

**Request for Proposal for Selection of System  
Integrator for Implementation of Command and  
Control Centre Components of  
Hubballi-Dharwad**

**Volume I  
Instructions to Bidders**

**RFP No. HDSCL/ ICC/ 2018-19**

**HUBBALLI DHARWAD SMART CITY LIMITED**

**Important Dates**

<b>S. No.</b>	<b>Activity</b>	<b>Deadline</b>
1	Release of RFP	06.06.2018
2	Last date for seeking clarifications on RFP	19.06.2018
3	Pre-bid Meeting date	20.06.2018
4	Hosting clarifications/amendments to RFP if any	27.06.2018
5	Last date for submission of Bids	06.07.2018
6	Date of opening of Technical bids	09.07.2018
7	Date of opening of Commercial bids	To be notified later

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## **1.1 Background/Objective**

The Ministry of Urban Development, Government of India (GoI) has rolled out Smart city Mission on 25 June, 2015. Hubballi Dharwad was selected among 100 cities to be developed as smart city in India due to various achievements, initiatives and all-inclusive approach. Accordingly Hubballi-Dharwad city had submitted “Smart City Proposal” (SCP) to Ministry of Urban Development, Government of India with required consent of Karnataka government and statutory authority of Hubballi-Dharwad Municipal Corporation. Karnataka Urban Infrastructure Development & Finance Corporation Limited (KUIDFC) is the State Level Nodal Agency (SLNA) for the Smart City Mission in Karnataka.

Hubballi-Dharwad has been selected to be developed into a smart city under the second round of the Smart Cities Mission. The Smart City Proposal of Hubballi-Dharwad includes the smart city solutions which involve the use of technology, information and data to improve infrastructure and services within the city of Hubballi-Dharwad (The Smart Solutions Projects).

Hubballi-Dharwad Smart City Limited (HDSCL) now intends to select a Master System Integrator to design and assist the Client in the Implementation of City Operations Centre (ICCC) in Hubballi-Dharwad.

## **1.2 Need for Present Assignment & Brief Scope of Work**

The HDSCL, has identified certain Smart ICT intervention required to make the city smart. The broad functional & Technical requirements have been identified and has been provided under Volume 2 of the RFP. It is proposed to appoint a Local System Integrator (LSI) to implement /integrate the said ICT interventions, but not limited to:

### **A. Level 1: Integrate and View**

Certain components will be integrated using direct feeds, dashboards and sharing of alerts/actionable inputs for integrate and view operations, such as:

1. City Surveillance System (Police and Traffic)
2. Smart Governance
3. People Empowerment Platform
4. Disaster Management
5. Emergency Management
6. Intelligent Transport Management System
7. Electric SCADA
8. Water SCADA

### **B. Level 2: Integrate Command and Control**

1. Smart Parking & Payment System
2. Smart Poles
3. CCMS for LED Street Lights
4. GIS Based Property Management System
5. Sewerage and Storm Water Drainage System

### **C. Level 3: Implement, Command, Control and Fully Operate**

1. Integrated Command and Control Center (ICCC)
2. Smart IT Solid Waste Management
3. Geographical Information System (GIS)

Apart from the solutions listed above, there are other solutions that are to be implemented by the LSI. These solutions are common components that form part of all other ICT

solutions proposed to be implemented through this RFP. The solutions proposed as common components that are to be implemented by the LSI are the city network infrastructure and Integrated Command and Control Centre.

After implementing / integrating the above said solutions (in 15 Months, Phase I – 9 Months and Phase II- 6 Months), the bidder is expected to operate and maintain the said ICT interventions. The interventions implemented in phase I and phase II will have to be maintained for a period of 5 years from the date of Go-Live of Phase-II.

### **1.3 RFP Format**

The intent of this RFP is to invite bids from the Bidders for implementation of City Operation Centre in Hubballi – Dharwad. The project also includes implementation of Integrated Solid Waste Management System & integration of city applications with Control and Command Centre in Hubballi-Dharwad for HDSCL.

The Request for Proposal (RFP) 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 & commercial 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, timelines and payment schedule.

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

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

**1.4 Fact sheet**

<b>Sl. No.</b>	<b>Item</b>	<b>Description</b>
1	Method of Selection	The Selection of LSI shall be through two stage Least Cost System (LCS) with the 1st Stage consisting of Prequalification and Technical Criteria evaluation. The minimum qualifying marks for 1st stage would be 80 marks out of 100 marks. 2nd stage would be evaluation of Financial Bid and the Bidder with L1 Bid will be selected based on Grand Total Price (Capex Price + Opex Price with NPV) exclusive of applicable taxes.
2	Availability of RFP Documents	<a href="http://www.eproc.karnataka.gov.in">www.eproc.karnataka.gov.in</a>
3	Date of RFP Issuance	06.06.2018
4	Tender Processing Fee (Non-refundable and Not-Exempted)	Please refer e-portal format for details
5	Bid Security/Earnest Money Deposit (EMD)	INR 39,57,000 valid upto 225 days beyond bid due date.
6	Last date and time for Submission of Pre-bid Queries	19.06.2018 at 11:00 hrs
7	Pre-Bid Conference time, date & Venue	20.06.2018 at 11:00 hrs at Meeting hall of Hubballi Dharwad Municipal Corporation.
8	Posting of responses to queries (on website)	<a href="http://www.eproc.karnataka.gov.in">www.eproc.karnataka.gov.in</a>
9	Last Date and time for Bid/Bid submission (On or before)	06.07.2018, 16:00 hrs
10	Date, time for Opening of Technical bids	09.07.2018, 11:00 hrs
11	Bid validity	Bid must remain valid up to <b>180 (One Hundred &amp; Eighty)</b> days from the last date of submission of bid extendable upon request by authority.
12	Currency	Currency in which the bidders may quote the price and will receive payment is in Indian Rupees only.
13	Tender Inviting Authority	Hubballi Dharwad Smart City Limited
14	Name and Address for Correspondence/ Site Visit	Special Officer, Hubballi Dharwad Smart City Limited, HUBballi Contact no.0836-2355331 Email: <a href="mailto:sohdsmartcity@gmail.com">sohdsmartcity@gmail.com</a>



## 1.5 Definitions/Acronyms

Terms	Meaning
BOM	Bill of Material
BEC	Bid Evaluation Committee
CC	Capital Cost
CCTV	Closed Circuit Television
CEO	Chief Executive Officer
DD	Demand Draft
EMD	Earnest Money Deposit
GIS	Geographical Information Systems
GPS	Global Positioning System
HOD	Head of Department
ICT	Information and Communication Technology
INR	Indian Rupees
LoI	Letter of Intent
NPV	Net Present Value
OEM	Original Equipment Manufacture
PBG	Performance Bank Guarantee
PDD	Proposal Due Date
PoC	Proof of Concept
PQ	Pre-Qualification
RFP	Request for Proposal
PV	Present Value
LSI	Local System Integrator
SLA	Service Level Agreement
SOP	Standard Operating Procedures
TQ	Technical Qualification
UAT	User Acceptance Testing
VM	Virtual Machine
TRV	Total Revenue
O&M	Operations & Maintenance
Authority	Hubballi – Dharwad Smart City Limited

## 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 based on 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 [www.eproc.karnataka.gov.in](http://www.eproc.karnataka.gov.in) only, before the time and date specified in the schedule of the tender notice. 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. Bid received through any other mode of communication except through e-procurement portal (email, Print-out, Telex, cable or facsimile offers) shall be rejected.

## 2.2 Eligible Bidders

Bids may be submitted by either of the following categories of Bidders only:

The Bidder shall be either a Single Entity or a Consortium of companies/ corporations as described below.

### a. Sole Bidder

The Sole Bidder must be an entity which has the capabilities to deliver the entire scope as mentioned in the RFP. Under this sole bidding, the Bidder is not allowed to submit another bid through other consortium ways for the same RFP.

### b. Consortium of Firms

Bids can be submitted by a consortium of firms. **A consortium shall not consist of more than three (3) parties (including the Lead Bidder)**. One of the Firms would be designated as a "Lead Bidder". The Lead Bidder shall be responsible for entire delivery of products, solutions, services, service delivery and meeting all the Terms & Conditions of this RFP (Volume 1 to 3). The Lead Bidder shall be responsible for ensuring the successful execution of integrated solution including meeting the SLAs. The list of Consortium Members needs to be declared in the bid which cannot be changed by the bidder later on. Any change in the consortium partner will need to be approved by Authority. The consortium agreement shall be submitted to this effect clear mentioning the scope of each partner on the stamp paper by the successful bidder.

The Sole or Lead Bidder will be responsible for:

- i. Design, supply, installation and commissioning of all products and services submitted in their Bid and as part of the Contract.
- ii. Responsible for the functioning of the proposed solution in totality to meet the Authority requirements outlined in the RFP.
- iii. The management of all Consortium Members who are part of the Bid if any, and

Bids submitted by a consortium should comply with the following requirement also:

- i. The Lead Bidder shall be authorized to incur liabilities and receive instructions for and on behalf of all Consortium Members. Entire execution of the Contract, including payment, shall be done exclusively by/with the Lead Bidder.

Internal arrangement between the Consortium Members is left to the Bidders. It is the responsibility of the Lead Bidder to ensure that the Consortium Members in the bid are compliant to all the clauses as mentioned in the bid, failing which leads to disqualification.

