



**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**

**RFP NO: 1**

**DATED: 01.06.2023**

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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**" in this document) for **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 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****Date:01.06.2023**

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)	Release of RFP	01/06/2023
b)	Last date of receipt of queries	09/06/2023
c)	Pre-bid Meeting date	12/06/2023 at 15.00 hrs
d)	Closing date for Submission of e-Bids	Up to 15:00 hrs. of 22.06.2023 (online)
e)	Date of opening of E-Bid ( Technical)	At 15:30 hrs. of 22.06.2023 (online)
f)	Earnest Money Deposit (EMD)	Rs. 1,00,00,000/- in the form of Bank Guarantee as per format in RFP Vol-1. The validity for the EMD would be 60 days beyond the original validity period of the bid.
g)	Cost of RFP Document	Nil
h)	RFP portal for Submission of Bids	<a href="https://railtel.eNivida.com">https://railtel.eNivida.com</a>
i)	Place of Opening of BID (Online)	The Office of Executive Director, RailTel Corporation of India Ltd., 1-10-39 to 44, 6A, 6th Floor, Begumpet Airport Road,opp. Shoppers Stop, Begumpet, Hyderabad- 500 016
j)	Presentation and Proof of Concept for Technically qualified Bidders	To be notified later

k)	Date of opening of Commercial bids	To be notified later
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**Note:**

RFP Notice and link for RFP Document are available on RailTel's website and E-Nivida portal <https://railtel.eNivida.com> 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**

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General Manager (Projects)  
RailTel Corporation of India Limited  
Southern Region

**Definitions/Acronyms**

ABD	Area Based Development
ANPR	Automatic Number Plate Recognition
Authority	RailTel Corporation of India Limited (RailTel) / DRDM / PSCDL
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
SI	Master System Integrator
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

## 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** now intends to select a System Integrator to design and assist the Client in implementing 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 solutions through RAILTEL as SI.

### 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), Department of Revenue and Disaster Management (DRDM) & 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.

#### **1. 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.

#### **2. 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.

#### **3. RFP Volume 3: Master Service Agreement**

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

### **1.3 Fact Sheet**

<b>S. No.</b>	<b>Item</b>	<b>Description</b>
1	Method of Selection	The method of selection is QCBS – Quality cum Cost Based Selection. 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>
3	Date of RFP Issuance	01-06-2023
4	Bid Security/Earnest Money Deposit (EMD)	Indian Rupees 1 Crore (Indian Rupees One Crore only) by Bank Guarantee (BG as per format attached in Annexure 5(b)) from a nationalized or scheduled bank

		in India in favor of Executive Director, RailTel Corporation of India Ltd, Hyderabad. The scanned copy of the BG should be uploaded along with the proposal and the successful bidder shall submit the original documents of the Scanned submitted copies at RailTel office at the time of signing of the agreement.
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 09-06-2023 18:00hrs.
6	Pre-Bid Conference time, date, & venue	15:00hrs 12-06-2023 IRIFM, Moula Ali, Near Railway Colony, Secunderabad.  <i>Email queries at email:</i> <a href="mailto:pdysmartcity.rfp@railtelindia.com">pdysmartcity.rfp@railtelindia.com</a>
7	Posting of responses to queries (on website)	<a href="https://railtel.enivida.com/">https://railtel.enivida.com/</a>
8	Last Date and time for Bid submission (On or before)	22-06-2023 [15:00 HRS]
9	Date, time for opening of Pre-Qualification Bids	22-06- 2023 [15:30 HRS]
10	Bid validity	Bid must remain valid up to 180 (One Hundred & Eighty) days from the actual date of submission of the Bid.
11	Currency	Currency in which the Bidders may quote the price will receive payment in Indian Rupees only
12	Address for Correspondence	Office of the Executive Director, 1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers, Begumpet Airport Road, Opp. Shoppers Stop, Hyderabad- 500 016.
13	Name of the officer	Sh. J David Prabhakar Asst. General Manager Email: <a href="mailto:d.prabhakar@railtelindia.com">d.prabhakar@railtelindia.com</a>

## 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 by the Authority 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 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 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 Telangana, and Government of India the offers will be received up to the appointed time on the next working day. The Authority may, at its discretion, extend this deadline for submission of offers by issuing corrigendum and uploading the same on e-Procurement portal.
- e. The successful bidder shall submit complete and sealed proposal (excluding Commercial bid) in the hard copy format to authority signed by the authorized signatory of bidder, which should match with the bid submitted online at the time of issue of LOA/prior signing of the agreement. Bids submitted online are considered compliant and hard copies shall be exactly similar to the documents submitted online. Any deviation between two will be considered as non-compliant bid.
- f. Telex, cable or facsimile offers will be rejected.

#### 2.1.1 Instructions for Online Bid Submission

- a. Possession of valid Digital Signature Certificate (DSC) and enrolment/registration of the Bidders on the e-Procurement/e-tender portal are prerequisites for e-tendering.
- b. Bidder should register for the enrolment in the e-Procurement site using the "Online Bidder Enrolment" option available on the home page. During enrolment/registration, the bidders should provide only valid and true information including valid email id. All the correspondence shall be made directly with the Bidders through email id as registered.
- c. Bidder need to login to the site through their user ID/ password chosen during enrolment/registration.
- d. The Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/TCS/nCode/eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on eToken/SmartCard, should be registered.
- e. The registered DSC only should be used by the Bidder in the transactions and should ensure safety of the same.
- f. Bidder may go through the tenders published on the site and download the tender documents/schedules for the tenders.

- g. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise the bid will be rejected.
- h. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meetings if any. Bidder should take into account the corrigendum if any is published before submitting the bids online.
- i. Bidder may log in to the site through the secured login by the user id/ password chosen during enrolment/registration and then by submitting the password of the e-Token/Smart Card to access DSC
- j. Bidders may select the tender which they are interested in by using the search option and then move it to the 'my tenders' folder.
  - i. From my tender folder, the Bidder may select the tender to view all the details uploaded there.
  - ii. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the incomplete bid shall stand rejected.
  - iii. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document/schedule and ordinarily it shall be in [PDF/xls/rar/jpg/dwf] formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded online for the tenders should be less than [2 MB]. If any document is more than [2MB], it can be reduced through zip/rar and the same, if permitted, may be uploaded. The total available size for uploading the documents will be as per the size limited by e-procurement portal.
  - iv. Bidder should submit the Bid Document Fee/ Bid Security/EMD as specified in the tender. The hard copy of the document should be posted/couriered/given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.
  - v. While submitting the bids online, the Bidder shall read the terms and conditions and may accept the same to proceed further to submit the bid packets.
  - vi. The Bidder has to select the payment option as offline to pay the Bid Document Fee/ Bid Security/EMD as applicable and enter details of the instruments.
  - vii. The details of the DD/any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bids shall not be acceptable or liable for rejection.
  - viii. The Bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that the Bidder has read, understood and agreed with all clauses of the Bid Document including General conditions of contract without any exception.
  - ix. The Bidder has to upload the relevant files required as indicated in the cover content.
  - x. If the Price-bid/BOQ template is provided in a spreadsheet file (for e.g. BoQ\_XXXX.xls), the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Price-bid/BOQ template shall not be modified / replaced by the Bidder; else the bid submitted is liable to be rejected for the tender.
  - xi. The Bidders are advised to submit the bids through an online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by the Bidders.

- xii. After the bid submission, the acknowledgement number indicated by the system should be printed by the Bidder and kept as a record of evidence for online submission of bids for the particular tender.
- xiii. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The Bidder should follow such time during bid submission.
- xiv. All the data being entered by the Bidder would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person
- xv. Any Bid Document that is uploaded on the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded Bid Documents become readable only after the tender opening by authorized bid openers.
- xvi. The confidentiality of the bids is maintained with the use of Secure Socket Layer (SSL) 128-bit encryption technology. Data storage encryption of sensitive fields is done.
- xvii. The Bidder should logout of the tendering system using the normal logout option available at the top right-hand corner and not by selecting the (X) exit option in the browser.
- xviii. For any queries regarding e-Tendering process, the Bidders may contact at address as provided in the Bid Document. For any further queries, the Bidders are advised to send an email to [enividahelpdesk@gmail.com](mailto:enividahelpdesk@gmail.com) and Please reach the Helpdesk number available in <https://railtel.enivida.com/> website.

#### 2.1.2 Eligible Bidders

Sole Bidder	The Bidder Should be an entity register in India under the Companies Act 1956/2013 or LLP Register under LLP act 2008 or subsequent amendment thereof
Consortium #	<p>Maximum 2 Bidder, are allowed in the consortium including Lead Bidder</p> <p>Consortium member can be an only Indian firm.</p> <p>Lead bidder and all consortium members should be registered in India under Companies Act 1956/2013 / Limited Liability Partnership Firm Act 2008 or subsequent amendment there of</p> <p>The Lead bidder shall be jointly and severally responsible for complete scope, whereas consortium partners shall be severally responsible for its respective scope.</p>
<p># In case of consortium, the list of participants needs to be declared</p> <p>Consortium members cannot be changed during the project/contract period.</p> <p>If any of bidders/members of one consortium becomes members of the other consortium, both the consortiums will be disqualified</p>	

#### **The Lead Bidder shall be authorized by the consortium members for**

- i. The management of all Consortium members
- ii. To incur liabilities and receive instructions for and on behalf of any and all consortium members.
- iii. Entire execution of the Contract, receipt of payments etc. on behalf of consortium
- iv. Ensuring that all the bid compliance are met by the consortium members (mentioned in the bid, failing which bid can be disqualified)

## 2.2 Consortium Conditions

1. The number of consortium members cannot exceed two including the Lead Bidder.
2. A Bidder applying individually or as consortium member shall not be entitled to submit another application either directly or indirectly or through any of their affiliates or as a member of any other consortium, as the case may be.
3. Consortium members must provide a Memorandum of Understanding (MoU) or Consortium Agreement covering above points and showing their intention to enter into such an Agreement at the time of bidding along with Pre-Qualification Bid.
4. A Bidding Consortium is required to nominate a Lead Bidder. The formation of the consortium including identification of Lead Bidder and roles and responsibilities of each member shall be supported by Consortium Agreement and Power of Attorney signed by all the members on a non-judicial stamp paper of INR 100/-.
5. The successful bidder (SI) shall enter into agreement with Consortium Member specifying following points in the Agreement.
  - i. Identify Lead Bidder and Power of Attorney in favor of Lead Bidder.
  - ii. Roles and responsibilities of each consortium member, the identification of the lead partner, and providing for liability for each partner to its respective scope and joint and several liability of the Lead Bidder / Sole Bidder needs to be clearly mentioned in the Consortium Agreement
  - iii. All consortium members would be available throughout the Contract Period.
  - iv. The Lead bidder shall be jointly and severally responsible for complete scope, whereas consortium partners shall be severally responsible only for its respective scope.
  - v. The role and responsibility of any consortium 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.
  - vi. 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 Authority (RailTel, DRDM / PSCDL) only.
  - vii. The agreement between the consortium members (Consortium Agreement) would be available for legal vetting and open to suggestions by the RailTel, DRDM / PSCDL. RailTel, DRDM / PSCDL will suggest binding corrections, if it finds that such contract does not meet its requirements and interests as per the Tender in letter and spirit.
  - viii. The Agreement should be on non-judicial stamp paper and notarized. The signatories must be duly authorized.

- ix. Any modification in roles and responsibilities between consortium members during Contract Period shall be allowed only after approval from RailTel, DRDM / PSCDL. Any changes and deviation of roles and responsibilities of consortium members during the execution, operation and maintenance of this Project without prior approval of Authority shall be viewed seriously by the RailTel, DRDM / PSCDL as it can affect an important public service. Such unilateral action by the SI shall entitle RailTel, DRDM / PSCDL to take appropriate action including considering it an Event of Default under this Contract leading to consequences including termination with appropriate notice.
- x. Any Dispute arising during Contract Period between the Consortium Members shall be resolved amicably without adversely impacting Project Implementation and Operations. If in RailTel, DRDM / PSCDL opinion, Dispute between Consortium members is adversely impacting implementation and operations of the Project then 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.
- xi. In case RailTel, DRDM / PSCDL intends to proceed for Termination on account of SI Event of Defect / Event of Default and /or unresolved disputes between the Consortium Members, both - the Consortium Members and the Lead Bidder shall be jointly and severally liable for Implementation, Operations and Maintenance of project at Agreed prices and payment terms specified in this Tender till Authority or any new agency appointed by it takes over the Project.
- xii. RailTel, DRDM / PSCDL 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.

