection of Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area**” (hereinafter called the said 'RFP') to the “RailTel, DRDM / PSCDL Corporation of India Limited”, hereinafter referred to as 'Authority'

And,

WHEREAS, the Bidder is aware and confirms that the Authority's business or operations, information, application or software, hardware, business data, architecture schematics, designs, storage media and other information or documents made available by the Authority in the RFP documents during the bidding process and thereafter, or otherwise (confidential information for short) is privileged and strictly confidential and or proprietary to the Authority,

NOW THEREFORE, in consideration of disclosure of confidential information, and in order to ensure the Authority's grant to the Bidder of specific access to Authority's confidential information, property, information systems, network, databases and other data, the Bidder agrees to all of the following conditions.

It is hereby agreed as under:

1. The confidential information to be disclosed by the Authority under this Agreement (“Confidential Information”) shall include without limitation, any and all information in written, representational, electronic, verbal or other form relating directly or indirectly to processes, methodologies, algorithms, risk matrices, thresholds, parameters, reports, deliverables, work products, specifications, architecture, project information, security or zoning strategies & policies, related computer programs, systems, trend analysis, risk plans, strategies and information communicated or obtained through meetings, documents, correspondence or inspection of tangible items, facilities or inspection at any site to which access is permitted by the Authority.
2. Confidential Information does not include information which:
  - a. the Bidder knew or had in its possession, prior to disclosure, without limitation on its confidentiality;
  - b. information in the public domain as a matter of law;
  - c. is obtained by the Bidder from a third party without any obligation of confidentiality;
  - d. the Bidder is required to disclose by order of a competent court or regulatory authority;
  - e. Is released from confidentiality with the written consent of the Authority.

The Bidder shall have the burden of proving hereinabove are applicable to the information in the possession of the Bidder.

3. The Bidder agrees to hold in trust any Confidential Information received by the Bidder, as part of the Tendering process or otherwise, and the Bidder shall maintain strict confidentiality in respect of such Confidential Information, and in no event a degree of confidentiality less than the Bidder uses to protect its own confidential and proprietary information. The Bidder also agrees:
  - a. to maintain and use the Confidential Information only for the purposes of bidding for this RFP and thereafter only as expressly permitted herein;
  - b. to only make copies as specifically authorized by the prior written consent of the Authority and with the same confidential or proprietary notices as may be printed or displayed on the original;
  - c. to restrict access and disclosure of Confidential Information to their employees, agents, consortium members and representatives strictly on a "need to know" basis, to maintain confidentiality of the Confidential Information disclosed to them in accordance with this clause; and
  - d. To treat Confidential Information as confidential unless and until Authority expressly notifies the Bidder of release of its obligations in relation to the said Confidential Information.
4. Notwithstanding the foregoing, the Bidder acknowledges that the nature of activities to be performed as part of the Tendering process or thereafter may require the Bidder's personnel to be present on premises of the Authority or may require the Bidder's personnel to have access to software, hardware, computer networks, databases, documents and storage media of the Authority while on or off premises of the Authority. It is understood that it would be impractical for the Authority to monitor all information made available to the Bidder's personnel under such circumstances and to provide notice to the Bidder of the confidentiality of all such information.

Therefore, the Bidder shall disclose or allow access to the Confidential Information only to those personnel of the Bidder who need to know it for the proper performance of their duties in relation to this project, and then only to the extent reasonably necessary. The Bidder will take appropriate steps to ensure that all personnel to whom access to the Confidential Information is given are aware of the Bidder's confidentiality obligation. Further, the Bidder shall procure that all personnel of the Bidder are bound by confidentiality obligation in relation to all proprietary and Confidential Information received by them which is no less onerous than the confidentiality obligation under this agreement.