For the purpose of Bid submission of this RFP,

- a. The entity submitting the Bid as a Lead Bidder cannot be a Consortium partner of any other Bidder.
- b. The Consortium partners cannot be Sole Bidder/Lead Bidder with another Bidder in a separate Bid submitted against this RFP. Whereas any of the firm which is not the Lead

Bidder in this RFP can be a partner in any number of bids submitted against this RFP.

- c. The Sole Bidder cannot be a Lead Bidder or Consortium partner of any other Bidder. Consortium members must provide a Memorandum of Understanding (MoU) as per Section 12 Annexure – 9, covering above points and showing their intention to enter into such an Agreement at the time of bidding along with Pre-Qualification Bid.

Bidders including Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project will be given additional weightage

### **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. Include all documentation specified in this RFP, in the Bid;
    - ii. Follow the format of this RFP while developing the Bid and respond to each element in the order as set out in this RFP;
- Comply with all requirements as set out within this RFP;

### **2.4 Information to the Bidders**

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 conditions or the specifications he shall, before the last date for Submission of Pre-Bid Queries, set forth 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 Bidder shall bear all costs associated with the preparation and submission of its Bid, for the purposes of clarification of the Bid, if so desired by the Authority.

### **2.6 Pre-bid meeting & Clarification**

#### **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 only, along with the covering letter specifying 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 1 toe-mail [sohdsmartcity@gmail.com](mailto:sohdsmartcity@gmail.com) only to the authority.

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

Authority will organize a Pre-Bid Conference and will respond to any request for clarification or modification of the bidding documents. Authority shall formally respond to the Pre-Bid Queries after the Pre-Bid Conference. No further clarifications shall be entertained after the due date and time of submission of queries.

Pre-bid meeting will be held on the date and venue indicated in Section 1.4 of the RfP Volume 1.

Authority shall endeavor 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 because of the Pre-Bid Conference, shall be made by Authority exclusively through an Addendum. Any such addendum shall be deemed to be incorporated to 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, after issue of RFP, shall only be available/ hosted on the Karnataka e-Procurement Portal. Any such corrigendum/addendum shall be deemed to be incorporated into this RFP.

## **2.7 Tender Processing Fee**

RFP can be downloaded from the Karnataka e-Procurement Portal (<https://eproc.karnataka.gov.in/eproportal/pages/index.jsp>).

Tender Processing Fee shall be paid online through e-Procurement portal. The Tender Processing Fee shall be non-refundable.

Without the payment of Tender Processing Fee, the Bids will be taken as incomplete and non-responsive and Bid will be rejected by e-portal.

## **2.8 Earnest Money Deposit (EMD)**

The Bidder shall pay the Earnest Money Deposit (EMD) of Rs 39,57,000 (Rupees Thirty nine Lakhs Fifty Seven Thousand only) in the e-Procurement portal using any of the following payment mode, as per the procedure prescribed in the e-Procurement portal:

1. Credit Card
2. Direct Debit / Net Banking
3. National Electronic Fund Transfer (NEFT)
4. Over the Counter (OTC) Payment.

The Bidder shall furnish the requisite EMD only through e-Procurement portal and proof of the same shall upload in the e-portal along with the Technical Bid documents.

The Bidder's bid will be evaluated only on confirmation of receipt of the payment (EMD) through the e-Procurement portal.

EMD amount will have to be submitted by the Bidder in a single transaction.

For Unsuccessful Bidders: The Bid Security of all Unsuccessful Bidders would be returned without interest, after submission of Performance Bank Guarantee / Additional bank guarantee 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 / additional bank guarantee by the Successful Bidder.

In case, Bid is submitted without the Bid Security then the Bid shall be treated as Non-Responsive and Bid shall be rejected.

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

- a. If the Bidder withdraws its Bid during the period of Bid Validity.

In case of a Successful Bidder, if the Bidder fails to submit the Performance Bank Guarantee and/or sign the Contract in accordance with this RFP.

## **2.9 Bid Validity Period**

Bid shall remain valid for the time period of 180 days from the last date of submission of the Bids, extendable upon request by Authority. On completion of the Validity Period, unless the Bidder withdraws his Bid in writing, it will be deemed to be valid until such time that the Bidder formally (in writing) withdraws his Bid.

## 2.10 Contents of Bid

The two cover system shall be followed. Pre –Qualification (PQ), Technical and Commercial Offers shall be uploaded separately through the e - Procurement portal.

Document Set	Name of the Document	Content
<b>One</b>	Pre- Qualification Bid	a. Earnest Money Deposit (EMD) b. Pre-Qualification bid as per Section 6: Formats for submission of the Pre- Qualification Bid along with the required supporting documents. c. No deviation certificate as per Section 6.5 d. Total Responsibility declaration as per Section 6.6 e. Any other documents / certificates as mentioned in the annexure and Section 6.
<b>Two</b>	Technical Bid	a. Technical Bid as per Section 7 : Formats for submission of the Technical Bid along with the required supporting documents b. Response to Functional Requirement Specification (FRS) and Technical Requirement Specifications (TRS) c. Proof of Concept and Presentation to the Authority / Committee appointed by the Authority
<b>Three</b>	Commercial Bid	As per e-procurement portal.

- a. The prequalification and Technical Proposal ***shall not include any financial proposal.*** Bid will be treated Technically Non Responsive if technical proposal includes any Financial Proposal details.
- b. Bid cannot be uploaded on e-portal after due date for submission of bid.
- c. Authority will not accept delivery of bid by fax, e-mail or in-person or in any other mode

## 2.11 Bid Formats

Bidder shall prepare compliance documents against each of the serial numbers of the Pre-Qualification Bid format given below in pdf format as per the nomenclature given in the column “Doc Ref” and these PDF documents shall be uploaded in the e-procurement portal as part of Pre-Qualification Bid.

**2.11.1 Pre-Qualification BidFormat**

<b>Section #</b>	<b>Section Heading</b>	<b>Details</b>	<b>Doc Ref</b>
<b>1.</b>	Pre-qualification checklist	As per format provided in Annexure 2 section 6.1	QP-1
<b>2.</b>	Pre-Qualification Bid Covering Letter	As per format provided in Annexure 2 section 6.2	QP-2
<b>3.</b>	Consortium Agreement	As per format provided in Annexure 7 of this Volume section 12	QP-3
<b>4.</b>	Company Profile (about the Sole Bidder / Lead Bidder & Consortium Members)	As per format provided in Annexure 2 section 6.3	QP-4
<b>5.</b>	Power of Attorney	Documentary evidence as per format provided in Annexure 10 and 11	QP-5
<b>6.</b>	Project Experience	Citation details of projects as per format in Section 7.4 and 6.7 as applicable.	QP-6
<b>7.</b>	No Deviation Certificate	As per format provided in Annexure 2 section 6.5	QP-7
<b>8.</b>	Total responsibility certificate	As per format in Annexure 2 Section 6.6	QP-8

**2.11.2 Technical Bid Format**

Bidder shall prepare compliance documents against each of the serial numbers of the Technical Bid format given below in pdf format as per the nomenclature given in the column "DocRef" and these pdf documents shall be uploaded in the e-procurement portal as part of Technical Bid.

<b>Section #</b>	<b>Section Heading</b>	<b>Details</b>	<b>Doc Ref</b>
<b>1.</b>	Technical Bid Checklist	As per format provided in Annexure 3 section 7.1	TB-1
<b>2.</b>	Technical Bid covering letter	As per format provided in Annexure 3 section 7.2	TB-2
<b>3.</b>	Compliance to Requirement (Technical/Functional Specifications)	As per format in Section 7.8	TB-3
<b>4.</b>	Proposed Bill of Materials	As per format in Section 7.9	TB-4

<b>Section #</b>	<b>Section Heading</b>	<b>Details</b>	<b>Doc Ref</b>
<b>5.</b>	Project/ Credential Summary	As per format provided in Annexure 3 section 7.3	TB-5
<b>6.</b>	Bidder's Experience	Project citation as per format provided in Annexure 3 section 7.4 and supporting documentary evidences and Self-certifications as per format in Annexure 2 section 6.7 as applicable	TB-6
<b>7.</b>	Project Plan and Resources	<ul style="list-style-type: none"> <li>• Project plan as per format provided in section 7.5.2</li> <li>• Manpower plan as per format provided in section 7.5.3 I &amp; II</li> <li>• Summary of resources as per format provided in section 7.6.1</li> <li>• CV of resources as per format provided in section 7.7</li> </ul>	TB-7
<b>8.</b>	Manufacturers'/Producers' Authorization Form	As per format provided in section 7.10	TB-8
<b>9.</b>	Anti – Collusion Certificate	As per format provided in section 7.11	TB-9
<b>10.</b>	Non – disclosure Agreement	As per format provided in Section 11 Annexure 8	TB-10
<b>11.</b>	Details of additional components mentioned as others in the BoQ	As per format specified in Section 7.12	TB-11
<b>12.</b>	Tax Form	As per the format specified in the Section 7.13	TB-12

### **2.11.3 Commercial Bid Format**

The Bidder must submit the Commercial Bid as per the e-procurement portal.

### **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 shall be provided (duly attested by the authorized entity) by the Bidders. For purposes of interpretation of the documents, the English translation shall govern.