### **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**

The Bidders shall bear all costs associated with the preparation and submission of their bids, for the purposes of clarification of the bid, if so desired by the Authority.

## **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. Any requests for clarifications post the indicated date and time shall not be entertained by Authority.

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 Authority RailTel will organize a pre-bid conference and will respond to any request for clarification or modification of the bidding documents. The Authority RailTel shall formally respond to the pre-bid queries after the pre-bid conference. No further clarifications shall be entertained after the date and time of submission of queries.

The Authority shall endeavour to provide timely response to all queries. However, 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 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.

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

The bidder should also submit an EMD of Indian Rupees (Rupees one Crore only) in the form of Demand Draft or in the form of Bank Guarantee from a nationalized or scheduled bank in

India. The validity for the EMD would be 60 days beyond the original validity period of the bid. No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained.

*For Unsuccessful bidders:* The bid security of all unsuccessful bidders would be refunded without interest by Authority on finalization of the bid in all respects by the successful bidder.

*For Successful bidders:* The bid security, for the amount mentioned above, of successful bidder would be returned without interest upon submission of Performance Bank Guarantee by the successful bidder.

In case bid is submitted without the bid security then Authority reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned.

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 in the bid.

## 2.9 Bid Validity Period

Bid shall remain valid for the time period mentioned in the Fact Sheet.

On completion of the validity period, unless the Bidder withdraws the bid in writing, it will be deemed to be valid until such time that the Bidder formally (in writing) withdraws the bid.

## 2.10 Contents of Bid

The three bid system shall be followed. Technical and Commercial Bids shall be uploaded separately through the e-Procurement portal as follows.

Document Set	Name of Document	Content
One	RFP/Tender Document Fee & Earnest Money Deposit	RFP/Tender Document Fee receipt Bank Guarantee for Earnest Money Deposit (EMD)
Two	Pre-Qualification Bid	Pre-Qualification Bid as per Section <u>6.1</u> and <u>6.2</u> along with the required supporting documents. No Deviation Certificate as per Section <u>6.5</u> Total Responsibility Declaration as per Section <u>6.6</u>
Three	Technical Bid	Technical Bid
Four	Commercial Bid	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

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	About Bidder	As per format provided in Annexure 2 section 6.3
5	Bidder/Consortium Registration	1. For Sole/Lead Bidder, Certificate of Incorporation, Documentary proof for operations in India for the last 7 years from the date of publishing of Tender For other Consortium Partners, Certificate of Incorporation / Registration under companies Act, 1956/2013 Consortium Agreement clearly stating the roles and responsibilities of each member 2.PAN CARD 3. GST Registration Certificate <i>As per Pre-qualification criteria -SI # 1,2,3</i>
6	Annual Turnover	Certificate from the Statutory Auditor / CA clearly specifying the annual turnover for the specified years  <i>As per Pre-qualification criteria – SI # 6</i>
7	Net Worth	Certificate from the Statutory Auditor/ CA clearly specifying the net worth of the firm  <i>As per Pre-qualification criteria – SI # 7</i>
8	Project Experience	As per Pre-qualification criteria – SI # 9  Citation details of projects as per format in Section 7.4 and 6.7 as applicable.
9	Undertaking for non- blacklisting clause	Undertaking by the authorized signatory as per format

		As per Pre-qualification criteria – SI # 5
10	Bidder Certifications for establishment of Project Office in Puducherry	Undertaking to open Office in Puducherry Or Property Tax / Electricity / Telephone Bill / VAT/ CST Registration /Lease agreement. Copies of valid certificates in the name of the sole bidder or the Lead bidder in case of a Consortium  As per Pre-qualification criteria – SI # 11
11	Power of Attorney	Documentary evidence as per format provided in Annexure 8 and 9
12	No Deviation Certificate	As per format provided in section 6.5
13	Total responsibility certificate	As per format in 6.6
14	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

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	About Bidder	Details about bidder (whether sole bidder or consortium) Bidder's general 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 section 6.11
7	Bidder's Experience	Project supporting documentary evidences and Self-certifications as per format in section 6.12 as applicable
8	Project Plan and Resources	Project plan as per format provided in section 6.13.2 Manpower plan as per format provided in section 6.13.3

Section 4.1 – Bidder Qualification Documents		
		Summary of resources as per format provided in section 3.6.4 and 6.14 CV of resources as per format provided in section 6.15
9	Manufacturers'/Producers' Authorization Form	As per format provided in section 7.1
10	Anti – Collusion Certificate	As per format provided in 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 4.

Section 4.2 – Commercial Bid Format		
1	Total Price Summary	As per format provided in Section 7 Annexure 4
2	Price component for CAPEX	As per format provided in Section 7.3
3	Price component for OPEX	As per format provided in Section 7.4

### 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**

Commercial Bid shall be as per the format provided in Section 8. Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of direct transaction between Authority and the Bidder. All Prices quoted shall be in Indian Rupees (INR)

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.

Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account. A bid submitted with an adjustable price quotation shall be treated as non-responsive and rejected.

### **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**

Authority may terminate the RFP process at any time and without assigning any reason. 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 Authority.

### **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. Authority reserves the right to reject in full or part, any or all bids at any time without assigning any reason thereof. Authority reserves the right to assess the Bidder's capabilities and capacity. The decision of Authority shall be final and binding.

- b. Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested.

In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.

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

- a. If, in the price structure quoted for the required goods/services/works, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly.
- b. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- c. If there is a discrepancy between words and figures, the amount in words shall prevail.
- d. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of Authority, the bid is liable to be disqualified.
- e. 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.
- f. 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;
- d. 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 employees of the successful Lead bidder and Consortium members 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. Bid is received in incomplete form.
- d. Bid is not accompanied by all the requisite documents.
- e. 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.
- f. Financial bid is enclosed with the same document as technical bid.
- g. Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
- h. 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, unless additional bids/bidders are withdrawn upon notice immediately
- i. If any of the Lead Bidder is also partner in any other bid, then all the affected bids shall be disqualified.
- j. Bids without 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 Fraud and Corrupt Practices

- a. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFP, Authority shall reject a Bid without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, Authority shall, without prejudice to its any other rights or remedies, forfeit and appropriate the EMD or PBG, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to Authority for, inter alia, time, cost and effort of Authority, in regard to the RFP, including consideration and evaluation of such Bidder's Bid.
- b. Without prejudice to the rights of Authority under Clause above and the rights and remedies which Authority may have under the LOI or the Agreement, if a Bidder is found by Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOI or the execution of the Agreement, such Bidder shall not be eligible to participate in any tender or RFP issued by Authority during a period of 3 years from the date such Bidder is found by Authority to have directly or through an agent, engaged or indulged in any Prohibited Practices.
- c. For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:
  - i. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of Authority who is or has been associated in any manner, directly or indirectly with the Selection Process or the LOI or has dealt with matters concerning the Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of Authority, shall be deemed to constitute influencing the actions of a person connected with the Selection Process); or (ii) save as provided herein, engaging in any manner whatsoever, whether during the Selection Process or after the issue of the LOA or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the Award or the Agreement, who at any time has been or is a legal, financial or technical consultant/adviser of Authority in relation to any matter concerning the Project;
  - ii. "fraudulent practice" means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
  - iii. "coercive practice" means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person's participation or action in the Selection Process;
  - iv. "undesirable practice" means (i) establishing contact with any person connected with or employed or engaged by Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and
  - v. "Restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Selection Process.

## 2.26 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.

## 2.27 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.

## 2.28 Inclusion of MSMEs in Project Delivery

Bidders are encouraged to include Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project. 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.

## 2.29 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, Video Analytics Solution/Software and any video/image processing solution within overall project offering should be compliant to ONVIF Core Specification '2.X' for Profile 'S' and preferably Profile 'G'
- 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.

### **2.30 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%, 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%, if it is provided in the bidding document, on the rates and conditions given in the contract if the original order was given after inviting open competitive bids. 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 specified BOQ.

### **2.31 Withdrawal, Substitution, and Modification of Bids**

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

### **2.32 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 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 three bid-opening events

- a. **Set 1 (RFP/Tender Document Fee & Bid Security/EMD) and Set 2 (Pre-Qualification bid)**
- b. **Set 3 (Technical bid)**
- c. **Set 4 (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 opened who clears the Pre-qualification stage.

The Commercial Bids of only those bidders will be opened who score equal to or more than 70% 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 Authority and shall not be included for further consideration.

Initial Bid scrutiny shall be held and bids will be treated as non-responsive, if bids are:

1. Not submitted in format as specified in the RFP document
2. Received without the Letter of Authorization (Power of Attorney)
3. Found with suppression of details
4. With incomplete information, subjective, conditional offers and partial offers submitted
5. Submitted without the documents requested
6. Non-compliant to any of the clauses mentioned in the RFP

7. With lesser validity period
8. EMD not submitted / lesser EMD validity period
9. If the Bidder gives wrong information in the Bid.70
10. Canvassing in any form in connection with the Bid.
11. Bids submitted after due date and time.
12. Bids submitted by Telex/Telegram/Fax/e-mail.
13. Erasure and/or over writing is/are Not permissible
14. Bids not signed by authorized signatory

### 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.

### 3.4 Evaluation Process

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 Set 1 "RFP/Tender Document Fee & Bid Security/Earnest Money Deposit (EMD)".
- b. If the contents of the Set 1 are as per requirements, Authority shall open the "Pre-Qualification Bid". **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 Email and Phone 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. Financial bid will not be opened for those bidders, who don't qualify 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. Set 3 "Technical bid" will be evaluated only for the bidders who succeed in Stage 1.
- b. The Technical Evaluation Committee appointed by the 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 Authority/ Technical Evaluation Committee appointed by the Authority to supplement their bids which include the following
  - Approach & Methodology
  - Proposed solutions
  - Proof of Concept of the Envisaged use cases
- e. The Authority envisages to have proof of concept / technical demonstration to evaluate the technology & system performance for getting 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. 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 Authority will notify the date and venue for conducting such proof of concept / technical demonstration to the prospective bidders.
- g. Each Technical Bid will be assigned a technical score out of a maximum of 100 Points.
- h. Only those bids who get an overall technical score of 60% or more of the Technical Evaluation Framework as given in Section 3.6 shall be considered technically qualified. Failing to secure minimum marks shall lead to rejection of the bids

### 3.4.3 Stage 3: Commercial Evaluation

- k. All the technically qualified bidders will be notified to participate in Commercial Bid opening process.
- l. 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.
- m. Commercial Bids that are not as per the format provided in the RFP shall be liable for rejection.
- n. 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

70:30 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:

$$Bb = (0.7)*Tb + (0.3)*(Cmin/Cb * 100)$$

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 7 years as on 31.3.2023.	The sole bidder/ Lead Bidder and consortium members should submit the following documents  1.Certificate of incorporation	PQ_1
2	Consortium Agreement (Only applicable for Consortium Members)	Consortium Agreement (in case of Consortium)  2.1 The Bid can only be submitted by Consortium led by Lead Member.  2.2. In case of Consortium, the same shall be limited to two members in total. Including the Lead Member.  2.3. The Consortium member of one Consortium cannot be a member of another consortium which is also participating in this tender.	In case of Consortium, The Lead Member of Consortium should furnish. The Consortium Agreement signed by all the Consortium Members.  Consortium agreement clearly mentioned the roles and responsibilities of each member.	PQ_2
3	Tax Registration	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.	In case of Sole Bidder, The Sole Bidder should furnish  3.1.1 Copy of PAN.  3.1.2 Copy of GST Registration Certificate.  In case of Consortium, all members of Consortium should furnish  3.1.1 Copy of PAN	PQ_3