5. The Bidder shall establish and maintain appropriate security measures to provide for the safe custody of the Confidential Information and to prevent unauthorized access to it.
6. The Bidder agrees that upon termination or expiry of this Agreement or at any time during its currency, at the request of the Authority, the Bidder shall promptly deliver to the Authority the Confidential Information and copies thereof in its possession or under its direct or indirect control, and shall destroy all memoranda, notes and other writings prepared by the Bidder or its Affiliates or directors, officers, employees or advisors based on the Confidential Information and promptly certify such destruction.
7. Confidential Information shall at all times remain the sole and exclusive property of the Authority. Upon completion of the Tendering process and or termination of the contract or at

any time during its currency, at the request of the Authority, the Bidder shall promptly deliver to the Authority the Confidential Information and copies thereof in its possession or under its direct or indirect control, and shall destroy all memoranda, notes and other writings prepared by the Bidder or its Affiliates or directors, officers, employees or advisors based on the Confidential Information within a period of sixty days from the date of receipt of notice, or destroyed, if incapable of return. The destruction shall be witnessed and so recorded, in writing, by an authorized representative of the Authority. Without prejudice to the above the Bidder shall promptly certify to the Authority, due and complete destruction and return. Nothing contained herein shall in any manner impair rights of the Authority in respect of the Confidential Information.

8. In the event that the Bidder hereto becomes legally compelled to disclose any Confidential Information, the Bidder shall give sufficient notice and render best effort assistance to the Authority to enable the Authority to prevent or minimize to the extent possible, such disclosure. Bidder shall not disclose to a third party any Confidential Information or the contents of this RFP without the prior written consent of the Authority. The obligations of this Clause shall be satisfied by handling Confidential Information with the same degree of care, which the Bidder applies to its own similar Confidential Information but in no event less than reasonable care.

**For and on behalf of:**

(BIDDER)

Authorised Signatory

Office Seal:

Name:

Place:

Designation:

Date :

**11. Annexure: 7 - Consortium Agreement****DRAFT AGREEMENT TO BE EXECUTED BY MEMBERS OF THE CONSORTIUM**

*[On Non-judicial stamp paper of Indian Rupees 100 duly attested by notary public]*

This Memorandum of Understanding (MoU) entered into this day of [Date] [Month] 2015 at [Place] among \_\_\_\_\_ (hereinafter referred to as "\_\_\_\_\_") and having office at [Address], India, as Party of the First Part and \_\_\_\_\_ (hereinafter referred to as "\_\_\_\_\_") and having office at [Address], as Party of the Second Part and \_\_\_\_\_ (hereinafter referred to as "\_\_\_\_\_") and having office at [Address], as Party of the Third Part.

The parties are individually referred to as Party and collectively as Parties.

WHEREAS RailTel, DRDM / PSCDL Corporation of India Limited has issued a Request for Proposal dated [Date] (RFP) from the Applicants interested in **Request for Proposal for Selection of Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area** :

AND WHEREAS the Parties have had discussions for formation of a Consortium for bidding for the said Project and have reached an understanding on the following points with respect to the Parties' rights and obligations towards each other and their working relationship.

AS MUTUAL UNDERSTANDING OF THE PARTIES, IT IS HEREBY AGREED AND DECLARED AS FOLLOWS:

- i. The purpose of this Agreement is to define the principles of collaboration among the Parties to:
  - a. Submit a response jointly to Bid for the **"Request for Proposal for Selection of Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area"** as a Consortium.
  - b. Sign Contract in case of award.
  - c. Provide and perform the supplies and services which would be ordered by the Authority pursuant to the Contract.
- ii. This Agreement shall not be construed as establishing or giving effect to any legal entity such as, but not limited to, a company, a partnership, etc. It shall relate solely towards the Authority for **"Request for Proposal for Selection of Selection of System Integrator for Design, Development, SITC, O&M For 5 Years of Integrated Command and Control Center (ICCC) & other associated activities for Puducherry Smart City Area"** for and related execution works to be performed pursuant to the Contract and shall not extend to any other activities.
- iii. The Lead bidder shall be jointly and severally responsible for complete scope, whereas consortium partners shall be severally responsible only for their respective scope, and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract

- iv. ----- (Name of Party) shall act as Lead Partner of the Consortium. As such, it shall act as the coordinator of the Party's combined activities and shall carry out the following functions:
  - a. To ensure the technical, commercial and administrative co-ordination of the work package
  - b. To lead the contract negotiations of the work package with the Authority.
  - c. The Lead partner is authorized to receive instructions and incur liabilities for and on behalf of all Parties.
  - d. In case of an award, act as channel of communication between the Authority and the Parties to execute the Contract
  
- v. That the Parties shall carry out all responsibilities as Developer in terms of the Project Agreement.
  