### **2.13 Authentication of 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 or in any other form demonstrating that the representative has been

duly authorized to sign. (Enclose Annexure 13 or 14 as applicable)

#### **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 addendum /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 e-Procurement Portal 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 the e-ProcurementPortal.

#### **2.15 Bid Price**

Bidders shall quote for the entire scope of contract on an “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 for line item rates shall remain firm during the entire contract period and not subject to price variation on any account.

In the e-procurement portal, the bidder shall enter the unit price of the line item, exclusive of all taxes. However, for Authority’s understanding, the bidder shall give the required details of the tax component as per Section 7.13, considered for each line item / additional line items in Section 7.12. Tax percentages shall not be considered for financial evaluation.

Commercial bids shall be submitted as per the e-procurement portal.

#### **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-ProcurementPortal.

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

Authority shall not be responsible for any non-receipt/non-delivery of the documents due to technical snag whatsoever at Bidder’s end. No further correspondence on the subject will be entertained.

Authority reserves the right to modify and amend any of the above-stipulated condition/criterion.

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

Authority reserves the right to 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:

If it does not comply with the requirements of this RFP.

If a bid does not follow the format requested in this RFP or does not appear to address the 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 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 overwriting. All erasures, correction or addition must be clearly written both in words and figures and attested.

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

### **2.22 Confidentiality**

All the material /information shared with the Bidder during 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) as per the format mentioned in Section 11 Annexure 8.

### **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. Deleted
- 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. Commercial 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 / same consortium submits multiple bids or if common interests are found in two or more Bidders with reference to Section 2.2 (b), the bidders are likely to be disqualified, unless additional bids/bidders are withdrawn upon notice immediately.
- i. Bids without EMD will be disqualified.

### **2.24 Key Personnel**

Authority has identified certain key positions, which are minimum in requirement and minimum qualifications for each of the positions that should be part of project team of the bidder (hereby referred to as "Key Personnel Criteria"). Details of these key positions are provided in **Section 3.4.3**.

#### **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 carryout an evaluation of the performance of each member of the Key Personnel in connection with the Services 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 titled 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 ensure that key personnel role is not vacant at any point in time during the contract period.

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; 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 4 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, 15 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.

- c. For any replacement of key personnel penalty will be levied as given in Volume III Section 12.5.

## **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) same 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 interest’s 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 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.
- c. Government of Karnataka (GoK) expects Bidders to provide professional, objective, and impartial advice and at all times hold the Client’s interests paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests. Bidders shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients, or that may place them in a position of not being able to carry out the assignment in the best interest of the Client.
- d. Bidders or any of their affiliates / key personnel shall not be hired for any assignment which, by its nature, may be in conflict with another assignment of the bidder.

## **2.27 Sub-Contracting**

Sub-contracting shall be allowed only to non-IT infrastructure works. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the Lead Bidder or sole bidder. The lead bidder or sole 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.

- a. All Site Preparation and Civil Work Related to CCC including Cabling and Fixture work

However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the Lead Bidder or Sole Bidder. The Lead Bidder or Sole 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.

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

## **2.28 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 “related services” includes

services such as insurance, transportation, supply, installation, integration, and testing, commissioning, training, and initial maintenance.

- b. The Bidder shall quote 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 OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 5 years as on the date of release of the RFP.
- d. All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFP.
- e. The OEM for all active components should give a declaration that products or technology quoted/proposed shall not reach end-of- sale, end-of-life for a minimum of 5 Years from the date of Last Date of Bid Submission and end of support for minimum of 5 years from the date of Go-Live.
- f. Bidder must quote products in accordance with above clause “Eligible goods and related services”.
- j. The Bidder’s proposed OEM should not have been blacklisted by any State / Central Government Department or Central /State PSUs as on bid submission date.
- k. Each of the proposed OEMs should either have existing capability and infrastructure to provide 24x7 technical support in India across the year, or should provide an undertaking that they would establish the requisite infrastructure and capability to provide 24x7 technical support in India across the year, on emerging a winner in this bidding process.

Adequate supporting documents pertaining to the above points, along with a summary compliance table, should be submitted in the technical proposal by the Bidder.

## **2.29 Right to vary quantity**

- a. At the time of award of contract and post award of work, the quantity of goods, works or services originally specified in the bidding documents may be increased to max 25% of the present quantity. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents. In the event, either the goods, works or services for which variation is sought for, then the same shall be done through Change Request Note (CRN). The CRN will be evaluated by a Third Party Committee formed by the Authority and the decision of the Committee will be final on the scope and rate. In case of decrease in quantity, it will be limited to max of 25% reduction of contract value only.
- 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, 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, 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.

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

- a. A Bidder may withdraw its Bid or re-submit its 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.

### **2.31 Site Visit**

- a. The Bidder may wish to visit the site 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.
- b. The Authority will arrange for the Bidder and any of its personnel or agents to gain access to the relevant site or sites, provided that the Bidder gives the Authority adequate notice of a proposed visit of at least seven (7) days. Failure of a Bidder to make a site visit will not be a cause for its disqualification.
- c. No Site visits shall be arranged or scheduled after the deadline for the submission of the bids and prior of the award of Contract.

## **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 should be advised to carry the identity card or a letter of authority from the bidder firms to identify that they are bonafide representatives of the Bidder firm, for attending the opening of Bid.

There will be two (2) bid-opening events.

- a) STAGE1(Pre-QualificationBid and Technical Bid)
- b) STAGE 2 (Commercialbid)

The venue, date and time for opening the Pre-qualification & Technical Bid are mentioned in the Fact sheet.

The Technical Bids will be evaluated only for those bidders who meet the Pre-qualification criteria.

The Commercial Bids will be opened only for those Bidders who are declared as technically qualified.

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

### **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:

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

- Earnest Money Deposit (EMD) of Rs 39,57,000 (Rupees Thirty Nine Lakhs Fifty Seven Thousand only) not submitted through the e-Procurement portal
- If the Bidder gives wrong information in the Bid.
- Canvassing in any form in connection with the Bid.
- Bids submitted after due date and time.
- Bids submitted by Telex/Telegram/Fax/e-mail.
- Erasure and/or over writing is/are Not permissible
- 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. Clarifications shall be obtained only in pre-historic information like Bidders credentials.

### **3.4 Evaluation Process**

Authority shall constitute a Committee to evaluate the responses of the Bidders. The 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 Authority in the evaluation of Bids shall be final and binding on all the Bidders. No correspondence will be entertained outside the process of evaluation with the Authority. The Authority may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their Bids.

The Authority 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 (A): Pre-Qualification**

- a. Authority shall validate the Set 1 “Tender Processing Fee & 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 Criteria mentioned in Section 3.5 is MANDATORY. In case, the Bids does not meet any one of the conditions, the bids shall be treated as non-responsive and will not be considered for further evaluation.
- c. Bids of only those Bidders who meets the Pre-Qualification criteria, shall be considered for further evaluation i.e Stage-1 (B):Technical Evaluation.

#### **3.4.2 Stage 1 (B): Technical Evaluation**

- a. “TechnicalBids” will be evaluated only for the Bidders who have succeeded in Stage 1 (A).
- b. The Committee appointed by the Authority will review the Technical Bids to determine whether the Technical Bids are responsive. Bids that are not 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.
- d. The Bidders shall make the presentation to the Authority / Committee appointed by the Authority to supplement their Bids which include the following

- Approach & Methodology including Project Experience
- Proposed Solutions
- Manpower – Technical Resources
- Proof of Concept of proposed solution

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.

The Authority will notify the date and venue for conducting such proof of concept / technical demonstration to the prospective bidders.

Each Technical Bid will be assigned a technical score out of a maximum of 100 Points.

Only those bids who get an Overall Technical score of 80 or more of the Technical Evaluation Framework as given in Section 3.6 shall be considered technically qualified. Bids which scores less than 80 points, shall be treated as Technically Disqualified bids and their commercial bids will not be opened.

### 3.4.3 Stage 2: Commercial Evaluation

- a. All the technically qualified bidders will be notified to participate in the Commercial Bid opening process.
- b. The commercial bids of only those bidders which have qualified in Stage-1(A) & Stage -1 (B) shall then be opened on the notified date and time and reviewed to determine whether the commercial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- c. Bid prices are to be provided as per the format provided in the e-procurement portal.
- d. Since the payments to the SI shall be made over several years, the Net Present Value (NPV) method will be used for evaluation of the Commercial bids, so as to bring all bidders to a common denomination for determination of lowest bidder. The Bidder shall quote their O&M rates as per their own assessment. However, the Authority will calculate the NPV of the quoted amount as per the formula below for the purpose of evaluation. The Net Present Value of a contract is equal to the sum of the present values of all the cash flows associated with it. The formula for calculating NPV of a Commercial bid is illustrated below:  

$$P = C + [(O1) / (1+r)] + [(O2) / (1+r)^2] + [(O3) / (1+r)^3] + [(O4) / (1+r)^4] + [(O5) / (1+r)^5]$$
 Where: P= Final Price  
 C = Total Capex Price, O1 = Opex Price for Year 1  
 O2 = Opex Price for Year 2, O3 = Opex Price for Year 3,  
 O4 = Opex Price for Year 4, O5 = Opex Price for Year 5  
 R = Rate of Interest / Discounting Rate at **10%**
- e. Bidder shall provide breakup of all Taxes (in percentage) considered by him, as per the Section 7.13. However, the Authority shall consider Grand Total Price (Capex Price + Opex Price with NPV) exclusive of applicable taxes, for evaluation purpose and arriving at L1 price. In case of tie in prices, the Bidder who has scored highest technical score among the ties shall be considered as L1.
- f. The Bid quoted by the L1 Bidder will be considered for awarding the contract.