			3.1.2 Copy of GST Registration Certificate	
4	Power of Attorney	<p>4.1 Power of Attorney in the name of the person signing the Bid and Tender documents (Applicable in case of Sole Bidder as well as Consortium).</p> <p>4.2 Power of Attorney in the name of person signing the Consortium Agreement (Applicable only in case of Consortium).</p> <p>4.3 Power of Attorney in the name of the Lead Member signing the Bid and Tender documents (Applicable only in case of Consortium).</p>	<p>In case of Sole Bidder, The Sole Bidder should furnish</p> <p>4.1.1- Power of Attorney (POA) to sign and submit the bid Power of Attorney (PoA) by Authorized Signatory of Sole Bidder authorizing a staff of Sole Bidder to sign and submit the Bid &amp; Tender documents and execute the Contract Agreement (if selected as a successful bidder) on behalf of the Sole Bidder. A copy of the same must be attached.</p> <p>In case of Consortium, Lead Member of Consortium should furnish</p> <p>4.1.1 Power of Attorney (POA) to sign and submit the bid Power of Attorney (PoA) by Authorized Signatory of Lead Member of Consortium authorizing a staff of Lead Member to sign and submit the Bid &amp; Tender documents and execute the Contract Agreement (if selected as a successful bidder) on behalf of the Consortium Member. A copy of the same must be attached.</p>	PQ_4

			<p>4.2.1- Power of Attorney (POA) for Signing the Consortium Agreement Power of Attorney (PoA) signed by the respective Authorized Signatory of the Consortium Member authorizing a staff of the respective Consortium Member to sign the Consortium Agreement on behalf of the respective Consortium Member. A copy of the same must be attached.</p> <p>4.3.1 Power of Attorney (POA) in favour of Lead Member Power of Attorney (PoA) by Authorized Signatory of each of the Consortium Member in favour of Lead Member of Consortium to sign and submit the Bid &amp; tender documents and execute the Contract Agreement (if selected as a successful bidder) on behalf of the Consortium Members. A copy of the same must be attached.</p>	
5	Blacklisting	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>In case of Sole Bidder, The Sole Bidder should furnish</p> <p>5.1.1 A self-certified letter signed by the Authorized Signatory of the Sole Bidder. In case of Consortium, all members of</p>	PQ_5

			<p>Consortium should furnish</p> <p>5.1.1 A self-certified letter by each member of Consortium signed by the respective Authorized Signatory of the Consortium Member.</p>	
6	Average Annual Turnover	<p>The bidder should have Average Annual Turnover for last 3 audited financial years (2021-22, 2020-21, 2019-20)</p> <p>The bidder (if sole bidder) should have an average annual turnover of INR 160 Cr for last 3 audited financial years.</p> <p>In case of Consortium– Average Annual Turnover for last 3 audited financial years of all members together should be Minimum. INR 160 Crores out of which the Lead Bidder should have Minimum 120 Crores and the consortium member should have minimum 40 crores.</p>	<p>The Bidder should submit the following documents.</p> <ol style="list-style-type: none"> <li>1. Audited Balance sheets for the last 3 years.</li> <li>2. Certificate duly signed by the Auditor with the turnover details from the specific business areas over the last three financial years.</li> </ol>	PQ_6
7	Net worth	<p>The Sole Bidder/ All members of Consortium should have positive net worth and should be a profit-making company for each of the last three audited financial years (FY 2021-22, FY 2020- 21, FY 2019-20).</p>	<p>In case of Sole Bidder, The Sole Bidder should furnish</p> <p>7.1.1 Certificate from the statutory auditor of Sole Bidder ascertaining Total Net Worth and Profit after Tax for the last 3 audited financial years (FY 2021- 22, 2020-21, 2019-20).</p> <p>In case of Consortium, all members of</p>	PQ_7

			<p>Consortium should furnish</p> <p>7.1.1 Certificate from the statutory auditor of all Consortium Members ascertaining Total Net Worth and Profit after Tax for the last 3 audited financial years (FY 2021-22, 2020-21, 2019-20).</p>	
8	Domain Experience	<p>The Sole Bidder/All members of Consortium (In case of Consortium) should have operations in Information and Communication Technology domain in India at least for the last 5 years as on the date of bid submission.</p>	<p>Sole Bidder/All members of Consortium (In case of Consortium) should submit the following documents.</p> <p>1. Work order/signed contract and client completion certificate to be submitted.</p> <p>2. For ongoing projects, client completion certificate, work order, contract for the partial completions to be submitted.</p>	PQ_8
9	Project Experience	<p>The sole bidder / any consortium members should have experience in India related to safe city/smart city/ ITMS/CCTV Surveillance with any Central/State gov/PSU in at least 3 areas of the following criteria</p> <p>1.One project involving SITC of minimum 400 High Resolution Cameras  2.One project involving SITC of minimum 40 Industrial Grade Switches  3.One project involving SITC of minimum 100 ANPR Cameras  4.One project involving SITC of minimum 50</p>	<p>The sole bidder or any consortium members should submit the following documents.</p> <p>1. Work order/signed contract and client completion certificate to be submitted.</p> <p>2. For ongoing projects, client completion certificate, work order, contract for the partial completions to be submitted.</p>	PQ_9

		<p>RLVD/SVD Cameras</p> <p>5. One project involving SITC of minimum ATCS in 10 Junctions</p> <p>6. One project involving laying of minimum 30 KM OFC</p> <p>7. One Project involving SITC of ICCC with minimum 10 Smart Poles with IoT integrations ( 5 components per Pole)</p>		
10	OEM Authorization	<p>The Sole Bidder or Consortium member (providing hardware) should have obtained direct authorization from Original Equipment Manufacturer (OEM) for selling &amp; supporting the hardware offered.</p>	<p>In case of Sole Bidder/ Consortium Member (providing required hardware), The Sole Bidder/ Consortium Member (providing hardware) should furnish - Authorization Certificate from manufacturer should be submitted for Cameras, Network switches, UPS, Server, Storage, Software products (VMS, ITMS, ICCC, VA, EMS).</p>	PQ_10
11	Presence in Puducherry	<p>11.1 The Sole Bidder or Lead Member (in case of Consortium) should have a local office in Puducherry.</p> <p>11.2 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>	<p>In case of Sole Bidder/ Lead Member of Consortium. The Sole Bidder/ Lead Member of Consortium should furnish - In case of having presence in Puducherry.</p> <p>11.1.1 Copy of the Sale deed/Rent/Lease Agreement /latest Landline Telephone bills signed by Authorized Signatory of the Sole Bidder/ Lead Member of Consortium. In case of not having presence in Puducherry.</p>	PQ_11

			11.2.1 Undertaking to be given for setting up the local office in Puducherry within 15 days from the date of issue of LOA.	
12	Manpower Strength	The Sole Bidder or Lead Member (In case of Consortium) should have a minimum number of 100 technically qualified IT professional Staff. Full Time Employee with experience in Software development, Networking, IT Infrastructure, System & Database Administration, Project Management experience) as on 31st March 2023 on its rolls in India.	In case of Sole Bidder/ Lead Member of Consortium. The Sole Bidder/ Lead Consortium member should furnish - 12.1.1 Certificate from authorized person in HR Department of the Sole Bidder/ Lead Member of Consortium for exact number of technically qualified IT professional staff on the rolls of the company as on 31st March 2023 and educational degree.	PQ_12
13	Accreditations	The Sole Bidder/ Consortium Member should have the following valid certifications as on date of bid submission.  a) CMMI Level 3 or Higher  b) ISO 9001:2008 certification or higher or equivalent (Quality Management)  c) ISO 27001 certification or higher or equivalent (Information Security Management)	In case of Sole Bidder, The Sole Bidder should furnish- 13.1.1 Copy of the Certificate(s) signed and stamped by the Authorized Signatory of the Sole Bidder.  In case of Consortium, any Consortium member should furnish- 13.1.1 Copy of the Certificate(s) signed and stamped by the Authorized Signatory of the Lead Member of Consortium.	PQ_13
14	Declaration of No Conflict of Interest	14.1 The Sole bidder or each Consortium member (in case of Consortium) should not be bound by any conflict of interest in delivering the scope of the project.	In case of Sole Bidder, The Sole Bidder should furnish- 14.1.1 The Sole bidder shall furnish an affirmative statement as to the existence of, absence of, or potential for conflict	PQ_14

			<p>of interest on the part of the Bidder, due to prior, current, or proposed contracts, engagements, or affiliations with the Department</p> <hr/> <p>In case of Consortium, all members of Consortium should furnish-</p> <p>14.1.1 Each Consortium member shall individually furnish an affirmative statement as to the existence of, absence of, or potential for conflict of interest on the part of the Bidder, due to prior, current, or proposed contracts, engagements, or affiliations with the Department.</p>	
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**Important Note:**

1. For all the project experience, following documentary evidences are required:
  - Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order.
  - Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead.
  - Citations
2. In case project is on-going,
  - a. Work-in-progress letter/certificate from client indicating project completion by 90% or more, in terms of financial (or) project scope perspective.
  - b. Self-certificate from bidder signed by statutory auditor/ CA indicating project completion by 90% or more, in terms of financial (or) project scope perspective.

**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.

Section	Evaluation Criteria	Total Marks	Minimum Sectional Qualifying Marks
A.	Bidder Credentials	70	NA
B.	Technical Solution Approach & Methodology Project Presentation Proof of Concept	30	NA
	<b>Overall Technical Score</b>	<b>100</b>	<b>60</b>

**Important:**

- Bidder getting **Technical Score of 60%** will qualify for Commercial Evaluation stage subject to the below.,

**Note:** 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.

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

### 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	Criteria Category	Evaluation Criteria	Supporting Document	Maximum Marks
1	Financial Strength	The sole bidder or the consortium (members together) should have an Average Annual Turnover from for last 3 audited financial years (2021-22, 2020-21, 2019-20) (in INR)  Marks shall be allotted as follows:  a. >160 Crores and < 250 Crores - 2 marks. b. >=250 Crores and <350 Crores - 4 marks c. >=350 Crores - 6 marks	The sole bidder or the consortium ( members together ) should submit the following documents. 1. Certificate from Statutory Auditor.  2. Audited, Certified Balance Sheets, Profit and Loss account of last three financial years.	6
2	Executing Large Information and	The sole bidder or any consortium member shall have successfully executed minimum	The sole bidder or any consortium	6

	Communication Technology projects	<p>100 crores worth single project related to City or state surveillance /safe city/ITMS/ smart city in India during last 5 years (Letter of Intent shall be on or after 1st May 2018) for any state/central govt/PSU</p> <p>Marks shall be allotted based on the value of single project as follows:</p> <ol style="list-style-type: none"> <li>1. 100 crores to 200 crores - 2 marks</li> <li>2. &gt;200 crores to 300 crores - 4 marks</li> <li>3. &gt;300 crores - 6 marks</li> </ol>	<p>member should submit the following documents. Work order/signed contract and client completion certificate to be submitted.</p>	
3	Smart City ICCC Projects	<p>The sole bidder or the consortium (members together) in case of consortium should have experience in executing at least one smart city ICCC project of value not less than INR 50 crore each during the last 5 years</p> <ol style="list-style-type: none"> <li>a) 1 project – 2 marks</li> <li>b) 2 Projects – 4 marks</li> <li>c) 3 projects - 6 marks.</li> </ol>	<p>The sole bidder or any consortium member should submit the following documents.  Work order/signed contract and client completion certificate to be submitted.</p>	6
4	Integration Experience- Smart City	<p>The sole bidder or the consortium (members together) should have been awarded and successfully executed at least one smart city project of minimum value of 100 Cr project including O&amp;M phase since last 1 year or above with implementation and integration of at least 3 components in single project from the list below with command-and-Control center in the last Five (5) years.</p> <ol style="list-style-type: none"> <li>i. Surveillance System with 500 cameras.</li> <li>ii. Camera With Edge Analytics 50 cameras</li> <li>iii. Public Address (PA) System and Emergency Call Box (ECB) 40 nos each</li> <li>iv. Variable Message Display (VMD) /Outdoor Digital Display Board (ODDB) – size &gt;70 Sq. Ft - 20 Nos</li> <li>v. Flood Sensors :10 no's</li> <li>vi. Smart Poles – 20 nos</li> <li>vii. Environmental Sensor – 15 nos</li> </ol> <p>Number of components implemented and integrated under single project and order.</p> <ol style="list-style-type: none"> <li>a) Any 3 components - 2 marks</li> <li>b) Any 4 components - 4 marks</li> <li>c) Any 5 components - 6 Marks</li> </ol>	<p>The sole bidder or any consortium member should submit the following documents. Work order/signed contract and client completion certificate to be submitted.</p>	10