- vi. That the broad roles and the responsibilities of each Party at each stage of the Bidding shall be as below:
  - Party A: \_\_\_\_\_
  - Party B: \_\_\_\_\_
  - Party C: \_\_\_\_\_
  
- vii. That the Parties affirm that they shall implement the Project in good faith and shall take all necessary steps to see the Project through expeditiously.
  
- viii. That this MoU shall be governed in accordance with the laws of India and courts in Puducherry, UT State shall have exclusive jurisdiction to adjudicate disputes arising from the terms herein.

In witness whereof the Parties affirm that the information provided is accurate and true and have caused this MoU duly executed on the date and year above mentioned.

(Party of the first part) (Party of the second part) (Party of the third part)

Witness:

- i. \_\_\_\_\_
- ii. \_\_\_\_\_

**12. Annexure: 8 - Format for Power of Attorney to Authorize Signatory**

**POWER OF ATTORNEY**

*[To be executed on non-judicial stamp paper of the appropriate value in accordance with relevant Stamp Act. The stamp paper to be in the name of the company who is issuing the power of attorney.]*

We \_\_\_\_\_ (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./ Ms. (name), \_\_\_\_\_ son/daughter/wife of \_\_\_\_\_ and presently residing at \_\_\_\_\_, who is presently employed with us and holding the position of \_\_\_\_\_, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the Project proposed by the \_\_\_\_\_ (the "Authority") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre-applications and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, \_\_\_\_\_, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF \_\_\_\_.

For \_\_\_\_\_

(Signature, name, designation and address)

Accepted

(Signature, Name, Title and Address of the Attorney)

Witnesses: (Notarized)

- 1.
- 2.

Seal of firm Company

Witness 1:

Witness 2:

*Notes:*

- a. *To be executed by all the members individually.*
- b. *The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*

**13. Annexure 9: Format for Power of Attorney for Lead bidder of Consortium**

*[To be executed on non-judicial stamp paper of the appropriate value in accordance with relevant Stamp Act. The stamp paper to be in the name of the company who is issuing the power of attorney]*

Whereas \_\_\_\_\_ has invited RFP response for \_\_\_\_\_ (Name of the Project)

Whereas, the Members of the Consortium comprising of M/s.\_\_\_\_\_, M/s.\_\_\_\_\_, and M/s.\_\_\_\_\_ (the respective names and addresses of the registered offices to be given) are interested in bidding for the Project and implementing the same in accordance with the terms and conditions contained in the RFP Documents.

Whereas, it is necessary for the members of the Consortium to designate one of them as the lead member with all necessary power and authority to do, for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's RFP response for the Project.

NOW THIS POWER OF ATTORNEY WITNESSETH THAT

We, M/s.\_\_\_\_\_ and M/s \_\_\_\_\_ and M/s \_\_\_\_\_ hereby designate M/s. \_\_\_\_\_

being one of the members of the Consortium, as the lead member of the Consortium, to do on behalf of the Consortium, all or any of the acts, deeds or things necessary or incidental to the Consortium's RFP response for the Project, including submission of the RFP response, participating in meetings, responding to queries, submission of information or documents and generally to represent the Consortium in all its dealings with Tender Inviting Authority or any other Government Agency or any person, in connection with the Project until culmination of the process of bidding till the Project Agreement is entered into with Tender Inviting Authority and thereafter till the expiry of the Project Agreement.

We hereby agree to ratify all acts, deeds and things lawfully done by our said Attorney pursuant to this power of attorney and that all acts, deeds and things done by our aforesaid Attorney shall and shall always be deemed to have been done by us or Consortium.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2023

\_\_\_\_\_

(Signature)

\_\_\_\_\_

(Name in Block Letter of Executant) *[Seal of Company]*

Witness 1

Witness 2

*Notes:*

*To be executed by all the members individually, in case of a Consortium.*

*The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*

**14. Annexure 10: Format of Agreement between Bidder and their Parent Company / Subsidiary Company (As the case may be)**

(On INR 100.00 Non judicial Stamp Paper and duly notarized)