**3.5 Pre-Qualification Criteria as per Stage 1 (A)**

No	Pre-Qualification Criteria	Documentary Evidence
1	<p>The Sole Bidder or the Lead Bidder of Consortium must be registered company in India and should be in the business &amp; have been operational at least for last 5 years as on date of bid submission.</p>	<ul style="list-style-type: none"> <li>• Copy of Certificate of Incorporation / Registration under companies Act, 1956/2013 and its subsequent amendments.</li> <li>• Memorandum and Articles of Association</li> <li>• GST registration certificate</li> <li>• Copy of purchase orders showing at least 5 years of operations OR Certified true copy of relevant extracts of balance sheet and PL statements for last 5 years.</li> </ul> <p><b>For Consortium members</b></p> <ul style="list-style-type: none"> <li>• GST registration certificate</li> <li>• PAN</li> <li>• Consortium agreement/MoU clearly stating the roles and responsibilities and scope of works of each member/partner company.</li> </ul>
2	<p>The Sole Bidder/consortium should have an average annual turnover of INR 80 Crore from the operations which includes at least any one activities from the list “IT systems/IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/city surveillance/ ICT based utility management/Transport management/command &amp; control center implementation/ Network operating center (NOC)” in over last 3 audited financial years from the date of NIT</p> <p>In case of a consortium, the Lead Bidder should have average annual turnover of at least 50% of the total turnover. The combined average annual turnover of the Lead Bidder and Consortium company/companies shall be minimum of Rs80 Crores.</p>	<p>Audited statement for last 3 financial years of the sole bidder.</p> <p>Audited statement for last 3 financial years of lead bidder and its member companies.</p> <p>Certificate from the Chartered Accountant/ statutory auditor/ Company Secretary clearly specifying the annual turnover from the operations which includes at least any one activities from “IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command &amp; control center implementation/ Network operating center (NOC)” for the specified years.</p> <p>(Applicable to sole bidder or lead bidder)</p> <p>Certificate from the Chartered Accountant/ statutory auditor/ Company Secretary clearly specifying the annual turnover from the operations which includes at least one activity from “IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command &amp; control center implementation/ Network operating center</p>

<b>No</b>	<b>Pre-Qualification Criteria</b>	<b>Documentary Evidence</b>
		(NOC)" for the specified years. (Applicable to consortium member companies)
3	The sole bidder or lead bidder of the consortium should have a positive net worth for the previous 3 financial years from the date of NIT	Audited and certified Balance Sheet and Profit/Loss Account of the previous 3 financial year Certificate from the statutory auditor/ Company secretary clearly specifying the Net worth of the firm for the specified year to be provided.
4	As on date of the submission of the proposal, the sole bidder or the consortium should not be black listed or debarred by Central/State governments/PSU in India	Undertaking from the authorized signatory of the bidder (in case of Consortium, to be provided by each member) as per the format in Section 6.4
5	The Sole Bidder or lead bidder of the consortium should possess following certifications. a) ISO 9001:2000 b) ISO 27001 and The Sole Bidder or any member of the consortium in case of the Consortium should possess following certifications a) CMM level 3 Certifications. b) ISO 20000	Copies of the relevant certifications.

<b>No</b>	<b>Pre-Qualification Criteria</b>	<b>Documentary Evidence</b>
6	<p>The Sole Bidder or the Consortium should have experience in executing at least 2 nos. of ICT projects which includes any of the following areas during last 5 years as on bid submission date: Value of each project should be minimum of Rs. 5 Crore</p> <ol style="list-style-type: none"> <li>1. Smart Transport</li> <li>2. ICT based SWM</li> <li>3. Variable messaging system/public address system.</li> <li>4. E-Governance applications</li> <li>5. Smart utilities like water/UGD</li> <li>6. Smart parking/smart lighting</li> <li>7. Surveillance</li> <li>8. Emergency Response system</li> </ol> <p>Other applications as per City requirement.</p>	<p>Copies of work order, Client certificate indicating satisfactory completion of the Project and other relevant documents.</p> <p>Note:</p> <ol style="list-style-type: none"> <li>1. The date of work order should be at least 6 months before the date of release of this RFP.</li> <li>2. In case of ongoing projects, the project must have achieved 80% of the capex completion from financial &amp; physical perspective.</li> <li>3. In case the experience shown is that of bidder's parent/subsidiary/sisters concern company, then the following additional documents are required <ol style="list-style-type: none"> <li>a. Letter from Company Secretary of the bidder certifying that the entity whose experience shown is parent/subsidiary/sister concern company</li> <li>b. Share holding pattern of the bidding entity as per audit report</li> </ol> </li> </ol>

No	Pre-Qualification Criteria	Documentary Evidence
7	The Sole bidder or the Consortium must have on its pay roll a team of 10 or more technically qualified professionals.	Self Certification from the bidder for the number of technically qualified professionals employed in the company with their qualification and skillset.  (Applicable to sole bidder or lead bidder of consortium or its member company)

**Notes:**

1. For international projects, if the original client certificate and other documents are in language other than English, then a translated copy duly certified by authorized entity.
2. For projects where fee has been received in any currency other than Indian Rupees, then the foreign currency conversion rate available on Reserve Bank of India's portal as on the date of publication of the tender document shall be used for conversion of amount in foreign currency to Indian Rupees equivalent.
3. Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company or subsidiary company or Sister Concern only.
  - a. A 'holding company', in relation to one or more other companies, means a company of which such companies are subsidiary companies; and
  - b. A 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own
  - c. A 'sister concern' in relation to Bidder Company, means a company whose holding company is same as bidder's holding company and holding company (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own.
4. In case where the bidder is dependent upon the technical experience of the subsidiary company or the parent company or the sister concern, with a view to ensure commitment and involvement of the parent/ subsidiary/sister company for successful execution of the contract, the participating bidder should enclose (i) an Agreement (as per format enclosed at Section 15 Annexure 12 of this Volume) between the bidder and its parent / subsidiary/Sister concern company for fulfilling the obligation and deployment of expert during implementation phase for the Track/Component for which the experience is being used and (ii) Guarantee (as per format enclosed at Section 16 Annexure 13 of this Volume) from the parent/ subsidiary/sister concern company in favor of the Authority.

**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 No.	Evaluation Criteria	Total Points
A.	Bidders Experience and Organization strength	20
B.	Project Experience	30
C.	Approach&Methodology&Solutionsproposed and Proof of concept	30

Section No.	Evaluation Criteria	Total Points
D	Proposed resources	20
<b>Overall Technical Score</b>		<b>100</b>

- **Important:** Bidder who scores, the following, will be qualified in the technical evaluation stage and be eligible for commercial evaluation stage.
  - Minimum of 80 Points of the overall total technical score
  - Minimum 50% of the maximum allotted marks in each section as given in the table above

**Note:**

- Authority, as part of due diligence 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.
- Bidder to submit work order and end client work in-progress/CA Certificate (minimum 40% Project completion) / completion certificate as a supporting documents for each Project.
- Project citations of only up to one level of sub-contracting will be considered for evaluation.

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

### 3.6.1 Technical Bid Criteria & Evaluation

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Supporting documents required								
<i>A. Bidders Experience &amp; Organization Strength – 20 Marks</i>												
A1	The Bidder (or any consortium member) should have demonstrable expertise and experience in executing large ICT projects during last Five years from the date of NIT	<p>The bidder (or any consortium member) should have experience in executing at least one large ICT Project during last 5 years as on bid submission date: Value of the project should be minimum of INR 20 Crore</p> <table border="1"> <thead> <tr> <th>Cost of the Project</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>More than INR 40Crore</td> <td>95</td> </tr> <tr> <td>INR 30Crore to 40 Crore</td> <td>80</td> </tr> <tr> <td>INR 20 Crore to 30 Crore</td> <td>70</td> </tr> </tbody> </table> <p>Additional 5 percentage of mark for projects executed in Govt Sector/PSU.</p>	Cost of the Project	Percentage	More than INR 40Crore	95	INR 30Crore to 40 Crore	80	INR 20 Crore to 30 Crore	70	6	<i>Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.</i>
Cost of the Project	Percentage											
More than INR 40Crore	95											
INR 30Crore to 40 Crore	80											
INR 20 Crore to 30 Crore	70											