		<p>d) Any 6 components - 8 Marks</p> <p>e) All 7 components - 10 Marks</p>		
5	ICCC OEM Experience	<p>The Sole Bidder or lead bidder or consortium member in case of consortium should have experience of Implementation of ICCC with the proposed OEM platform in India.</p> <p>a) 2 projects – 2 marks</p> <p>b) 3 projects – 4 marks</p> <p>c) 4 projects or more -6 marks</p>	<p>The Bidder should submit the following documents duly indicating OEM details.</p> <p>1. P.O Copy and Completion Certificate / Installation Notes/UAT Certificates from the MSI / SI as documentary proof.</p>	6
6	TES Implementation	<p>The Sole bidder or any consortium member should have designed and implemented minimum 50 AI based ANPR or RLVD or SVD cameras in a project related to City or State surveillance /ITMS/ Safe city/Smart city project in India during last 5 years. Marks shall be allocated based on the number of cameras under single project as follows:</p> <p>a) 50 to 250 cameras - 2 marks</p> <p>b) 251 to 450 cameras - 4 marks</p> <p>c) 451 and more - 6 marks</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>Work order/signed contract and client completion certificate to be submitted.</p>	6
7	ATCS Experience	<p>The sole bidder or the consortium (members together) should have managed 20 Adaptive Traffic Controllers in a single project in India during last 5 Years. Marks shall be allocated based on the number of controllers under a single project and order. as follows:</p> <p>a) <math>\geq 20</math> to <math>&lt; 60</math> controllers - 2 marks</p> <p>b) <math>\geq 60</math> to <math>&lt; 100</math> controllers – 4 marks</p> <p>c) more than 100 controllers – 6 marks</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>Work order/signed contract and client completion certificate to be submitted.</p>	6
8	IoT Implementation Experience	<p>The sole bidder or the consortium (members together) shall have integrated minimum 750 IoT smart components (PA, Emergency Call Box, Flood sensor, VMD, Camera, Environmental sensor, Smart Light) in a single project related smart city in India during last 5 years.</p> <p>The above definition applies to a single project and order.</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>Work order/signed contract and client completion certificate to be submitted.</p>	6

		<p>Marks shall be allocated based on the number of IOT components in a single project as follows.</p> <p>a) <math>\geq 750</math> to <math>&lt; 1500</math> IoT Components - 2 mark</p> <p>b) <math>&gt; 1500</math> to <math>&lt; 3000</math> IoT components - 4 marks</p> <p>c) <math>&gt; 3000</math> IoT components – 6 marks</p>		
9	VMD Implementation	<p>The sole bidder or the consortium (members together) shall have successfully designed and implemented minimum 20 VMD's /Outdoor Digital Display Board <math>\geq 70</math> sq. ft.</p> <p>The above definition applies to a single project and order.</p> <p>Marks shall be allocated based on the number of VMD's in a single project as follows.</p> <p>a) <math>\geq 20</math> to 30 nos. - 2 mark</p> <p>b) <math>\geq 30</math> to <math>&lt; 40</math> nos. - 4 marks</p> <p>c) <math>\geq 40</math> nos. - 6 marks</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>Work order/signed contract and client completion certificate to be submitted.</p>	6
10	MeitY Cloud Hosting Implementation	<p>The sole bidder or the consortium (members together) in case of consortium must have experience of deployment and management of application on MeitY empaneled Cloud for any project of any Central/ State Govt./ PSU or Government body/institution in India during last 5 years.</p> <p>a) 1 project = 2 Marks</p> <p>b) 3 projects = 4 Marks</p> <p>c) 5 or more projects = 6 Marks</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>Work order/signed contract and client completion certificate to be submitted.</p>	6
11	O&M activity of Smart City	<p>The sole bidder or the consortium (members together) in case of consortium should have experience in O&amp;M activity of Smart City ICCO project along with ITMS in a single project post Go-Live.</p> <p>a) 2 years O&amp;M completed- 2 marks</p> <p>b) 3 years O&amp;M completed- 4 marks</p> <p>c) 4 years and above O&amp;M completed -6 marks.</p>	<p>The sole bidder or any consortium member should submit the following documents.</p> <p>1. Work order/signed contract and client completion certificate to be submitted.</p> <p>2. For ongoing contracts, satisfactory completion duly indicating the</p>	6

			period to be submitted																			
12	<b>Approach &amp; Methodology</b>	<p>Following parameters will be evaluated in submitted Technical Proposal document:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>Understanding of the project and conformity to volume II: Scope of Work, Functional Requirements and System Architecture in the proposed solution</td> <td>2</td> </tr> <tr> <td>Proposed deployment architecture for DC &amp; DR to meet the functionalities as given in RFP and Proposed Network Architecture covering ICCC platform, DC/DR, to meet the functionalities as given in RFP.</td> <td>2</td> </tr> <tr> <td>Proposed security solution to safeguard against various threats including hacking attempts, cyber-crime, internal/ external threats etc.</td> <td>2</td> </tr> <tr> <td>Proposed solution for design &amp; development of SOPs and KPIs (list down all the SOPs &amp; KPIs identified for the solution).</td> <td>2</td> </tr> <tr> <td>Identification of major risks and suitable mitigation plans for each of identified risks</td> <td>2</td> </tr> <tr> <td>Methodology, tools and Technologies to monitor &amp; maintain the SLAs and managing change requests</td> <td>2</td> </tr> <tr> <td>Proposed structure for: 1. Project Strategy 2. Project Management 3. Risk Management 4. Resource Plan 5. Project Governance Model</td> <td>2</td> </tr> <tr> <td><b>Presentation:</b> The Bidder will need to exhibit functional and non-functional requirements through presentation. The presentation should demonstrate capabilities against the parameters highlighted in Approach &amp; Methodology section</td> <td>1</td> </tr> </tbody> </table>	Parameter	Marks	Understanding of the project and conformity to volume II: Scope of Work, Functional Requirements and System Architecture in the proposed solution	2	Proposed deployment architecture for DC & DR to meet the functionalities as given in RFP and Proposed Network Architecture covering ICCC platform, DC/DR, to meet the functionalities as given in RFP.	2	Proposed security solution to safeguard against various threats including hacking attempts, cyber-crime, internal/ external threats etc.	2	Proposed solution for design & development of SOPs and KPIs (list down all the SOPs & KPIs identified for the solution).	2	Identification of major risks and suitable mitigation plans for each of identified risks	2	Methodology, tools and Technologies to monitor & maintain the SLAs and managing change requests	2	Proposed structure for: 1. Project Strategy 2. Project Management 3. Risk Management 4. Resource Plan 5. Project Governance Model	2	<b>Presentation:</b> The Bidder will need to exhibit functional and non-functional requirements through presentation. The presentation should demonstrate capabilities against the parameters highlighted in Approach & Methodology section	1	15	Technical Solution Document
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13	<b>Technical Demonstration / PoC</b>	Following parameters will be evaluated during Technical Demonstration:	15																			

- (1) Demonstrate **Sub-System Integration** with ICCC Platform (Any Three from or as per Authority requirements): ( 5 Marks)
- a. One element integration : 2.0 Marks
  - b. Two elements integration : 3.0 Marks
  - c. Three elements integration: 5.0 Marks

System
CCTV surveillance solution
VMD Solution
Traffic Management
Smart Pole with PA system/ Environmental Sensor
Water SCADA

- (2) Demonstrate **Sub-System control** from ICCC platform (All from below or as per Authority requirements): ( 5 Marks)
- a. One element control : 2.0 Marks
  - b. Two elements control : 3.0 Marks
  - c. Three elements control : 5.0 Marks

System
CCTV surveillance solution
VMD Solution
Traffic Management
Smart Pole with PA system/ Environmental Sensor
Water SCADA

- (3) Demonstrate 3D simulation for proposed solutions: (5 Marks)

#	System	Marks
1	Demonstrate the ICCC Control Room setup with visualization of smart components and integration with GIS	2.5
2	Demonstrate 3D simulation for proposed solutions	2.5

\*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

		<p>devices, ICCC dashboards, incident Management from ICCC. Finally, how the whole scenario is helping citizens in the Smart City.</p> <p>Note: The Bidder will be required to submit softcopy of both presentation and simulation video to Authority after presentation is over.</p>		
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### 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

**\*\* Bidder: The Sole Bidder (or) in case of a Consortium, the Lead Bidder and member of the Consortium put together**

#### Notes:

1. Documentary evidence (Citation, Copy of completion / ongoing client certificate and work order / Contract/self-certificate) is required for all project experience.
  - a) If project is in progress/ongoing:
    - Work-in-progress letter/certificate from client indicating project completion by 90% or more, in terms of financial (or) project scope perspective.
    - Self-certificate from bidder signed by statutory auditor/ CA indicating project completion by 90% or more, in terms of financial (or) project scope perspective

2. 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. Bidder not scoring Minimum Sectional Qualifying Marks will be disqualified.

### 3.6.2 Technical Demonstration of Proof of Concept during evaluation period

Objective of Technical Demonstration of POC for City Command Centre Software is to evaluate the technology & system performance for getting city business outcome; During the Demonstration/Proof-of-Concept (PoC) at technical evaluation stage, the Technical Committee will give special attention to verify the quality, robustness and appropriateness of the proposed Solutions/Equipment and Integrated Operations Platform. If any brand / products 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.

System Demonstration	Integrated Operations Platform Software
Demo Material and Set up	Department scope: a) Power Source b) Space for installing server and workstation *Demo Material – OEM/SI Scope *Demo Setup (OEM/SI scope) at Site
Performance Evaluation	Live demo and integration services of use cases to be shared with the eligible bidders 48 hours before the demonstration.
Suggestive Technology Selection Criteria	Please refer to parameters mentioned in the section D1 (Technical Demonstration) of Technical Evaluation Framework

**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 Manpower 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.

1.	Project Director / Project Manager	Work experience of 10 years in the capacity of Project Director/ Project Manager in ICT/ Command and Control Center Implementation Projects
2.	Integrated Command and Control Centre (ICCC) Expert	Work experience of 10 years in the capacity of Integrated Command and Control Center Expert
3.	Solution Architect	MCA/M. Tech/B. Tech/B.E. Experience of 5 years as IT/ICT solution architect
4.	Integrated Traffic Management Expert	Experience of 5 years as Integrated Traffic Management Expert Should have experience in designing & implementing Integrated Traffic Management system.
5.	Security Infrastructure Expert	Experience of 5 years as Security Infrastructure Expert Should have experience in Security Infrastructure Expert
6.	Data Management /Analyst	Experience of 5 years as Data Management / Analyst Should have experience in Data Management / Analyst
7.	Business Analyst / Use case/ SOP Expert	Experience of 5 years as Business Analyst / Use case / SOP Expert Should have experience in Business Analyst / Use case / SOP Expert:
8.	Network Architect	Experience of 5 years as Network Architect Should have experience in Network Architect
9.	Storage / Server Database Expert	Experience of 5 years as Storage / Server Database Expert Should have experience in Storage / Server Database Expert

**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 in writing by e-mail followed by courier. To be confirmed by the Bidder in writing by email followed by courier.

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 Signing of Contract**

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.

### **4.3 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 9 - 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 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder:

- a. Fails to meet the overall penalty condition as mentioned in RFP Volume II or any changes agreed between the parties,
- b. Fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority,
- c. 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 only up to the completion of the period of 'Go- Live' + 60 months for the Solution. Irrevocable PBG will be accepted as per the banking norms with year on year renewal.

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.