This agreement made this \_\_ day of \_\_ month \_\_ year by and between M/s. \_\_\_\_\_ (Fill in the Bidder's full name, constitution and registered office address) hereinafter referred to as bidder on the first part and M/s. \_\_\_\_ (Fill in full name, constitution and registered office address of Parent Company/Subsidiary Company, as the case may be) hereinafter referred to as "Parent Company/ Subsidiary Company Company (Delete whichever not applicable)" of the other part:

**WHEREAS**

Tender Inviting Authority (hereinafter referred to as Tender Inviting Authority) has invited offers vide their tender No. \_\_\_\_\_ for \_\_\_\_\_ and M/s. \_\_\_\_\_(Bidder) intends to bid against the said tender and desires to have technical support of M/s. \_\_\_\_\_[Parent Company/ Subsidiary Company Company- (Delete whichever not applicable)] and whereas Parent Company/ Subsidiary Company Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between the parties as follows:

1. M/s. \_\_\_\_ (Bidder) will submit an offer to Tender Inviting Authority for the full scope of work as envisaged in the tender document as a main bidder and liaise with Tender Inviting Authority directly for any clarifications etc. in this context.
2. M/s. \_\_\_\_ (Parent Company/ Subsidiary Company Company (Delete whichever not applicable) undertakes to provide technical support and expertise, expert manpower and procurement assistance and project management to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the Parent Company/Subsidiary Company Company (Delete whichever not applicable) and accepted by the bidder.
2. This agreement will remain valid till validity of bidder's offer to Tender Inviting Authority including extension if any and till satisfactory performance of the contract in the event the contract is awarded by Tender Inviting Authority to the bidder.
3. It is further agreed that for the performance of work during contract period bidder and Parent Company/Subsidiary Company (Delete whichever not applicable) shall be jointly and severally responsible to Tender Inviting Authority for satisfactory execution of the contract.
4. However, the bidder shall have the overall responsibility of satisfactory execution of the contract awarded by Tender Inviting Authority.

<p>For and on behalf of ____ (Bidder) Signature: Name: Designation:</p> <p>Witness 1: Signature: Full name: Address:</p> <p>Witness 2: Signature: Full name: Address:</p>	<p>For and on behalf of ____ (Parent/subsidiary company) Signature: Name: Designation:</p> <p>Witness 1: Signature: Full name: Address:</p> <p>Witness 2: Signature: Full name: Address:</p>
---	--

Notes:

**INSTRUCTIONS FOR FURNISHING PARENT/SUBSIDIARY COMPANY GUARANTEE**

1. Guarantee should be executed on stamp paper of requisite value and notarized.
2. The official(s) executing the guarantee should affix full signature (s) on each page.
3. Resolution passed by Board of Directors of the guarantor company authorizing the signatory (ies) to execute the guarantee, duly certified by the Company Secretary should be furnished along with the Guarantee.
4. Following certificate issued by Company Secretary of the guarantor company should also be enclosed along with the Guarantee.

“Obligation contained in the deed of guarantee No.\_\_\_\_ furnished against tender No. \_\_\_\_\_ are enforceable against the guarantor company and the same do not, in any way, contravene any law of the country of which the guarantor company is the subject”

**15. Annexure – 11: Format of Parent Company / subsidiary Company Guarantee (As the case may be)**

(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE AND NOTORISED)

**DEED OF GUARANTEE**

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s ..... (mention complete name) a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... hereinafter called “the Guarantor” which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

**WHEREAS**

B. [<<City Name>>] Smart City Limited, a statutory body under \_\_\_\_\_, having its Registered Office at \_\_\_\_\_, hereinafter called “Authority” which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number ..... for ..... on .....

C. M/s ..... (mention complete name), a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... (give complete address) hereinafter called “the Company” which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by Authority, submitted their RFP number ..... to Authority with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by Authority at any stage.

D. The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.

E. The Company and the Guarantor have entered into an agreement dated ..... as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the said tender.

F. Accordingly, at the request of the Company and in consideration of and as a requirement for Authority to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:

1. The Guarantor (Parent Company / 100% Subsidiary Company (Delete whichever not applicable) unconditionally agrees that in case of non- performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by Authority, take up the job without any demur or objection, in continuation and without loss of time and without any cost to Authority and duly perform the obligations of the Company to the satisfaction of Authority.

2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.