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Supporting documents required										
A2	Company Profile: Bidder should have an average annual turnover of at least INR 80 crore in any of the 3 financial years (FY 2014-15, 2015-16, 2016-17)	<p>Annual turnover from IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command &amp; control center implementation/ Network operating center (NOC)</p> <p>In case of consortium, aggregated turnover of the consortium may be considered with 50% (minimum) of the lead bidder</p> <table border="1"> <thead> <tr> <th>Turnover</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>&gt;80 crores to &lt;= 120 crores</td> <td>50</td> </tr> <tr> <td>&gt;120 crores to &lt;= 160 crores</td> <td>70</td> </tr> <tr> <td>&gt;160 crores</td> <td>100</td> </tr> </tbody> </table>	Turnover	Percentage	>80 crores to <= 120 crores	50	>120 crores to <= 160 crores	70	>160 crores	100	5	<p>Audited statement for last 3 financial years of the sole bidder.</p> <p>Audited statement for last 3 financial years of lead bidder &amp; its member companies</p>		
Turnover	Percentage													
>80 crores to <= 120 crores	50													
>120 crores to <= 160 crores	70													
>160 crores	100													
A3	People in organization (Full time Employees – FTE in ICT projects)	<table border="1"> <thead> <tr> <th>Number of FTE</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>&gt; 500 FTE</td> <td>100</td> </tr> <tr> <td>&gt; 400 FTE to =&lt; 500 FTE</td> <td>90</td> </tr> <tr> <td>&gt; 300 FTE to =&lt; 400 FTE</td> <td>80</td> </tr> <tr> <td>=&lt; 300 FTE</td> <td>70</td> </tr> </tbody> </table>	Number of FTE	Percentage	> 500 FTE	100	> 400 FTE to =< 500 FTE	90	> 300 FTE to =< 400 FTE	80	=< 300 FTE	70	2	Submission of HR certificate stating the same
Number of FTE	Percentage													
> 500 FTE	100													
> 400 FTE to =< 500 FTE	90													
> 300 FTE to =< 400 FTE	80													
=< 300 FTE	70													
A4	The sole bidder or any member in a case of consortium, should possess CMMi level certification	<ul style="list-style-type: none"> <li> <table border="1"> <thead> <tr> <th>Profile</th> <th>Marks Allotted</th> </tr> </thead> <tbody> <tr> <td>CMMi Level 5</td> <td>3</td> </tr> <tr> <td>CMMi Level 3</td> <td>1</td> </tr> </tbody> </table> </li> </ul> <p>Copies of valid certificates in the name of sole bidder or the lead bidder in case of consortium</p>	Profile	Marks Allotted	CMMi Level 5	3	CMMi Level 3	1	3	Valid certificates				
Profile	Marks Allotted													
CMMi Level 5	3													
CMMi Level 3	1													
A5	The sole bidder or the lead bidder in a case of consortium, should possess ISO certification	<ul style="list-style-type: none"> <li>ISO 20000:2011 for IT Service Management or equivalent certification – 1 Marks</li> <li>ISO 27001:2013 for Information Security Management System or equivalent certification – 1 Marks</li> </ul>	2	Copies of valid certificates in the name of sole bidder or the lead bidder in case of consortium										
A6	If Lead bidder/ anyone of the member in the consortium is MSME	<table border="1"> <thead> <tr> <th>Criteria</th> <th>Marks Allotted</th> </tr> </thead> <tbody> <tr> <td>MSME certification</td> <td>2</td> </tr> </tbody> </table>	Criteria	Marks Allotted	MSME certification	2	2	Certification of MSME Ministry, GoI						
Criteria	Marks Allotted													
MSME certification	2													
<b>B. Project Experience of Bidder – 30 Marks</b>														

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Supporting documents required										
B1	Design, Build and Maintenance of Command and control Centre	<p>The bidder should have demonstrable expertise and experience of setting up or O&amp;M of ICCC room/ data Centre/ Integrated city operation platform/ Emergency response Centre/ Security and Surveillance Control Room/ City Wide (NOC/SOC)/ Surveillance Control Room built for Highways, Railways, Airports, Campus, Private Firms and other government establishments etc. during last seven years (as on date of submission of bid) of minimum value of <u>5 crore each</u></p> <table border="1"> <thead> <tr> <th>Number of citations</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>= 3 or &gt;3</td> <td>100</td> </tr> <tr> <td>= 2</td> <td>75</td> </tr> <tr> <td>= 1</td> <td>50</td> </tr> </tbody> </table>	Number of citations	Percentage	= 3 or >3	100	= 2	75	= 1	50	5	<i>Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.</i>		
Number of citations	Percentage													
= 3 or >3	100													
= 2	75													
= 1	50													
B2	Implementation or Integration of ICT Applications	<ul style="list-style-type: none"> <li>The bidder should have demonstrable expertise and experience in implementation or integration of any 4 of the following smart features with the centralized system in the last 5 years <ol style="list-style-type: none"> <li>GIS</li> <li>Parking System</li> <li>Intelligent Bus Transport System</li> <li>Fibre NOC</li> <li>CCTV Camera</li> <li>Traffic Signalization/ ANPR</li> <li>Smart Lighting</li> <li>ICT enabled Solid Waste management</li> </ol> </li> <li>Each such project is considered as one unit</li> </ul> <table border="1"> <thead> <tr> <th>Number of units</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>75</td> </tr> <tr> <td>= 2</td> <td>50</td> </tr> <tr> <td>1</td> <td>25</td> </tr> </tbody> </table>	Number of units	Percentage	= 4 or >4	100	= 3	75	= 2	50	1	25	10	<i>Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.</i>
Number of units	Percentage													
= 4 or >4	100													
= 3	75													
= 2	50													
1	25													
B3	ICT based Solid Waste Management	<ul style="list-style-type: none"> <li>The bidder should have experience in executing ICT based Solid Waste Management projects in last 5 years (as on NIT)</li> <li>Points are allocated based on number of Projects executed</li> </ul> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>&gt;= 3</td> <td>100</td> </tr> <tr> <td>= 2</td> <td>75</td> </tr> <tr> <td>= 1</td> <td>50</td> </tr> </tbody> </table>	Number of Projects	Percentage	>= 3	100	= 2	75	= 1	50	5	<i>Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.</i>		
Number of Projects	Percentage													
>= 3	100													
= 2	75													
= 1	50													

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Supporting documents required										
B4	Intelligent Traffic Management	<ul style="list-style-type: none"> <li>The bidder should have experience in executing Traffic Management (Signalization and/or ANPR) projects in last 5 years (as on NIT)</li> <li>Points are allocated based on number of units executed</li> </ul> <table border="1"> <thead> <tr> <th>Number of Units</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>= 3 or &gt;3</td> <td>100</td> </tr> <tr> <td>= 2</td> <td>75</td> </tr> <tr> <td>= 1</td> <td>50</td> </tr> </tbody> </table>	Number of Units	Percentage	= 3 or >3	100	= 2	75	= 1	50	5	Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.		
Number of Units	Percentage													
= 3 or >3	100													
= 2	75													
= 1	50													
B5	Smart parking	<ul style="list-style-type: none"> <li>The bidder should have experience in executing Smart parking projects in last 5 years (as on date of submission of bid).</li> <li>Points are allocated based on number of units executed</li> </ul> <table border="1"> <thead> <tr> <th>Number of units</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>= 3 or &gt;3</td> <td>100</td> </tr> <tr> <td>= 2</td> <td>75</td> </tr> <tr> <td>= 1</td> <td>50</td> </tr> </tbody> </table>	Number of units	Percentage	= 3 or >3	100	= 2	75	= 1	50	3	Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.		
Number of units	Percentage													
= 3 or >3	100													
= 2	75													
= 1	50													
B6	Smart Water metering	<ul style="list-style-type: none"> <li>The bidder should have experience in executing Smart Water metering projects in last 5 years (as on NIT)</li> <li>Points are allocated based on number of Projects executed</li> </ul> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>&gt;= 3</td> <td>100</td> </tr> <tr> <td>= 2</td> <td>75</td> </tr> <tr> <td>= 1</td> <td>50</td> </tr> </tbody> </table>	Number of Projects	Percentage	>= 3	100	= 2	75	= 1	50	2	Copies of Work orders, contract agreements, Client Certificate, Certificate from CA indicating satisfactory completion of the project.		
Number of Projects	Percentage													
>= 3	100													
= 2	75													
= 1	50													
<b>C. Approach &amp; Methodology &amp; Project Presentation/Demonstration– 30 Marks</b>														
C1	Approach & Methodology	<ul style="list-style-type: none"> <li>Following parameters will be evaluated:</li> </ul> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Understanding of the project and conformity to Volume 2 functional requirement.</td> <td>10</td> </tr> <tr> <td>Detailed architecture plan encompassing all ICT elements proposed in volume 2</td> <td>20</td> </tr> <tr> <td>Completeness of project plan and ease of implementation (including training and change management plan)</td> <td>10</td> </tr> <tr> <td>Method of integration proposed with other IT initiative</td> <td>15</td> </tr> </tbody> </table>	Parameter	Percentage	Understanding of the project and conformity to Volume 2 functional requirement.	10	Detailed architecture plan encompassing all ICT elements proposed in volume 2	20	Completeness of project plan and ease of implementation (including training and change management plan)	10	Method of integration proposed with other IT initiative	15	10	
Parameter	Percentage													
Understanding of the project and conformity to Volume 2 functional requirement.	10													
Detailed architecture plan encompassing all ICT elements proposed in volume 2	20													
Completeness of project plan and ease of implementation (including training and change management plan)	10													
Method of integration proposed with other IT initiative	15													