#### **4.4 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, value added or sales tax, 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 nel
- iii. 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. Extra (New) Items

- a. The reimbursement for extra items shall be validated by the RailTel, DRDM / PSCDL. The SI shall be bound to execute extra items of work as directed by the 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.

##### ii. Payment Certificates

- a. The Selected Bidder shall submit to the 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 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 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.

## 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.)
	Bid Cover Letter and Particulars of organizations		
	Power of attorney / board resolution to the authorized Signatory of the Bid		
	Consortium agreement (if applicable)		
	E.M.D. of INR 1,00,00,000 (1 Crore)		
	Particulars of the bidders (As per section 6.3 of Annexure 2)		
	Copy of Certificate(s) of Incorporation		
	Certificate(s) from the statutory auditor/CA towards average Turnover of the entity/entities for any of the 3 out of last 4 financial years (FY 2019-20, 2020-21 and 2021-22)		
	Certificate(s) from the statutory auditor/CA towards positive net worth as per last audited financial year		
	Certified copies of valid PAN documents		
	Copy of GST registration		
	Sole Bidder or any consortium partner should have operation in video based surveillance domain at least 7 years as on last date of bid submission		
	<p>The sole bidder or any consortium partner should have relevant experience in India related to safe city/smart city/airport/metro CCTV Surveillance with any central/state Govt./PSU in at least 4 areas among the below.</p> <ol style="list-style-type: none"> <li>1. One project of minimum 400 High resolution cameras</li> <li>2. One project of minimum 40 Industrial Grade switches</li> <li>3. One project of minimum 100 ANPR cameras</li> <li>4. One project of minimum 50 RLVD/SVD cameras</li> <li>5. One project of minimum ATCS in 10 Junctions</li> <li>6. One project of minimum 30 KM of OFC laying</li> <li>7. One Project of ICCC with minimum 6 integrations (200 field components)</li> <li>8. One project of minimum 10 smart poles</li> </ol>		
	The Sole Bidder or any of the consortium partner should be <b>CMMI-L3 or above</b> certified.		

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
	Sole Bidder/Lead bidder should establish Project office within 30 days of issuance of LoA/Lol in Puducherry City if not established earlier		
	Sole Bidder/Lead bidder should establish Project office within 30 days of issuance of LoA/Lol in Puducherry City if not established earlier		
	The Sole bidder or all members should not have been blacklisted by any Central / State Government / Government Undertaking / ULB in India as on the bid submission date		
	Power of Attorney should be signed by all consortium members to lead bidder and for the authorized signatory to be submitted.		

**6.2 Pre-Qualification Bid Covering Letter**

Date: dd/ mm / yyyy

To,

Executive Director,  
 RailTel corporation of India Limited,  
 1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
 Begumpet Airport Road,  
 Opp. Shoppers Stop, Hyderabad- 500 016.

**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. &lt;&lt;.....&gt;&gt; dated &lt;&lt;...&gt;&gt;

Dear Sir,

With reference to your “**RFP 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**”, we hereby submit our Prequalification bid, Technical Bid and Commercial Bid for the same.

We hereby declare that:

- a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.
- b. We have submitted EMD of Indian Rupees one Crore and Tender fee of Indian Rupees[.... online through NEFT/ RTGS in the <<Account details>> / vide BG. No dated from Bank.
- c. We hereby declare that all information and details furnished by us in the Bid are true and correct, and all documents accompanying such application are true copies of their respective originals.
- d. We agree to abide by our offer for a period of 180 days from the date of opening of pre-qualification bid prescribed by **Authority** and that we shall remain bound by a communication of acceptance within that time.
- e. We have carefully read and understood the terms and conditions of the RFP and the conditions of the contract applicable to the RFP. We do hereby undertake to provision as per these terms and conditions.
- f. In the event of acceptance of our bid, we do hereby undertake:
  - i. To supply the products and commence services as stipulated in the RFP document
  - ii. To undertake the project services for entire contract period from the date of signing of the contract as mentioned in the RFP document.
  - iii. We affirm that the prices quoted are inclusive of design, development, delivery, installation, commissioning, training, providing facility management and handholding support, and inclusive of all out of pocket expenses, taxes, levies discounts etc.

- g. We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.
- h. We understand that the **Authority** may cancel the bidding process at any time and that **Authority** is not bound to accept any bid that it may receive without incurring any liability towards the bidder.
- i. We fully understand and agree to comply that on verification, if any of the information provided in our bid is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so

In case of any clarifications please contact \_\_\_\_\_ email at \_\_\_\_\_

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) as on 31st March, 2022	
15.	Company's Net Worth for the last 3 years (Year wise) as on 31st March,2022	
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	

**B. Certificate of Incorporation/Registration (required for both bidder and Consortium members)**

**C. Financial Turnover**

The financial turnover of the company is provided as follows:

	2019-2020	2020-2021	2021-22
Annual Turnover			
Profit After Tax			
Net worth			

Copy of audited financial statements or declaration from the appointed Statutory Auditor/CA to be provided as proof of the financial turnover

Positive Net Worth, as on the last date of latest audited financial year. Copy of self-certified Statutory Auditor certificate/CA to be submitted along with the bid

**6.4 Declaration of Non-Blacklisting**

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

**Declaration for Lead Bidder:**

Place

Date

To,

Executive Director,  
RailTel corporation of India Limited,  
1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
Begumpet Airport Road,  
Opp. Shoppers Stop, Hyderabad- 500 016.

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 State or UT and or Central Government 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 Lead Bidder)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address:

**Declaration for Consortium Member:**

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

{Place}

{Date}

To,

Executive Director,  
RailTel corporation of India Limited,  
1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
Begumpet Airport Road,  
Opp. Shoppers Stop, Hyderabad- 500 016.

**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 State or UT and or Central Government 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 Consortium Member)

Printed Name

Designation

**Seal**

Date:

Place:

Business Address:

**6.5 No Deviation Certificate**

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**

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 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. 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 are being 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**

SI #	Checklist Item	Compliance (Yes/No)	Page No. and Section No. in the Bid
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' Anti-Collusion certificate		
10	Non-disclosure agreement		

**6.10 Technical Bid Covering Letter**

Date: dd/mm/yyyy

To,

Executive Director,  
 RailTel corporation of India Limited,  
 1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
 Begumpet Airport Road,  
 Opp. Shoppers Stop, Hyderabad- 500 016.

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. &lt;&lt;.....&gt;&gt; dated &lt;&lt; .....&gt;&gt;

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**

- Client type – Indicate whether the client is Government or PSU 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 or completion certificate or letter of appointment
- 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**

Prime Bidder or Consortium member is 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 prime bidder or consortium member	
TQ Criteria Details	

*Note: If the project is ongoing, bidder must clearly specify which of the stages/phases/milestones are completed and which are ongoing and at what stage of completion and produce a self-certificate as per the format provided in Section 6.7.*

### 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 functional requirement
2	Detailed Architecture plan encompassing all ICT elements proposed in Volume 2
3	Completeness of project plan and ease of implementation (including training and change management plan)
4	Method of integration proposed with other IT initiative
5	Identification of major risks for the projects and suitable mitigation plan proposed for each of these risks
6	Strategy to maintain all the SLAs and handling change requests
7	Detailed Business Plan highlighting Revenue Streams for relevant smart elements
8	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)
9	Approach towards testing and quality
10	How SLAs mentioned under this RFP will be measured? What tools will be used for SLA measurement?
11	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
12	What are the key learning from the similar projects and how do you propose to incorporate them in executing this assignment.
13	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.

Activities Wise Timeline							
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						

## 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	Project Manager								Onsite
2	Solution Architect								Onsite
3	Intelligent Traffic Management Expert								Onsite
4	Security & Surveillance Expert								Onsite
5	Network & Security – Infrastructure expert								Onsite
6	GIS Expert								Onsite
7	ICCC Expert								Onsite
8	Data Scientist								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

**6.14 Details of Resources Proposed**

*6.14.1 Summary of Resources proposed*

Sl. No.	Name of the resource	Proposed Role	Highest Degree	Basic Qualification (e.g., B.Sc. or BE or MCA or Post Graduation)	Certifications (e.g., PMP or ITIL or TOGAF or CCNP etc.)	Total Experience (In Years)	Relevant Project Experiences

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

<b>Proposed Position:</b>													
	Name of firm												
	Name of the staff												
	Date of Birth												
	Nationality												
	Education	<table border="1"> <thead> <tr> <th>Qualification</th> <th>Institute/University</th> <th>Degree Obtained</th> <th>Year of passing</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Qualification	Institute/University	Degree Obtained	Year of passing				
Qualification	Institute/University	Degree Obtained	Year of passing										
	Membership of Professional Associations:												
	Certifications and Trainings attended												
	Countries of work experience												
	Languages	For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing											
	Employment Record	<table border="1"> <thead> <tr> <th>Employer</th> <th>Position</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Employer	Position	From	To				
Employer	Position	From	To										
	Years of Work Experience												
	Detailed Task Assigned												
<b>Relevant Work Undertaken that Best Illustrates the experience as required for the Role)</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)	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 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 Bidder shall quote only one specific make and model from only

one specific OEM, for each of the goods. Providing more than one option shall not be allowed. Bidders are expected to do the site survey.

6.17.1 Integrated Command & Control Centre (ICCC)

A	ICCC Setup with IT & Non-IT Infrastructure	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
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.	Lot	1			
2	SITC of Video wall controller with cabling and other fixture and wall management software	Lot	1			
3	SITC of Operator Workstation (Helpdesk) with dual monitor (22") with office productivity suite licenses with Antivirus	Number	30			
4	Laptop for higher management with office productivity suite licenses	Number	5			
5	SITC of Network & WiFi enabled A4/A3/Legal Size MFP Colour Laser Printer/Scanner/Copier with ADF	Number	2			
6	SITC of IP Phone	Number	30			
7	SITC of Indoor Fixed Dome Cameras for internal surveillance	Number	12			
8	SITC of Indoor Wi-Fi Access Points for CCC (3 rooms) with controller	Lot	5			
9	SITC of Networking Cost (Passive Components such as LAN/CAT 6 Cabling)	Lumpsum	1			
10	SITC of IP PABX for CCC including all accessories (500 users) with PRI modem pair (2 nos) and PRI lines (1)	Lot	1			
11	SITC of Digital Set top box including recharge	Number	4			
12	SITC of 55" LED display to present critical information Display (War Room/Reception/Meeting room)	Number	4			
13	SITC of Microphone with respective accessories	Number	30			

14	Headphones	Number	30			
15	SITC of SMS Gateway	Lot	1			
16	SITC of Projector	Number	2			
17	<p>Installation, Setting up, Interior, Configuration and Testing of Command and Control Centre</p> <p>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            ICCC Interior ( paneling &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 supression, Biometric system, civil, electrical, networking and with all standards). Face lifting of ICCC Building.</p>	Sq. ft.	4110			
18	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), housekeeping (2 person)	Lot	1			
19	SITC DG set for 200 KVA IT load with installation and commissioning with AMF panel, Earthing, Bed, power cable, change over with accessories	Lot	2			
20	SITC of UPS 60KVA with 150 Ah SMF batteries backup 2 hrs	Lot	2			
<b>B</b>	<b>DC and DR Setup</b>					
1	Server hardware with licenses like OS, DB, third party applications	Lot	1			

2	Primary storage minimum and secondary storage and SAN switches with Backup license for application.	Lot	1			
3	Virtualization (Hypervisor) software with license	Lot	1			
4	Core Switch at ICCC	Number	2			
5	Access Switch - 24 port at ICCC	Number	6			
6	WAN Aggregation Switch at ICCC	Number	2			
7	Core Router at ICCC	Number	2			
8	AAA Solution	Number	2			
9	24 Port L3 Top of the Rack (TOR) Switch	Number	6			
10	Firewall	Number	2			
11	Server Racks - (600 /1200) 42U with PDU and accessories	Number	6			
12	Network Racks - (800 /1200) 42U with PDU and accessories	Number	2			
13	HLD, LLD, Installation, configuration, integration and testing of all IT component at ICCC	Lot	1			
14	Cloud based DC & DR Setup for ICCC Platform and other smart solutions.	Year	1			
15	SITC of Internet Connectivity-1G (from 2 Different ISP) to cloud and internet connectivity -1G for smart pole WiFi and indoor WiFi	Number	3			
<b>C</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	Lot	1			
2	Customization/ Integration of applications hosted by various departments and NIC during implementation and 5 years of O&M Period	Lot	1			
3	Configurable dashboard	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.	Lot	1			
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6.17.2 *Intelligent Traffic Management System (ITMS) & General Surveillance*