Request for Proposal (RFP) for Selection of Master system Integrator (MSI) for Implementation of Integrated Command & Control Center (ICCC) in <<(Name of Smart City)>>

3. The Guarantor shall be jointly with the Company and also severally responsible for satisfactory performance of the contract entered between the Company and Authority.

4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Company and Authority. This will, however, be in addition to the forfeiture of the Performance Bank Guarantee furnished by the Company.

5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.

6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of [<<City Name>>].

7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

8. The Guarantor hereby agrees that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between Authority and the Bidder Company shall in any way release Guarantor from any liability under this guarantee and Guarantor hereby waive notice of any such change, addition or modification.

9. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For and on behalf of \_\_\_\_\_ (name of the Parent Company/Subsidiary company)

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Common seal of the guarantor company:

Witness 1:

Signature: \_\_\_\_\_

Full Name: \_\_\_\_\_ Address: \_\_\_\_\_

Witness 2:

Signature: \_\_\_\_

Full Name: \_\_\_\_ Address: \_\_\_\_

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**INSTRUCTIONS FOR FURNISHING PARENT/SUBSIDIARY COMPANY GUARANTEE**

1. Guarantee should be executed on stamp paper of requisite value and notarized.
2. The official(s) executing the guarantee should affix full signature (s) on each page.
3. Resolution passed by Board of Directors of the guarantor company authorizing the signatory (ies) to execute the guarantee, duly certified by the Company Secretary should be furnished along with the Guarantee.
4. Following certificate issued by Company Secretary of the guarantor company should also be enclosed along with the Guarantee.

“Obligation contained in the deed of guarantee No.\_\_\_\_ furnished against tender No. \_\_\_\_\_ are enforceable against the guarantor company and the same do not, in any way, contravene any law of the country of which the guarantor company is the subject”

## 16. Annexure-12: Format for Authorization Letters from Cloud Service Provider (CSP)

Date: <dd/mm/yyyy>

To

Subject: Authorization Letter to M/s. ----- for the participation in the Bid for .... Ref: RFP No :<No> Dated<DD/MM/YYYY>

Sir,

We \_\_\_\_\_, (name and address of the CSP) who are established and reputed CSP of \_\_\_\_\_ having operations at \_\_\_\_\_ (addresses of service locations) do hereby authorize M/s \_\_\_\_\_ (name and address of the Bidder) to bid, negotiate and conclude the contract with you against the above mentioned RFP for the services provided by us.

The services to be provided are as listed below: .....

.....

We herewith certify that the above-mentioned services will be provided through M/s \_\_\_\_\_ [name of the bidder] as part of the subject project and we hereby undertake to support the same for the duration of minimum 60 Months from the date of Go Live. We also confirm the following;

1. We are a MeitY empanelled CSP and have successfully completed the STQC audit.
2. We confirm that we shall comply with any security requirements applicable to CSPs which is published (or to be published) by MeitY or any standards body setup / recognized by Government of India from time to time, and notified to the CSP/Service Providers by MeitY as a "mandatory standard".
3. We confirm the availability of our public SLAs and provide public links of their website as confirmation. Various tiers of support provided are available at .....( website address) and accessible to the Bidder.
4. We confirm that the data of the Client will reside in India, and shall not be accessed by anyone other than the Tender Inviting Authority/Client, unless legally required, provided the SI, selects the CSP India Region for storing content.
5. In the event of change of SI, CSP shall provide Exit Management assistance, to the extent available, as part of its managed services to Tender Inviting Authority/Client.

Yours faithfully,

For and on behalf of M/s \_\_\_\_\_(Name of the CSP) Signature:

Name : Designation : Address : Date :

Note: This letter of authority should be on the letterhead of the concerned CSP and should be signed by an authorized signatory of the CSP. The same would need to be submitted by the Bidder as a part of Technical Bid.

**17. Annexure 13: Certificates related to Guidelines issued by Ministry of Finance through OM no. 6/18/2019-PPD dated 23.07.2020**

(i) Certificate to be provided by Tenderer on their letter heads:

“I have read the clause regarding restrictions on bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority, I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

(ii) Certificate for Tenderer for Works involving possibility of sub-contracting:

“I have read the clause regarding restrictions on bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]”.