#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Supporting documents required																		
		<table border="1"> <tr> <td>Identification of major risks for the projects and also propose suitable mitigation plan for each of these risks</td> <td>10</td> </tr> <tr> <td>Strategy to maintain all the SLAs and handling change requests</td> <td>10</td> </tr> <tr> <td>Detailed Business Plan highlighting Revenue Streams for relevant smart elements</td> <td>10</td> </tr> <tr> <td>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)</td> <td>15</td> </tr> </table>	Identification of major risks for the projects and also propose suitable mitigation plan for each of these risks	10	Strategy to maintain all the SLAs and handling change requests	10	Detailed Business Plan highlighting Revenue Streams for relevant smart elements	10	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)	15												
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C2	Technical Demonstration / Proof of concept	Successful Demonstration/Proof of Concept: - Bidder need to demonstrate minimum 3 use cases like CCTV/ Surveillance/ Smart Parking/Smart Lighting/Environmental sensor/Smart Transport/SWM / Smart Utilities / Crowd monitoring etc. along with SMS, Email, GIS. in live environment.	15																			
C3	Presentation	The Bidder will need to exhibit proposed architecture, functional and non-functional requirements through presentation	5																			
<b>D. Proposed Resources for the Project – 20 Marks</b>																						
D1	People on project	<p>Each of the following profiles suggested by the bidder will be evaluated:</p> <table border="1"> <thead> <tr> <th>Profile</th> <th>Marks Allotted</th> </tr> </thead> <tbody> <tr> <td>Project Manager</td> <td>4</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Functional Experts</b></td> </tr> <tr> <td>Integrated Command and Control Centre Expert</td> <td>4</td> </tr> <tr> <td>Solid Waste Management Expert</td> <td>2</td> </tr> <tr> <td>Security/ Surveillance /IoT Expert</td> <td>4</td> </tr> <tr> <td>GIS Expert</td> <td>2</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Technical Experts</b></td> </tr> <tr> <td>Solution/ Lead Architect</td> <td>4</td> </tr> </tbody> </table>	Profile	Marks Allotted	Project Manager	4	<b>Functional Experts</b>		Integrated Command and Control Centre Expert	4	Solid Waste Management Expert	2	Security/ Surveillance /IoT Expert	4	GIS Expert	2	<b>Technical Experts</b>		Solution/ Lead Architect	4	20	
Profile	Marks Allotted																					
Project Manager	4																					
<b>Functional Experts</b>																						
Integrated Command and Control Centre Expert	4																					
Solid Waste Management Expert	2																					
Security/ Surveillance /IoT Expert	4																					
GIS Expert	2																					
<b>Technical Experts</b>																						
Solution/ Lead Architect	4																					

### 3.6.2 Key Personnel Criteria

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

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

Following table indicates the minimum qualification required for Key Positions identified for this project. However, LSI shall independently estimate the team size and the necessary experts required to meet the requirements of Service Levels during implementation and O&M phase (2 Years) as specified as part of this tender. Except for Project Director, all other proposed positions shall be Onsite throughout the entire project implementation and O&M phase.

SI #	Position	Minimum Qualifications & Experience	Nos
1.	Project Manager	a) Education: MBA/MCA/M. Tech & B. Tech/B.E. from a reputed institution b) Total Experience: Minimum 10 years in IT sector. c) Should have more than 8 years of experience of leading such large projects d) Certification: PMP	1
2.	Integrated Command and Control Centre (ICCC) Expert	a) Education: B.E/B.Tech from a reputed institute b) Total Experience : Minimum 10 years of experience in ICCC c) Should have experience of more than 2 projects as Control and Command Centre expert	1
3.	Solution Architect	a) Education: MCA/M. Tech/B. Tech/B.E. from a reputed institution b) Total Experience: Minimum 8 years in IT sector. c) Should have experience of more than 3 years as a Solution Architecture in large projects of similar nature	1
4.	Solid Waste Management Expert	a) BE/B.Tech or Graduation/Post Graduation from a recognized educational institution b) Experience: Minimum 10 years. c) Should have experience in designing & implementing ICT base Solid Waste Management System for minimum 2 projects.	1
5.	Security / Surveillance /IoT Expert	a) B.Tech / M.Tech with atleast 8 years of experience b) Should have experience designing and implementing Surveillance solutions including IoT platform for atleast 2 projects. c)	1

6.	GIS Expert	a) B.Tech / M.Tech with at least 5 years experience in GIS Solution Implementation b) Should have experience in designing and implementing GIS solution for atleast 3 similar projects	1
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**Manpower plan for Implementation Phase to be provided as per format provided in 7.5.3 (I). Apart from the above –mentioned resources, the Bidder shall also provide adequate manpower to be deployed during the Operation & Maintenance phase of the Project as provided in the format 7.5.3 (II)**

**Notes:**

**The top three profile (Project Manager, Control and Command Centre Expert and Solution Architect) should be on the payroll of the Sole Bidder or the Lead Bidder**

Manpower plan for Implementation Phase to be provided as per format provided in 7.5.3

- (I) Apart from the above –mentioned resources, the Bidder shall also propose manpower to be deployed during the Operation & Maintenance phase of the Project as provided in the format 7.5.3
- (II) (II) 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.

**Manpower Deployment**

The city level Local System Integrator Bidder shall deploy Manpower during implementation and O&M phases. The deployed resource shall report to the Authority and work closely with Program Management Office of the project. Following are the minimum resources required to be deployed in the Project, however LSI shall deploy additional resources based on the need of the Project and to meet the defined SLAs, as required, in this RFP:

#	Type of Resource	Quantity	Minimum Deployment during Implementation phase	Minimum Deployment during Operation and Maintenance phase
<b>1</b>	<b>Project Manager</b>	1	At least 80%	100%
<b>2</b>	<b>Integrated Command and Control Center (ICCC) Expert</b>	1	At least 80%	Onsite Support to Project team on need basis
<b>3</b>	<b>Solution Architect</b>	1	At least 80%	Onsite Support to Project team on need basis
<b>4</b>	<b>Surveillance &amp; IOT Expert</b>	1	At least 80%	100%
<b>5</b>	<b>Domain Expert</b>	1	At least 80%	100%

#	Type of Resource	Quantity	Minimum Deployment during Implementation phase	Minimum Deployment during Operation and Maintenance phase
<b>6</b>	<b>GIS Expert</b>	1	At least 80%	100%

#### **4. Award of Contract**

##### **4.1 Notification of Award**

Authority will notify the successful Bidder in writing / e-mail to be confirmed by the bidder in writing / email.

##### **4.2 Signing of Contract**

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

On receipt of the Performance Bank Guarantee, Authority or the agency designated by Authority shall enter into a contract with the Successful Bidder. The Service Level Agreement (SLA) is provided in RFP Volume III. The contract shall include all the Terms and Conditions of the RFP, Corrigendum issued thereof if any and SLA shall be finalized & signed between the Authority and the Successful bidder within 30 working days from the date of issue of Work Order.

##### **4.3 Performance Bank Guarantee (PBG)**

The Successful Bidder shall submit the following Performance Bank Guarantees at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority, GoK. The PBG shall be from a Nationalized Bank/Scheduled bank in the format prescribed in Section 9 - Annexure 7 (a), payable on demand at any of the bank branch at Hubballi, for the due performance and fulfilment of the contract by the bidder.

1. Implementation Performance Bank Guarantee (IPBG) shall be submitted within Twenty One (21) working days from the date of issuance of LOI, for an amount equivalent to 10% of the total CAPEX price (as mentioned in the Section 9 Annexure (7a) towards the implementation Phase, valid for a period of one year or Until Go-Live date whichever is later.
2. Operational Performance Bank Guarantee (OPBG) shall be submitted to the authority prior to expiry of the IPBG at least 3 months in advance, towards the Operation Phase for an amount equivalent to 10% of the total OPEX price (as mentioned in the Section 9 Annexure (7a) valid for a period of 5 years plus 60 days.

PBG shall be invoked by Authority, in the event the Bidder:

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

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.

In case the project is delayed beyond the project schedule as mentioned in RFP Vol II and all such delays accepted by the Authority, the implementation performance bank guarantee (IPBG) shall be accordingly extended by the Bidder till completion of scope of work as mentioned in RFP Volume II.

On satisfactory performance and completion of the order in all respects and duly certified to this effect by the Authority, Project Completion Certificate shall be issued and the IPBG would be returned to the Bidder after the receipt of OPGB an after deducting penalties, if any upon Go- live.

OPBG would be returned to the bidder upon completion of O&M of the project in all respect at the end of 5 years plus 60 days after deducting penalties, if any.

#### **4.4 Warranty & Comprehensive Annual Maintenance**

Bidder shall also provide comprehensive 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.

The Bidder shall offer default warranty of three years ( 3) for all the supplied IT equipment & shall extend comprehensive Annual Maintenance Contract (AMC) services to cover additional two ( 2) years and for all the supplied.

During the warranty period, the bidder shall warrant that the goods supplied under the contract are new, defect free, unused at the time of delivery, and 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 and AMC. Upon receipt of such notice, the Bidder shall, within the warranty and AMC period and with all reasonable speed, repair or replace the defective systems, without costs to Authority and within time specified and acceptable to Authority. Bidder shall extend the services of repair, replacement and preventive maintenance for entire contract period of 5 years from the date of Go-Live without costs to Authority meeting SLA.

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. Provided however that the Authority shall first give a prior reasonable notice to the Successful Bidder to rectify the default and only if the default continues even after the expiry of the cure period shall the Authority have the right to invoke this penalty clause as mentioned in RFP Vol III.

During the warranty and comprehensive AMC 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 meeting SLA.

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 and comprehensive AMC 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 at the risk and cost of the Successful Bidder.

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

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

Bidder shall submit all Pre-Bid Queries in excel (soft copy) in the following format.