D	<b>Intelligent Traffic Management System (ITMS) &amp; General Surveillance</b>	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	<b>Adaptive Traffic Control System (ATCS)</b>					
2	SITC of Traffic Controller	Number	22			
3	SITC of Countdown Timer	Number	80			
4	SITC of pedestrain countdown Timer	Number	80			
5	SITC of Vehicle Detector Camera with illuminator	Number	80			
6	SITC of Cantilever Pole	Number	80			
7	SITC of Standards Poles for Traffic Signal	Number	80			
8	SITC of Traffic Light Aspect- Red	Number	160			
9	SITC of Traffic Light Aspect- Green (Left, Straight and Right Arrow)	Number	480			
10	SITC of Traffic Light Aspect- Amber	Number	160			
11	SITC of Pedestrain Lamp heads- stop & Walkman	Number	160			

12	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	22			
13	SITC of UPS with batteries - UPS 2 KVA	Number	22			
14	SITC of 24 Port L2 Industrial Grade Switch with POE at edge location	Number	44			
15	HDPE Pipe as per requirement	Meter	5000			
16	DWC pipe	Meter	1000			
17	CAT6 Cable	Meter	12000			
18	Pole Mounted Junction Box	Number	80			
19	SITC of Network Switch 24 PORT	Number	24			
20	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	22			
21	SITC of Intranet Router at DC	Number	2			
22	SFP and accessories	LS	1			
23	SITC of Backbone routers	Number	10			
24	ATCS Software Application with ICCC integration	Lot	1			
25	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, Armored power cable, Armored Cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and	Lot	22			

	ensuring the aesthetic look.					
<b>E</b>	<b>Traffic Enforcement System (TES)</b>					
1	<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>Junction</b>	<b>9</b>			
2	SITC of RLVD Overview Camera	Number	15			
3	SITC of ANPR Camera with illuminator	Number	54			
4	SITC of Local Processing unit (LPU)	Number	9			
5	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	9			
6	Galvanized T/L shape poles	Number	27			
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	9			
8	RLVD Software Application License	Number	15			

	with ICCC platform Integration					
9	ANPR Software Application License with ICCC platform Integration	Number	54			
10	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	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, Armored Power Cable, Armored power cable jointing, terminating, trenching, compacting, backfilling as per the site conditions and ensuring the aesthetic look.	Lot	9			
F	<b>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 &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</b>	Junction	12			

	<b>infrastructure as required</b>					
1	SITC of RLVD Overview Camera	Number	28			
2	SITC of ANPR Camera with illuminator	Number	96			
3	SITC of Local Processing unit (LPU)	Number	12			
4	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	12			
5	Galvanized T/L shape poles	Number	48			
6	RLVD Software Application License with ICCC platform Integration	Number	28			
7	ANPR Software Application License with ICCC platform Integration	Number	96			
8	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Number	96			
9	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	Lot	12			

	site conditions and ensuring the aesthetic look.					
<b>G</b>	<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>	<b>Junction</b>	<b>1</b>			
1	SITC of RLVD Overview Camera	Number	5			
2	SITC of ANPR Camera with illuminator	Number	13			
3	SITC of Local Processing unit (LPU)	Number	2			
4	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	2			
5	Galvanized T/L shape poles	Number	5			
6	RLVD Software Application License with ICCC platform Integration	Number	5			
7	ANPR Software Application License with ICCC platform Integration	Number	13			

8	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Number	13			
9	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.	Lot	1			
H	<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>	Lot	3			
1	SITC of SVD Camera with illuminator	Number	3			
2	SITC of ANPR Camera with illuminator	Number	6			
3	SITC of Local Processing unit (LPU)	Number	3			
4	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	3			
5	Galvanized T/L shape poles	Number	3			

6	Online UPS with batteries (2 hr. backup at full load) 2 KVA	Number	3			
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	3			
8	SVD Software Application License with ICCC platform Integration	Number	3			
9	ANPR Software Application License with ICCC platform Integration	Number	6			
10	SITC of LED display for displaying speed limit	Number	3			
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.	Lot	3			
I	<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>	Location	4			

1	SITC of ANPR Camera with illuminator	Number	16			
2	SITC of Local Processing unit (LPU)	Number	4			
3	SITC of Evidence Camera with IR illuminator	Number	8			
4	Galvanized T/L shape poles	Number	8			
5	Online UPS with batteries (2 hr. backup at full load)	Number	4			
6	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	4			
7	Evidence camera Software Application License with ICCC platform Integration	Number	8			
8	ANPR Software Application License with ICCC platform Integration	Number	16			
9	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.	Lot	4			
J	<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</b>	<b>Corridor</b>	<b>3</b>			

	<b>&amp; mounting infrastructure as required</b>					
1	SITC of ANPR Camera with illuminator	Number	12			
2	SITC of Local Processing unit (LPU)	Number	3			
3	Edge level Switches - 8 Port POE switch	Number	3			
4	SITC of Outdoor Field Junction Box with all necessary accessories	Lot	3			
5	Galvanized T/L shape poles	Number	6			
6	SITC of Evidence camera with Illuminator	Number	6			
7	SITC of Vehicle Detector Camera with illuminator	Number	6			
8	Online UPS with batteries (2 hr. backup at full load, 2 Kva)	Number	3			
9	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	3			
10	Evidence camera Software Application License with ICCC platform Integration	Number	6			
11	ANPR Software Application License with ICCC platform Integration	Number	12			
12	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	Lot	3			

	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.					
<b>K</b>	<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>					
1	Traffic monitoring and management system software integration with ICCC during implementation and 5 years of O&M Period	Lot	1			
2	E-Challan handheld device with software application and integration with RTO during implementation and 5 years of O&M Period	Lot	25			
<b>L</b>	<b>General Surveillance</b>					
1	SITC of Outdoor Fixed box camera (2 MP with all accessories) with illuminator	Number	425			
2	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Number	35			

3	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Number	180			
4	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Number	180			
5	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Number	180			
6	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	180			
7	VMS Base License with mobile app client to view all cameras with ICCC Platform Integration	Lot	1			
8	Video management system (supporting open standard / ONVIF ) - camera license (460 new cameras + 100 Existing IP cameras)	Number	560			
9	Video Analytics (VA) Platform for all cameras with Video Synopsis with ICCC Platform Integration	Lot	1			
10	Video Analytics (VA) on all cameras	License	940			
11	SITC of Outdoor Field Junction Box for General Surveillance	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	Lot	180			
13	Cloud based DC & DR Setup for ITMS, ATCS, VMS Platform(s) and other applications.	Year	1			
14	Digging, piping and refilling including digging for electrical cabling	Lot	180			

15	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.	Year	1			
<b>M</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)	Lot	36			
2	PA System Software Application with ICCC Platform Integration	Lumpsum	1			
3	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Lot	25			
4	Emergency Call Box (ECB) System Software Application Platform with ICCC Platform Integration	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)	Lot	11			
6	Variable Message Display Software Application with ICCC Platform Integration	Lot	1			
7	SITC of Environmental sensor	Number	3			
8	SITC of IOT Gateway	Number	3			
9	SITC of Edge level Switches - 8 port	Number	40			
10	SITC of Outdoor Field Junction Box with all	Lot	40			

	necessary accessories					
11	SITC of Galvanized poles	Number	40			
12	SITC of Online UPS with batteries (2 hr. backup at full load, 2Kva)- VMD and environmental sensor	Number	40			
13	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	40			
14	SITC of Wireless integrated PA system with 10 speakers, amplifier and integration with existing wireless system	Number	3			
15	VMD mounting structure, pole inclusive of all civil, electrical, erection, earthing work with necessary foundation for Variable Messaging Display	Number	11			

6.17.3 Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G Ready, LED, VMB, ECB)

<b>N</b>	<b>Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)</b>	<b>Unit of Measurement</b>	<b>Quantity Proposed</b>	<b>Make/Brand</b>	<b>Model Details</b>	<b>Full Compliance (Yes/No)</b>
1	SITC of Smart Pole with all necessary accessories (foundation, brackets, lighting arrestor, civil, network, electrical accessories) (12Mtrs)	Number	12			

2	SITC of LED Luminaire (120w) with Smart Controllers	Number	12			
3	SITC of IOT Gateway	Number	12			
4	SITC of Digital Billboard (Approximately 1.9 m X 0.95m)for Smart Pole	Number	12			
5	SITC of PA system (with speakers, UPS and all accessories)	Lot	12			
6	SITC of Emergency Call Box (ECB) System (with mounting structure, UPS and all accessories)	Lot	12			
7	SITC CCTV Camera with illuminator	Number	36			
8	SITC of Outdoor Wi-Fi Access Points with controller	Number	12			
9	SITC Air Quality Monitoring sensors	Number	12			
10	Smart Pole Application - Air quality, PA System, ECB System, VMB,LED, WiFi with ICC	Lumpsum	1			

	Platform Integration					
11	SITC of Online UPS with batteries (2 hr. backup at full load) 2 Kva	Number	12			
12	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	12			

6.17.4 Creation of Portal / Mobile App & Grievance Redressal Management platform

O	Line Item	Unit of Measurement	Quantity Proposed		Make/Brand	Model Details	Full Compliance (Yes/No)
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	Lot	1				
2	City open data collaboration platform	Lot	1				

6.17.5 Flood monitoring

P	Flood monitoring	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	SITC of Flood Sensor	Number	20			
2	Flood Sensor Software	Lumpsum	1			

	Application License with ICCC platform Integration					
3	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Number	20			
4	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Number	20			
5	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Number	20			
6	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Number	20			
7	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	20			
8	Video management system (supporting open standard / ONVIF ) - camera license	Number	20			
9	SITC of Outdoor Field Junction Box for General Surveillance	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	Lot	20			
11	Digging, piping and refilling including digging for electrical cabling	Lot	20			

## 6.17.6 Smart Kiosk

Q	Smart Kiosk	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	SITC of Smart Kiosk	Number	10			
2	Smart Kiosk Software	Lumpsum	1			

	Application License with ICCC platform Integration					
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## 6.17.7 Geographical Information System (GIS)

<b>R</b>	<b>Geographical Information System (GIS)</b>	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	GIS information system - GIS Map Engine, Integration of shape files on base map, crowd sourcing based data and GIS platform with ICCC platform	Lot	1			

## 6.17.8 OFC

<b>S</b>	<b>Optical Fiber Cabling (OFC)</b>	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	Restoration charges	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	KM	36			

## 6.17.9 Manpower for Implementation Phase and O&amp;M

<b>T</b>	<b>Manpower for Implementation Phase and O&amp;M</b>	<b>Unit of Measurement</b>	<b>Quantity Proposed</b>	<b>Full Compliance (Yes/No)</b>
1	Project Manager - 1 no	Number	1	
2	Solution Architect - 1 no	Number	1	
3	ICCC Expert - 1no	Number	1	
4	Network Architect - 1 no	Number	1	
5	Security Infrastructure and CCTV specialist - 1 each	Number	1	
6	GIS Expert - 1 no	Number	1	
7	Data Management Expert - 1 no	Number	1	
8	Business Analyst/Use case/SOP Expert - 1 no	Number	1	
9	Server Storage/ Database Expert - 1 no	Number	1	
10	ITMS & ATCS Expert - 1 no	Number	1	
11	Electrical Engineer - 1 Person	Number	1	
12	Electrical Technician - 2 Person	Number	2	
13	OFC Expert - 1 no	Number	1	
14	Helpdesk operator (20 no)	Number	20	
15	Security staff (4 no)	Number	4	
16	Civil Technician - 2 person	Number	2	
17	Civil Engineer - 1 no	Number	1	
18	Field Engineer - 5 Persons	Number	5	
19	Office staff, Reception (3 no)	Number	3	

## 6.17.10 Training, Certification and Audit

U	Training, Certifications and Audit	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
1	Functional Training (20 Person)	Batches	30			
2	Administrative Training (10 Person)	Batches	5			
3	Sr. Management Training (10 Person)	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)	Lumpsum	2			

## 6.17.12 Other Use cases

V	Other Use cases	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
	<b>Digital assistant Application with ICCC platform Integration</b>					
1	Manpower (one person) at one location of smart kiosk	Number	1			

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

To,  
 Executive Director,  
 RailTel corporation of India Limited,  
 1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
 Begumpet Airport Road,  
 Opp. Shoppers Stop, Hyderabad- 500 016.