## 18. Annexure –14 : E-tendering Instructions to Bidders

### 1. INSTRUCTIONS FOR ONLINE BID SUBMISSION:

- i. Following are the instruction for online bid submission as per the term and conditions:

The bidders are required to submit soft copies of their bids electronically on the e-tender Portal, using valid Class 3 Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-tender Portal and submitting their bid online on the e-tendering portal as per uploaded bid. Prepare their bids in accordance with the requirements and submitting their bids online on the e-tender Portal.

More information useful for submitting online bids on the e-tender Portal may be obtained at: <https://RailTel.enivida.com>.

### 2. REGISTRATION:

- i. Bidders are required to enroll on the e-Procurement Portal (URL: <https://RailTel.enivida.com>) by clicking on the link "Online bidder Registration" on the e-tender Portal by paying requisite Registration fee as mentioned on the e-portal (Approx Rs.2360/-) Per vendor/per year.
- ii. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- iii. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.
- iv. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- v. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- vi. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
- vii. The scanned copies of all original documents should be uploaded in pdf format on portal <https://RailTel.enivida.com>.
- viii. After completion of registration payment, you need to send your acknowledgement copy on our help desk e-mail id [ewizardhelpdesk@gmail.com](mailto:ewizardhelpdesk@gmail.com) for activation of your account

### 3. SEARCHING FOR TENDER DOCUMENTS

- i. There are various search options built in the RailTel Corporation of India Limited e-tender Portal, to facilitate bidders to search active tenders by several parameters.
- ii. Once the bidders have selected the tenders they are interested, they can pay the processing fee as mentioned on the e-portal (Including GST) (NOT REFUNDABLE) by net-banking / Debit / Credit card. After that respective contractor/Vendor may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e-tender Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

#### 4. PREPARATION OF BIDS

- i. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- ii. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- iii. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with colored option which helps in reducing size of the scanned document.
- iv. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” available to them to upload such documents.
- v. These documents may be directly submitted from the “My Documents” area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

#### 5. SUBMISSION OF BIDS

- i. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to any issues.
- ii. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by RailTel.
- iii. Bidder has to select the payment option as “Online Payment” to pay the tender fee / EMD as applicable and enter details of the instrument.
- iv. Bidder should submit the EMD online as per the instructions specified in the tender document. In case of non-submission of EMD amount (where applicable) online, the uploaded bid will be summarily rejected.
- v. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- vi. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- vii. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected

to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- viii. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- ix. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
- x. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

**6. ASSISTANCE TO BIDDERS:**

- 1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2. Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the 24x7 Helpdesk Support.

Please feel free to contact RailTel E-Nivida Helpdesk (as given below) for any query related to e-tendering.

i. Helpdesk landline No: 011-49606060

ii. Mr. Amrendra (9355030628)

iii. Mr. Birendra Kumar (09205898228)

RailTel Contact-I (for general Information)

( \_\_\_\_\_ ) To be mentioned

Telephone 0124-2714000

E-mail ID: \_\_\_\_\_@railtelindia.com

RailTel Contact-II (for general Information)

( \_\_\_\_\_ ) To be mentioned

Telephone 0124-2714000

E-mail ID: \_\_\_\_\_@railtelindia.com

NOTE: Bidder must ensure that the bid must be successfully submitted online as per instructions of RailTel E-Nivida Portal.

**8. ONLINE SUBMISSIONS:**

The bidder is required to submit all the relevant documents online only with the following documents.

- a) EMD submission as per details mentioned in tender notice.
- b) Tender Cost submission as per details mentioned in tender notice.
- c) Power of attorney to be submitted online in accordance with Clause – 34, Chapter 4 Original copy is needed to be submitted by the successful bidder before issuance of LOA.
- d) **Deleted**

9. SUBMISSION OF ELIGIBILITY CRITERIA RELATED DOCUMENTS:

Eligibility criteria related documents as applicable shall also be scanned and submitted "ONLINE"

NOTE: In case of internet related problem at a bidder's end, especially during 'critical events' such as a short period before bid-submission deadline, during online public tender opening event, during e-auction, it is the bidder's responsibility to have backup internet connections.

In case there is a problem at the e-procurement/ e-auction service provider's end (in the server, leased line, etc.) due to which all the bidders face a problem during critical events, and this is brought to the notice of RailTel by the bidders in time, then RailTel will promptly reschedule the affected event(s).