<b>Sl. No.</b>	<b>RFP Volume, Section</b>	<b>RFP Page No.</b>	<b>Content in the RFP</b>	<b>Clarification Sought</b>

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

### 6.1 Pre-Qualification bid checklist

#	Eligibility Criteria	Document Proof	Compliance (Y/N)	Doc ref
1	<ul style="list-style-type: none"> <li>The Sole Bidder or the Lead Bidder of Consortium must be registered company in India and should be in the business &amp; have been operational at least for last 5 years as on date of bid submission.</li> </ul>	<ul style="list-style-type: none"> <li>Copy of Certificate of Incorporation / Registration under companies Act, 1956/2013 and its subsequent amendments.</li> <li>Memorandum and Articles of Association</li> <li>GST registration certificate</li> <li>Copy of purchase orders showing at least 5 years of operations OR Certified true copy of relevant extracts of balance sheet and PL statements for last 5 years.</li> </ul> <p>For Consortium members</p> <ul style="list-style-type: none"> <li>GST registration certificate</li> <li>PAN</li> <li>Consortium agreement/MoU clearly stating the roles and responsibilities and scope of works of each member/ partner company.</li> </ul>		<b>QP – 1(1)</b>
2	<p>The Sole Bidder/ Consortium should have an average annual turnover of INR 80 Crore from the operations which includes at least any one activities from the list “IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command &amp; control center implementation/ Network operating center (NOC)” in over last 3 audited financial years from the date of NIT</p> <p>In case of a consortium, the Lead Bidder should</p>	<ul style="list-style-type: none"> <li>Audited statement for last 3 financial years of the sole bidder.</li> <li>Audited statement for last 3 financial years of lead bidder and its member companies.</li> <li>Certificate from the Chartered Accountant/ statutory auditor/ Company Secretary clearly specifying the annual turnover from the operations which includes at least any one activities from “IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command &amp; control center implementation/</li> </ul>	•	<b>QP – 1(2)</b>



	have average annual turnover of at least 50% of the total turnover. The combined average annual turnover of the Lead Bidder and Consortium company/companies shall be minimum of Rs 80 Crores.	Network operating center (NOC)" for the specified years. (Applicable to sole bidder or lead bidder) Certificate from the Chartered Accountant/ statutory auditor/ Company Secretary clearly specifying the annual turnover from the operations which includes at least one activity from "IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command & control center implementation/ Network operating center (NOC)" for the specified years. (Applicable to consortium member companies)		
3	The sole bidder or the lead bidder of the consortium should have a positive net worth for the previous 3 financial years from the date of NIT	Audited and certified Balance Sheet and Profit/Loss Account of the previous 3 financial year Certificate from the statutory auditor/ Company secretary clearly specifying the Net worth of the firm for the specified year to be provided.		<b>QP – 1(3)</b>
4	As on date of the submission of the proposal, the sole bidder or the consortium should not be black listed or debarred by Central/State governments/PSU in India	Undertaking from the authorized signatory of the bidder (in case of Consortium), to be provided by each member) as per the format in Section 6.4	•	<b>QP – 1(4)</b>
5	The Sole Bidder or lead bidder of the consortium should possess following certifications. a) ISO 9001:2000 b) ISO 27001 and The Sole Bidder or any member of the consortium in case of the Consortium should possess	Copies of the relevant certifications.		<b>QP – 1(5)</b>

	<p>following certifications</p> <p>a) CMMilevel 3 Certifications.</p> <p>b) ISO 20000</p>			
6	<p>The Sole Bidder or the Consortium should have experience in executing at least 2 nos. of ICT projects which includes any of the following areas during last 5 years as on bid submission date: Value of each project should be minimum of Rs. 5 Crore</p> <ol style="list-style-type: none"> <li>1. Smart Transport</li> <li>2. ICT based SWM</li> <li>3. Variable messaging system/public address system.</li> <li>4. E-Governance applications</li> <li>5. Smart utilities like water/UGD</li> <li>6. Smart parking/smart lighting</li> <li>7. Surveillance</li> <li>8. Emergency Response system</li> </ol> <p>Other applications as per City requirement.</p>	<p>Copies of work order, Client certificate indicating satisfactory completion of the Project and other relevant documents.</p> <p>Note:</p> <ol style="list-style-type: none"> <li>1. The date of work order should be at least 6 months before the date of release of this RFP.</li> <li>2. In case of ongoing projects, the project must have achieved 80% of the capex completion from financial &amp; physical perspective.</li> <li>3. In case the experience shown is that of bidder's parent/subsidiary/ sisters concern company, then the following additional documents are required <ol style="list-style-type: none"> <li>a. Letter from Company Secretary of the bidder certifying that the entity whose experience shown is parent/subsidiary/sister concern company</li> <li>b. Share holding pattern of the bidding entity as per audit report</li> </ol> </li> </ol>		<b>QP – 1(6)</b>
7	<p>The Sole bidder or the Consortium must have on its pay roll a team of 10 or more technically qualified professionals.</p>	<p>Self-Certification from the bidder for the number of technically qualified professionals employed in the company with their qualification and skill set. (Applicable to sole bidder or lead bidder of consortium or its member company)</p>		<b>QP – 1(7)</b>

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## 6.2 Pre-Qualification Bid Covering Letter

Date: dd / mm / yyyy

To,  
The Managing Director,  
Hubballi Dharwad Smart City Limited,  
Hubballi

**Sub: Request for Proposal for {Name of the Project}**

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

Dear Sir,

With reference to your "**Sub: Request for Proposal for {Name of the Project}**", 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 Rs..... and Tender processing fee of Rs..... online through e-procurement portal.
- 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 bid due date, **which can be further extendable upon request by the 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 discount etc.
- g. We do hereby undertake, that, until a formal contract is prepared and executed, this

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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 clarification please contact Mr / Ms .....at 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 (Sole Bidder or Lead Bidder and its consortium member companies)

(To be provided on the Company letterhead)

Sl. No.	Particulars	Description or Details
1	Name of Bidder	
2	Legal status of Bidder (company, Pvt. Ltd., etc.)	
3	Main business of the Bidder	
4	Registered office address	
5	Incorporation date and number	
6	GST Registration	
7	PAN details	
8	Primary Contact Person (Name, Designation, address, mobile number, fax, email)	
9	Secondary Contact Person (Name, Designation, address, mobile number, fax, email)	
10	EMD details	
11	Role in Consortium (if applicable)	Brief scope of work in the consortium

#### B. Certificate of Incorporation

#### C. Financial Turnover

The financial turnover of the company is provided as follows:

	2014 - 15	2015 -16	2016 -17
<b>Annual Turnover</b>			

Copy of audited financial statements or declaration from the appointed statutory auditor to be provided as proof of the financial turnover

Positive net worth of the last three financial years as on from the date of NIT. Copy of statutory auditor certificate to be submitted along with the bid

#### A. Certifications

Provide copy of valid certification for ISO 9001, ISO 27001 and ISO 20000 certifications and CMMI Level 3 or above and TIER III Data center certification of the previous project executed as required in Pre-Qualification criteria as on date of NIT.

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**6.4 Declaration of Non-Blacklisting**

**6.4.A Declaration for Sole Bidder/ Lead Bidder**

*(To be provided on the Company letter head)*

:

Place  
Date

To,

[       ]

Subject: Self-Declaration of not been blacklisted/debarred in response to the **“Request for Proposal for {Name of the Project}”**

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

Dear Sir,

We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted/debarred in any manner whatsoever by any of the State or UT or PSU 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:

---

**6.4.B Declaration for Consortium Members:**

*(To be provided on the Company letter head)*

{Place}

{Date}

To,

[            ]

Subject: Self-Declaration of not been blacklisted/debarred in response to the “**Request for Proposal for {Name of the Project}**”

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

Dear Sir,

We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted/debarred in any manner whatsoever by any of the State or UT or PSU 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:

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**6.5 No Deviation Certificate**

*(To be provided on the Company letter head)*

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 with respect to Authority requirements, Technical Specification, Hardware Specification, Functional Requirement and Scope of Work.