**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 offer our Price Bid as mentioned below:**

S.No.	Type of Expenditure	Amount (in Indian Rupees)
1	Total CAPEX price ( Excl Tax, Levies Duties)	
2	Total OPEX price for 5 years( Excl. Tax, Levies, Duties))	
<b>3</b>	<b>Total Price ( (1+2) Excl, Tax, Levies Duties) In figures</b>	
<b>4</b>	<b>Total Price ((1+2) Excl, Tax, Levies Duties) In Words</b>	
5	Total – Tax Levies and Duties, etc. for Capex Price	
6	Total – Tax Levies and Duties Tax, etc. for Opex Price for 5 years	
7	Total Price All Incl. (Tax, levies Duties Etc.) (3+5+6)	

### 7.1 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,

Executive Director,  
RailTel corporation of India Limited,  
1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
Begumpet Airport Road,  
Opp. Shoppers Stop, Hyderabad- 500 016.

[                    ],

Subject: Manufacturer's Authorization Form

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

Dear Sir,

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

We hereby extend, our warranty for the hardware goods 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.

We also confirm that our offered product will not be end of life for minimum of 60 months from the date of bidding and the support for such offered product/s will be available for minimum of 3 years from the date of bidding.

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	
.	Integrated Command and Control Software
.	VMS Application Licenses , Video Analytics
.	RLVD Application Software
.	GIS Application Software
.	EMS
.	ATCS
.	Smart Pole
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

**7.2 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 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:

**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 80% of Total Price quoted in the commercial bid.
5. In case the bidder quotes higher figures (more than 80% of Total Price) towards CAPEX, the same shall be restricted to 80% while making payments towards CAPEX. Any value quoted towards CAPEX over and above 80% limit will be paid in equal monthly instalments during O&M phase along with monthly payment subject to the Clause for incentivizing the Bidder

**7.3 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.

**Integrated Command & Control Centre (ICCC)**

A	Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In Indian Rupees) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
	<b>ICCC Setup with IT &amp; Non-IT Infrastructure</b>					
	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.	Lot	1			
	SITC of Video wall controller with cabling and other fixture and wall management software	Lot	1			
	SITC of Operator Workstation (Helpdesk) with dual monitor (22") with office productivity suite licenses with Antivirus	Number	30			
	Laptop for higher management with office productivity suite licenses	Number	5			
	SITC of Network & WiFi enabled A4/A3/Legal Size MFP Colour Laser Printer/Scanner/Copier with ADF	Number	2			
	SITC of IP Phone	Number	30			
	SITC of Indoor Fixed Dome Cameras for internal surveillance	Number	12			
	SITC of Indoor Wi-Fi Access Points for CCC (3 rooms) with controller	Lot	5			
	SITC of Networking Cost (Passive Components such as LAN/CAT 6 Cabling)	Lumpsum	1			
	SITC of IP PABX for CCC including all accessories (50	Lot	1			

	users) with PRI modem pair (2 nos) and PRI lines (1)					
	SITC of Digital Set top box including recharge	Number	4			
	SITC of Video Conferencing Unit	Number	1			
	SITC of 55" LED display to present critical information Display (War Room/Reception/Meeting room)	Number	4			
	SITC of Microphone with respective accessories	Number	30			
	Headphones	Number	30			
	SITC of SMS Gateway	Number	1			
	SITC of Projector	Number	2			
	<b>Installation, Setting up, Interior, Configuration and Testing of Command and Control Centre Integrated Command Control Center = 1350 Sq.ft.</b> <b>Conference Room + Reception + Waiting area = 1400 Sq.ft.</b> <b>Data center Room = 250 Sq.ft</b> <b>Power room = 1110 Sq.ft</b> ICCC Interior (panelling & painting) and all necessary accessories, rodent replennt syste, 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, civil, electrical, networking and with all standards). Face lifting of ICCC Building.	Sq. ft.	4110			
	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)	LOT	1			
	SITC DG set for 200 KVA IT load with installation and commissioning with AMF panel, Earthing, Bed,	Number	2			

	power cable, change over with accessories					
	SITC of UPS 60KVA with 150 Ah SMF batteries backup 2 hrs	Number	2			
	<b>DC and DR Setup</b>					
	Server hardware with licenses like OS, DB, third party applications..etc	Lot	1			
	Primary storage 500TB and secondary storage 1000 TB .	Lot	1			
	Virtualisation (Hypervisor) software with license	Lot	1			
	Core Switch at ICCC	Number	2			
	Access Switch	Number	6			
	WAN Aggregation Switch at ICCC	Number	2			
	Core Router at ICCC	Number	2			
	24 Port L3 Top of the Rack (TOR) Switch	Number	6			
	Firewall	Number	2			
	Server Racks - (600 /1200) 42U with PDU and accessories	Number	6			
	Network Racks - (800 /1200) 42U with PDU and accessories	Number	2			
	Installation, configuration, integration and testing of all IT component at ICCC	Lot	1			
	Cloud based DC & DR Setup for ICCC Platfrom, Smart Parking, GIS Application and other smart solutions except Surveillance application(s)	Year	1			
	SITC of Internet Connectivity-1G (from 2 Different ISP) to cloud and internet connectivity -1G for smart pole WiFi and indoor WiFi	Number	3			
	<b>ICCC Applications and Software Platforms on DC and DR both</b>					
	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	Lot	1			
	Customization/ Integration of applications hosted by	Lot	1			

	various departments during implementation and 5 years of O&M Period					
	Configurable dashboard	Lot	1			
	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.	Lot	1			
	Accessories & Miscellaneous items required for the above Solution	Lot	1			
	Any other Components additionally required by the Bidder to be added	Lot	1			

### Traffic Enforcement System

B	Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
	<b>Adaptive Traffic Control System (ATCS)</b>					
2.	SITC of Traffic Controller	Number	22			
3.	SITC of Countdown Timer	Number	80			

4.	SITC of Vehicle Detector Camera with illuminator	Number	80			
5.	SITC of Cantilever Pole	Number	80			
6.	SITC of Standards Poles for Traffic Signal	Number	80			
7.	SITC of Traffic Light Aspect- Red	Number	80			
8.	SITC of Traffic Light Aspect- Green (Left, Straight and Right Arrow)	Number	160			
9.	SITC of Traffic Light Aspect- Amber	Number	480			
10.	SITC of Pedestrian Lamp heads- stop & Walkman	Number	160			
11.	SITC of Outdoor Field Junction Box with all necessary accessories	Number	160			
12.	SITC of UPS with batteries - UPS 2 KVA	Number	22			
13.	SITC of 24 Port L2 Industrial Grade Switch with POE at edge location	Number	22			
14.	HDPE Pipe	Meter	44			
15.	DWC pipe	Meter	5000			
16.	CAT6 Cable	Meter	1000			
17.	Pole Mounted Junction Box	Number	12000			
18.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	80			
19.	ATCS Software Application with ICCC integration	Lot	24			
20.	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 50/90 mm HDPE Pipe at road crossing, island, median etc.	Lot	22			

	90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority					
	<b>Traffic Enforcement System (TES)</b>					
22.	<b>SITC of Red Light Violation Detection (RLVD) System including No Helmet Detection 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>	Junction	9			
23.	SITC of RLVD Overview Camera	Number	15			
24.	SITC of ANPR Camera with illuminator	Number	54			
25.	SITC of Local Processing unit (LPU)	Number	9			
26.	Field Junction box	Number	9			
27.	Galvanized T/L shape poles	Number	27			
28.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	9			
29.	RLVD Software Application License with ICCC platform Integration	Junction	15			
30.	ANPR Software Application License with ICCC platform Integration	Junction	54			
31.	No-Helmet, wrong way, No seat belt	Number	54			

	and Triple riding Detection Application License					
	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 50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority	Lot	9			
33.	<b>SITC of Red Light Voilation Detection (RLVD) System including No Helmet Detection, 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>	Junction	5			
34.	SITC of RLVD Overview Camera	Number	28			
35.	SITC of ANPR Camera with illuminator	Number	96			
36.	SITC of Local Processing unit (LPU)	Number	12			
37.	Field Junction box	Number	12			

38.	Galvanized T/L shape poles	Number	48			
39.	RLVD Software Application License with ICCC platform Integration	Number	28			
40.	ANPR Software Application License with ICCC platform Integration	Number	96			
41.	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Number	96			
42.	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 50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority	Lot	12			
43.	<b>SITC of Red Light Voilation Detection (RLVD) System including No Helmet Detection, 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</b>	Junction	1			

	<b>Illuminator, Local Processing Unit, with cabling, accessories &amp; mounting infrastructure as required</b>					
44.	SITC of RLVD Overview Camera	Number	5			
45.	SITC of ANPR Camera with illuminator	Number	13			
46.	SITC of Local Processing unit (LPU)	Number	2			
47.	Field Junction box	Number	2			
48.	Galvanized T/L shape poles	Number	2			
49.	RLVD Software Application License with ICCC platform Integration	Number	5			
50.	ANPR Software Application License with ICCC platform Integration	Number	13			
51.	No-Helmet, wrong way, No seat belt and Triple riding Detection Application License	Number	13			
52.	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 50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority	Lot	1			
53.	<b>SITC of Speed Detection System for</b>	<b>Lot</b>	<b>3</b>			

	<b>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>					
54.	SITC of SVD Camera with illuminator	Number	3			
55.	SITC of ANPR Camera with illuminator	Number	6			
56.	SITC of Local Processing unit (LPU)	Number	3			
57.	Edge level Switches	Number	3			
58.	Online UPS with Batteries (2 hrs backup at full load 2 KVA )	Number	3			
59.	Field Junction box	Number	3			
60.	Galvanized T/L shape poles	Number	3			
61.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	3			
62.	SVD Software Application License with ICCC platform Integration	Number	6			
63.	ANPR Software Application License with ICCC platform Integration	Number	3			
64.	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 50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5	Lot	3			

	Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority					
65.	<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>	Location	4			
66.	SITC of ANPR Camera with illuminator	Number	16			
67.	SITC of Local Processing unit (LPU)	Number	4			
68.	SITC of Evidence Camera with IR illuminator	Number	8			
69.	Galvanized T/L shape poles	Number	8			
70.	Online UPS with batteries (2 hr. backup at full load)	Number	4			
71.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	4			
72.	Evidence camera Software Application License with ICCC platform Integration	Number	8			
73.	ANPR Software Application License with ICCC platform Integration	Number	16			
74.	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	Lot	4			

	50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority					
75.	<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>	Corridor	3			
76.	SITC of ANPR Camera with illuminator	Number	12			
77.	SITC of Local Processing unit (LPU)	Number	3			
78.	Edge level Switches - 8 Port POE switch	Number	3			
79.	Field Junction box	Number	3			
80.	Galvanized T/L shape poles	Number	6			
81.	SITC of Evidence camera with Illuminator	Number	6			
82.	Online UPS with batteries (2 hr. backup at full load, 2 Kva)	Number	3			
83.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	3			
84.	Evidence camera Software Application License with ICCC platform Integration	Number	6			
85.	ANPR Software Application License with ICCC platform Integration	Junction	12			