10. INSTRUCTIONS FOR TENDER DOCUMENT TO THE BIDDERS:

The RailTel Tenders are published on [www.RailTelindia.com](http://www.RailTelindia.com) and on RAILTEL E-NIVIDA Portal <https://RailTel.enivida.com/>.

NOTE: For online bid submission the bidder will have to necessarily download an official online copy of the tender documents from RAILTEL E-NIVIDA portal, and this should be done well before the deadline for bid-submission.

11. SUBMISSION OF OFFERS AND FILLING OF TENDER:

This e-tender should be duly submitted online using the e-Procurement Portal <https://railtel.enivida.com/>. For detailed instructions please refer to RAILTEL E-NIVIDA Portal.

12. ATTENDANCE OF REPRESENTATIVES FOR TENDER OPENING:

Representatives of bidders desirous to attend the tender opening can do so on production of a proper letter of authority from the respective firm, failing which they may not be allowed to attend the tender opening. Authorized representatives of those firms who have submitted the tender documents alone shall be allowed to attend the tender opening.

**19. Annexure -15: RailTel's Integrity Pact Program :**

RailTel has adopted Integrity Pact Program and for implementation thereof all tenders relating to procurement of OFC, quad cable, pre-fab shelters, electronic equipment and its installation and/or commissioning etc. and other item(s) or activity/activities proposed to be carried out or required by the Company for the value exceeding Rs. 15 crores at a time including for repair and maintenance of cable/network and any other items required for special works assigned to RailTel will be covered under the Integrity Pact Program and the vendors are required to sign the IP document and submit the same to RailTel before or along with the bids.

- a) Only those vendors who have purchased the tendert document and signed the IP document can send their grievances, if any, to the Independent External Monitors (IEMNs) through the nodal officer, i.e. Principal Executive Director/EB, RailTel.

Name of IEMs and contact details:

Name	Contact
Shri. Vinit Kumar Jayaswal	E-Mail: gkvinit@gmail.com
Shri. Punati Sridhar	E-Mail: poonatis@gmail.com

Name & contact details of Nodal Officer (IP) in RailTel:

Principal Executive Director /Enterprise Business

RailTel Corporation of India Ltd

6<sup>th</sup> Floor, Office Block Tower-2,

NBCC Complex, East Kidwai Nagar,

New Delhi-110023

[Email: pdysmartcity.rfp@railtelindia.com](mailto:pdysmartcity.rfp@railtelindia.com)

- b) If the order, with total value equal to or more than the threshold value, is split to more than one vendor and even if the value of PO placed on any/each vendor(s) is less than the threshold value, IP document having been signed by the vendors at bid stage itself, the Pact shall continue to be applicable.
- c) Bidder of Indian origin shall submit the Integrity Pact online on a non judicial stamp paper of Rs. 100/- duly signed by the person signing the bid. If the bidder is a partnership or a consortium, the Integrity Pact shall be signed by all the partners or consortium members.
- d) Bidder of foreign origin may submit the Integrity Pact online on its company's letterhead, duly signed by the person signing the bid.

- e) The 'Integrity Pact' shall be submitted online by the Bidder duly signed in all pages along with the Bid. Tender received without signed copy of the Integrity Pact document will be liable to be rejected. Proforma for signing the Integrity Pact is available in **Annexure-16** of this RFP document.
- f) The hardcopy of Integrity Pact has to be submitted preferably **within 15 days of last date of submission of bids.**
- g) In case, the hardcopy of signed Integrity Pact is received along with the bid, then, on behalf of RailTel, the Integrity pact will be signed by the concerned representative in the Bid Opening Committee immediately on receipt of Integrity Pact signed by the Bidder at the time of Bid opening. One copy of the Integrity Pact shall be retained by RailTel and the 2nd copy will be issued to the representative of the bidders during bid opening. If the Bidders representative is not present during the Bid opening, the 2nd copy shall be sent to the bidder by post/courier.
- h) In case, the hardcopy of signed Integrity Pact is received after the date of bid opening, then, on behalf of RailTel, the Integrity pact will be signed by the concerned representative in the Bid Opening Committee immediately on receipt of Integrity Pact signed by the Bidder. One copy of the Integrity Pact shall be retained by RailTel and the 2nd copy shall be sent to the bidder by post/courier.