	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 50/90 mm HDPE Pipe at road crossing, island, median etc. 90/120mm DWC pipe, 14/7 core 1.5 Sqmm Armoured cable 3 Core, 2.5 Sqmm Armoured Cable jointing, terminating, trenching, compacting, backfilling as per satisfaction of authority	Lot	3			
87.	<b>Integration with E-Challan software(Central/State/Local), Application at ICC, 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>					
88.	Traffic monitoring and management system software integration with ICC during implementation and 5 years of O&M Period	Lot	1			
89.	E-Challan handheld device with software	Lot	25			
90.	<b>General Surveillance</b>					

91.	SITC of Outdoor Fixed box camera (2 MP with all accessories) with illuminator	Number	425			
92.	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Number	35			
93.	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Number	180			
94.	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Number	180			
95.	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Number	180			
96.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	180			
97.	VMS Base License with mobile app client to view all cameras with ICCS Platform Integration	Number	1			
98.	Video management system (supporting open standard / ONVIF) - camera license	Number	560			
99.	Video Analytics (VA) Platform for all cameras with Video Synopsis with ICCS Platform Integration	Lot	1			
100.	Video Analytics (VA) on all cameras	License per camera	940			
101.	SITC of Outdoor Field Junction Box for General Surveillance	Number	180			
102.	Networking cost (Passive Components : Junction box, LIU/ Patch panel, OFC, CAT6, Patch chord, Pipes, Earthing, Lightning arrestor, Electrical and earthing cables etc	Lot	180			
103.	Cloud based DC & DR Setup for ITMS, ATCS, VMS	Year	1			

	Platform(s) Cloud architecture to support 31 to 365 days storage while 30 days local storage					
104.	Digging, piping and refilling including digging for electrical cabling	Lot	180			
105.	SITC of Access OFC (12F) , OFC patch cords, junction boxes, networking, civil, electrical and other accessories (65 Km)	Year	1			
106.	<b>Smart solution components (i.e., PA, ECB and VMD)</b>					
107.	SITC of PA system ( all accessories)	Lot	36			
108.	PA System Software Application with ICCS Platform Integration	Lumpsum	1			
109.	SITC of Emergency Call Box (ECB) System (all accessories)	Lot	25			
110.	Emergency Call Box (ECB) System Software Application Platform with ICCS Platform Integration	Lumpsum	1			
111.	Variable Message Display (VMD) and VMD Controller (3m X 2m) Double side display including VMS controler (with all accessories)	Number	11			
112.	Variable Message Display Software Application with ICCS Platform Integration	Lumpsum	1			
113.	SITC of Environmental sensor	Number	3			
114.	SITC of IOT Gateway	Number	3			
115.	SITC of Edge level Switches - 8 port	Number	40			
116.	SITC of Field Junction box	Number	40			
117.	SITC of Galvanized poles	Number	40			
118.	SITC of Online UPS with batteries (30 min. backup at full load,	Number	40			

	2Kva)- VMD and environmental sensor					
119.	SITC of Provisioning of Electrical Meter (One-time Charges)	Number	40			
120.	VMD mounting structure, pole inclusive of all civil, electrical, erection, earthing work with necessary foundation for Variable Messaging Display	Number	11			
121.	SITC of Wireless integrated PA system with 10 speakers, amplifier and integration with existing wireless system	Number	3			

**Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)**

C	Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
	SITC of Smart Pole with all necessary accessories (foundation, brackets, lighting arrestor, civil, network, electrical accessories) (12Mtrs)	Number	12			
	SITC of LED Luminaire (120w) with Smart Controllers	Number	12			
	SITC of IOT Gateway	Number	12			
	SITC of Digital Billboard (Approximately 1.9 m X 0.95m)for Smart Pole	Lot	12			
	SITC of PA system (with speakers, UPS and all accessories)	Lot	12			
	SITC of Emergency Call Box (ECB) System (with	Number	12			

	mounting structure, UPS and all accessories)					
	SITC CCTV Camera with illuminator	Number	36			
	SITC of Outdoor Wi-Fi Access Points with controller	Number	12			
	SITC Air Quality Monitoring sensors	Lumpsum	12			
	Smart Pole Application - Air quality, PA System, ECB System, VMB,LED, WiFi with ICCC Platform Integration	Number	1			
	SITC of Online UPS with batteries (2 hr. backup at full load) 2 Kva	Number	12			
	SITC of Provisioning of Electrical Meter (One-time Charges)	Lot	12			

#### Creation of online/mobile based platform to facilitate tourists & visitors

	Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
	a) Mobile App for Tourists & Citizens (iOS, Android) b) Training and Capacity building charges c) City Level Integration Platform d) Citizen engagement and Grievance Redressal Management Systems and back end workflow	Lot	1			
	City open data collaboration platform	Lot	1			

**Flood Monitoring**

	Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
1.	SITC of Flood Sensor	Number	20			
2.	Flood Sensor Software Application License with ICCC platform Integration	Lumpsum	1			
3.	SITC of Outdoor PTZ camera MP - (2 MP with all accessories) with illuminator	Number	20			
4.	SITC of 8 Port L2 Industrial Grade POE Switch at edge location	Number	20			
5.	SITC of Online UPS with batteries (2 hr. backup at full load) 2kva	Number	20			
6.	SITC of Poles for cameras and equipment (Galvanized Standard Poles)	Lot	20			
7.	SITC of Provisioning of Electrical Meter (One-time Charges)	Lot	20			
8.	Video management system (supporting open standard / ONVIF ) - camera license	Lot	20			
9	SITC of Outdoor Field Junction Box for General Surveillance	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	Lot	20			
11	Digging, piping and refilling including digging for electrical cabling	Lot	20			

**Note: Bidder is required to optimize the solution wherever applicable while proposing equipment such as Industrial grade switches, Poles, Cabling etc. such that the infrastructure is utilized for other field system.**

#### Geographical Information System (GIS) integration cost

Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full Compliance (Yes/No)
GIS integration with ICCC platform	Lot	1			
Accessories & Miscellaneous items required for the above Solution	Lot	1			
Any other Components additionally required by the Bidder to be added	Lot	1			

Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties etc. as applicable (In INR) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	5	6	7 = (5+6) * 4
Restoration charges	Lumpsum	1			
Supply and laying ,testing and commissioning of 1 X 24F armoured multitube double sheath single mode OFC (G.652D) with 40mm HDPE Duct using HDD method and maintenance for 5 years after commissioning	KM	36			
Accessories & Miscellaneous items required for the above Solution	Lot	1			
Any other Components additionally required by the Bidder to be added	Lot	1			

#### SMART KIOSK

Line Item	Unit of Measurement	Quantity Proposed	Unit base Price (In INR)	All taxes, levies, duties	Total Price including All taxes, levies,
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					etc. as applicable (In INR) (Per Unit)	duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7 = (5+6) * 4
	SITC of Smart Kiosk	Number	10			
	Smart Kiosk Software Application License with ICCC platform Integration	Lumpsum	1			
	Accessories & Miscellaneous items required for the above Solution	Lot	1			
	Any other Components additionally required by the Bidder to be added	Lot	1			

#### Manpower for Implementation Phase and O&M Phase for 5 Years

S. No	Resource Requirement for Implementation Phase	No. of Resources	Total Man Months Assumed for Implementation Phase(6Months) = A	Man Month Rate (Excl Tax) =I	Total Cost = A*I
1.	Project Manager - 1 no	1	6		
2.	Solution Architect - 1 no	1	6		
3.	ICCC Expert - 1no	1	6		
4.	Network Architect - 1 no	1	6		
5.	Security Infrastructure and CCTV specialist - 1 each	2	6		
6.	GIS Expert - 1 no	1	6		
7.	Data Management Expert - 1 no	1	6		
8.	Business Analyst/Use case/SOP Expert - 1 no	1	6		
9.	Server Storage/ Database Expert - 1 no	1	6		
10	ITMS & ATCS Expert - 1 no	1	6		
11	Electrical Engineer - 1 Person	1	6		

12	Electrical Technician - 2 Person	2	6		
13	OFC Expert - 1 no	1	6		
14	Helpdesk operator (20 no)	20	6		
15	Security staff (4 no)	4	6		
16	Civil Technician - 2 person	2	6		
17	Civil Engineer - 1 no	1	6		
18	Field Engineer - 5 Persons	5	6		
19	Office staff, Reception (3 no)	3	6		

**Training, Certifications and Audit:**

The selected System Integrator would be required to conduct the following Training programmers

S/N	Typical Target Audience	Min Number of Batches			
1	Functional Training (20 Person)	30			
2	Administrative Training (10 Person)	5			
3	Sr. Management Training (10 Person)	5			
4	Security audit	2			
Total Manpower Cost (Excluding Taxes)					

**7.4 Price component for OPEX**

The Bidder may add any additional line item (with adequate details and pricing information) in table below

S.No.	Components	Year 1 (INR)	Year 2 (INR)	Year 3 (INR)	Year 4 (INR)	Year 5 (INR)	Total (INR)
<b>1</b>	<b>Integrated Command &amp; Control Centre (ICCC)</b>						
1.1	ICCC Setup with IT & Non-IT Infrastructure						
1.2	DC and DR Setup						
1.3	ICCC Applications and Software Platforms on DC and DR both						
<b>2</b>	<b>Intelligent Traffic Management System (ITMS) &amp; General Surveillance</b>						
2.1	Adaptive Traffic Control System (ATCS)						
2.2	Traffic Enforcement System (TES)						

2.3	General Surveillance						
2.4	Smart solution components (i.e., PA, ECB and VMD)						
	<b>Other Smart Solutions</b>						
3	Smart poles (CCTV, Wi-Fi, Air Quality Monitoring, 5G ready, LED, VMB, ECB)						
4	Creation of online/mobile based platform to facilitate tourists & visitors						
6	Flood monitoring						
7	SITC of Smart Kiosk						
8	Geographical Information System (GIS)						
9	Optical Fiber Cabling (OFC)						
10	Manpower for O&M Phase						
11	Training, Certifications and Audit						
12	<b>Other Use cases</b>						
12.1	Digital assistant Application with ICCC platform Integration						

**Total OPEX Price in Indian Rupees (in words)- \_\_\_\_\_**

towards the end that may be required to fulfil the RFP and project requirements in totality.

The Authority will decide total Man months/man power required during O&M phase

Bidder is required to quote for the following staff.

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

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><Ph

one

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 recognized 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,

Executive Director,  
RailTel corporation of India Limited,  
1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,  
Begumpet Airport Road,  
Opp. Shoppers Stop, Hyderabad- 500 016.

<Name>

<Designation>

<Address>

<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:

## 10Annexure 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 :

## 11Annexure 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 as "\_\_\_\_") and having office at [Address], as Party of the Second Part and \_\_\_\_\_

(hereinafter referred 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:

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.

- a. Sign Contract in case of award.
- b. Provide and perform the supplies and services which would be ordered by the Authority pursuant to the Contract.

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. Note: All other clauses in the format remain same as per Volume II of RFP.

- v. ----- (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. \_\_\_\_\_

## 12Annexure 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, M/s.\_\_\_\_\_ (name of the firm or company with address of the registered office) hereby constitute, appoint and authorise Mr. or Ms.\_\_\_\_\_ (Name and residential address) who is presently employed with us and holding the position of \_\_\_\_\_, as our Attorney to do in our name and our behalf all or any of the acts, deeds or things necessary or incidental to our RFP for the Project \_\_\_\_\_ (name of the Project), including signing and submission of the RFP response, participating in the meetings, responding to queries, submission of information or documents and generally to represent us in all the dealings with Client or any other Government Agency or any person, in connection with the works until culmination of the process of bidding till the Project Agreement is entered into with \_\_\_\_\_ (Client) 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.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2017

(Signature and Name of authorized signatory)

\_\_\_\_\_

(Signature and Name in block letters of all the remaining partners of the firm Signatory for the Company)

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.*

### **13Annexure 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.\_\_\_\_\_, 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/Joint Venture, all acts, deeds and things as may be necessary in connection with the Consortium's/Joint Venture'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/Joint Venture, as the lead member of the Consortium/Joint Venture, to do on behalf of the Consortium/Joint Venture, all or any of the acts, deeds or things necessary or incidental to the Consortium's/Joint Venture'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 Client 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 Client 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/Joint Venture.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2017

\_\_\_\_\_

(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/Joint Venture.*

*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.*