**20. Annexure 16 – PROFORMA FOR SIGNING THE INTEGRITY PACT**

2 copies -( non judicial stamp paper of Rs. 100/-)

**PROFORMA FOR SIGNING THE INTEGRITY PACT**

RailTel Corporation of India Limited, hereinafter referred to as “The Principal”.

And

....., hereinafter referred to as “The Bidder/ Contractor”

**Preamble**

The Principal intends to award, under laid down organizational procedures, contract/s for

.....The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and /or Contractor(s). In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1- Commitments of the Principal**

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
  - a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for 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 process or the contract execution.
  - c. The Principal will exclude from the process all known prejudiced persons.
2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

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

1. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent

corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a. The Bidder(s)/contractor(s) will not, directly or through any other persons 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 during tender process or during the execution of the contract.
  - b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
  - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) /Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is annexed and marked as Annexure A.
  - e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
2. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process & exclude him from future business dealings as per the existing provisions of GFR, 2017, PC ACT 1988) or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings" and any other Financial Rules/Guidelines applicable to the Principal. Copy of the "Guidelines on Banning of business dealings" is annexed and marked as Annex-"B".

### **Section 4: Compensation for Damages**

1. If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to be terminated the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

#### **Section 5: Previous Transgression**

1. The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the anti corruption approach or with any other public sector enterprise in India that could justify his exclusion from the tender process.
2. If the bidder makes incorrect statement on this subject, he can be disqualified from the tender process for action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

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

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a signed commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
2. The Principal Contractor shall take the responsibility of the adoption of IP by the subcontractors. It is to be ensured that all sub-contractors also sign the IP.
3. In case of a Joint Venture, all the partners of the Joint Venture should sign the Integrity pact.
4. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

#### **Section 7: Criminal charges against violation by Bidder(s) / Contractor(s) / Sub contractor(s)**

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

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

1. The Principal appoints competent and credible Independent External Monitor for this Pact as nominated by the Central Vigilance Commission (CVC) Government of India, from the panel of IEMs maintained by it. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, RailTel.

3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Contractor.
4. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/Subcontractor(s) with confidentiality.
5. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

Note : However, the documents /records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.

6. For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

The advice of the IEM panel is restricted to resolving issues raised by a bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders.

7. The panel of IEMs are expected to submit a joint written report to the CMD, RailTel within 30 days from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8. Monitor shall be entitled to compensation on the same terms as being extended to/ provided to Independent Directors on the RailTel Board.
9. The IEMs would examine all complaints received by them and give their recommendations/views to the CMD, RailTel at the earliest. They may also send their report directly to the CVO in case of suspicion of serious irregularities requiring legal/administrative action. Only in case of very serious issue having a specific, verifiable vigilance angle, the matter should be reported directly to the Chief Vigilance Commission.
10. The word 'Monitor' would include both singular and plural.
11. In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In

case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms & conditions of the contract. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties.

### **Section 9: Pact Duration**

Integrity Pact, in respect of a particular contract, shall be operative from the date IP is signed by both the parties till the completion of contract. After award of work, the IEMs shall look into any issue relating to execution of contract, if specifically raised before them. However, the IEMs may suggest systemic improvements to the management of the organization concerned, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.

In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the contract has been awarded.

If any claim is made / lodged by either party during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by CMD of RailTel.

### **Section 10: Other Provisions**

1. This agreement is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing.
3. If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. The parties signing the IP shall not approach the Courts while representing the matters to the IEMs and he/she will await the decision in the matter.
6. Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor.
7. The Integrity pact shall be deemed to form a part of contract and parties shall be bound by it's provision.
8. Issues like warranty/guarantee etc. should be outside the purview of IEMs.

(For & on behalf of the Principal)

(For & On behalf of Bidder/Contractor)

(Office Seal) (Office Seal)

Place \_\_\_\_\_

Date \_\_\_\_\_

Witness 1: (Name & Address) \_\_\_\_\_

\_\_\_\_\_

Witness 1: (Name & Address) \_\_\_\_\_

\_\_\_\_\_