(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 all the volumes of the RFP.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

---

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

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

Name of the Project	
Client's Name, Contact no. and Complete Address	
Contract Value for the bidder (in INR)	
Current status of the project (Completed/Ongoing)	
Activities completed by bidding entity as on bid submission date <i>N.B Only relevant activities as sought in the criteria to be included</i>	
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:

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

### 7.1 Technical BidCheck-List

#	Technical Evaluation Criteria	Supporting documents required	Compliance (Y/N)	Doc Ref
A.	<b><i>Bidders Experience &amp; Organization Strength</i></b>			
A1	The Bidder (or any consortium member) should have demonstrable expertise and experience in executing large ICT projects during last seven years as on 31 <sup>st</sup> march 2017	Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project		<b><i>TB – 1(1)</i></b>
A2	Annual turnover from IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command & control center implementation/ Network operating center (NOC) In case of consortium, aggregated turnover of the consortium may be considered with 50% (minimum) of the lead bidder	Audited statement for last 3 financial years of the sole bidder. Audited statement for last 3 financial years of lead bidder and its member companies.		<b><i>TB – 1(2)</i></b>
A3	People in organization (Full time Employees – FTE in ICT projects) Submission of HR certificate stating the same	HR Certification on Company Letterhead for Sole Bidder/Lead Bidder		<b><i>TB – 1(3)</i></b>
A4	The sole bidder or any member in a case of consortium, should possess any CMMi level certification	Copies of valid certificates in the name of sole bidder or the lead bidder in case of consortium		<b><i>TB – 1(4)</i></b>
A5	The sole bidder or the lead bidder in a case of consortium, should possess ISO certification	Copies of valid certificates in the name of sole bidder or the lead bidder in case of consortium		<b><i>TB – 1(5)</i></b>
A6	If Lead bidder/ anyone of the member in the consortium is MSME	Copies of Certification of MSME Ministry, GoI		<b><i>TB- 1(6)</i></b>

#	Technical Evaluation Criteria	Supporting documents required	Compliance (Y/N)	Doc Ref
<b>Project Experience of Bidder</b>				
B1	The bidder should have demonstrable expertise and experience of setting up or O&M of ICCR room/ data Centre/ Integrated city operation platform/ Emergency response Centre/ Security and Surveillance Control Room/ City Wide (NOC/SOC)/ Surveillance Control Room built for Highways, Railways, Airports, Campus, Private Firms and other government establishments etc. during last seven years (as on date of submission of bid) of minimum value of 5 crore each	Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.		<b>TB – 1(6)</b>
B2	<ul style="list-style-type: none"> <li>• The bidder should have demonstrable expertise and experience in implementation or integration of any 4 of the following smart features with the centralized system in the last 5 years</li> <li>1. GIS</li> <li>2. Parking System</li> <li>3. Intelligent Bus Transport System</li> <li>4. Fibre NOC</li> <li>5. CCTV Camera</li> <li>6. Traffic Signalization/ Traffic Enforcement System ANPR/E-Challan</li> <li>7. Smart Lighting</li> <li>8. ICT enabled Solid Waste management</li> </ul> Each such project is considered as one unit	Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.		<b>TB – 1 (7)</b>
B3	The bidder should have experience in executing ICT based Solid Waste Management projects in last 5 years (till years ending 31st March 2017).	Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.		<b>TB – 1(8)</b>
B4	The bidder should have experience in executing Traffic Management (Signalization and/or ANPR) projects in last 5 years (as on date of submission of bid).	<i>Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.</i>		<b>TB – 1(9)</b>

#	Technical Evaluation Criteria	Supporting documents required	Compliance (Y/N)	Doc Ref
B5	The bidder should have experience in executing Smart parking projects in last 5 years (as on date of submission of bid).	<i>Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.</i>		<b><i>TB – 1(10)</i></b>
B6	The bidder should have experience in executing Smart Water metering projects in last 5 years (till years ending 31 <sup>st</sup> March 2017).	<i>Copies of Work orders, contract agreements, Client Certificate indicating satisfactory completion of the project.</i>		<b><i>TB – 1 (11)</i></b>
<b>Approach &amp; Methodology &amp; Project Presentation/Demonstration</b>				
C1	Approach & Methodology covering understanding of the project, FRS, TRS, scope & deliverables etc. Provide White paper, Case study, Best practices developed in the past to demonstrate client experience.			<b><i>TB – 1(12)</i></b>
<b>Proposed Resources for the Project</b>				
D1	People on project			<b><i>TB – 1 (13)</i></b>

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## 7.2 Technical Bid Covering Letter

To,

Date :

Subject : "Request for Proposal for {Name of the project}".

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

Dear Sir,

I (in case of single bidder) or We, <<name of the undersigned Bidder and consortium members>>, having read and examined in detail all the bidding documents in respect of "**Request for Proposal {Name of the project}**" 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, Government of Karnataka 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 7(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 from bid due date. We shall extend the validity of the bid if required by Authority.

Thanking you,  
Yours sincerely,

(Signature of the Sole Bidder/Lead Bidder)

Printed Name  
Designation

**Seal**

Date:  
Place:

Business Address:

### 7.3 Credential Summary

Sl.No	Project Name	Client Name	Client Type	Project Value (in INR)	Project Components	Documentary evidence provided (Yes or No)	Project Status (Completed or Ongoing or Withheld)
1							
2							
3							
4							
5							
6							
7							

- Client type – Indicate whether the client is Government or PSU or Private
- Project Components – Indicate the major project components like setting up of IT systems/ IT systems integration/ IT services/ ICT/ System integration services/ communication infrastructure/ city surveillance/ ICT based utility management/ Transport management/ command & control center implementation/ Network operating center (NOC)
- Documentary evidence provided – Indicate the documentary evidence provided with the detailed project credential like work order or purchase order and completion certificate or letter of appointment in English language.
- Project Status – Completed (date of project completion) or Ongoing (project start date, physical and financial progress)

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#### **7.4 Bidder's Experience-Client Citations**

Sole Bidder or Lead bidder in case of Consortium is requested to furnish the credentials in the following format for both Pre-Qualification and Technical Criteria. All credentials should be followed by relevant documentary proof.

Name of the Project & Location	
Client's Name and Complete Address	
Narrative description of Project	
Contract Value for the bidder (in INR)	
Date of Start	
Date of Completion	
Activities undertaken by prime bidder or consortium member	

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.



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## 7.5 Overview of Proposed Solution

### 7.5.1 Structure of Proposed Solution

Bidders are required to provide a detailed 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 <ul style="list-style-type: none"><li>• Deployment strategy of Manpower</li><li>• Contingency management</li><li>• Mobilization of existing resources and additional resources as required</li><li>• Training and handholding strategy</li></ul>

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

## 7.5.2 Project Plan

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

<b>Activity-Wise Timelines</b>							
<b>Sl.No</b>	<b>Item of Activity</b>	<b>Month-wise Program</b>					
		1	2	3	4	5	...
	Project Plan						
1	Activity 1						
1.1	Sub-Activity 1						
1.2	Sub-Activity 2						
2							
2.1							
2.2							
3							
3.1							
4							

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

**7.5.3 Manpower Plan**

**i. Till Go-Live(Implementation)**

<b>Manpower distribution</b>									
<b>Sl.No.</b>	<b>Role</b>	<b>Month wise time to be spent by each personnel (in days)</b>						<b>Total</b>	
		Month 1	Month 2	Month 3	.....	.....	Month 12		
1	Project Manager								
2	Solution Architect (DC)								Onsite
3	Enterprise Architect / IOT Expert								Onsite
4	Networking Architect								Onsite
5	<Add more rows as required>								Onsite
<b>Total</b>									

**I. AfterGo-Live(Operation&Maintenance)**

Manpower distribution								
Sl.No.	Manpower	Years					Total	
		Year 1	Year 2	Year 3	Year 4	Year 5		
1								Onsite/Offsite
2								Onsite/Offsite
3	<Add more rows as required>							Onsite/Offsite
Total								

---

## 7.6 Details of Resourcesproposed

### 7.6.1 Summary of Resourcesproposed

SL. No	Name of the Resource	Proposed Role	Highest Degree	Basic Qualification (E.g. B.E./MTechor MCA	Certifications (eg. PMPor"ITILorCCN Petc.	Total Experience (in Years)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

## 7.7 Curriculum Vitae (CV) of Team Members

	<b>Name:</b>				
1.	<b>Proposed position or role</b>				
2.	<b>Date of Birth</b>	<b>Nationality</b>			
3.	<b>Education</b>	<b>Qualification</b>	<b>Name of School or College or University</b>	<b>Degree Obtained</b>	<b>Year of passing</b>
4.	<b>Years of experience</b> <i>(as required for the Profile)</i>				
5.	<b>Areas of Expertise and no. of years of experience in this area</b>				
6.	<b>Certifications and Trainings attended</b>				
7.	<b>Employment Record</b>	<b>Employer</b>	<b>Position</b>	<b>From</b>	
		<i>[Starting with recent for each employment: dates of employment, name of employing Organization, positions held.]</i>		<i>position and last 2 firms, list in reverse order, giving</i>	
8.	<b>Detailed Tasks Assigned</b> <i>(List all tasks to be performed under this project)</i>				
9.	<b>Relevant Work Undertaken that Best Illustrates the experience as required for the Role)</b>				

Project 1	
Name of assignment	
Year	
Location	
Employer	
Main project features	
Position held	
Activities performed	
Project 2	
Name of assignment	
Year	
Location	
Employer	
Main project features	
Position held	
Activities performed	

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## **7.8 Compliance to Requirement (Technical Requirements Specifications-TRS/ Functional Requirements Specifications-FRS)**

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.

Note: A no for full compliance for any items in above table is considered as non-responsive, bids will not be further evaluated and will be rejected.

## 7.9 Proposed Bill of Material

The Bidders 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. 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 Bidders 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.

**The list of items mentioned here under is indicative. The Bidders shall consider the components and quantity to fulfill the RFP and project requirements in totality. The BoM (Annexure-4) shall comply with the FRs and TRS given in Vol. 2 of the RFP.**

### 7.9.1 Annexure 4 - Bill of Material for command and control centre.

No.	BoM Line Item	Qty at temporary site	Additional Qty required	Total Qty		Make/ Brand	Model Details	Full compliance with RFP
<b>A</b>								
A.1	Video Wall Cubes (70 inch each)	8	4	12				
A.2	Video Wall Controller with Wall Management System	1	NA	1				
<b>B</b>								
B.1	Call Center Software	1	NA	1				
<b>C</b>								
C.1	Multi-Function Laser Printer (City Control Room)	2	NA	2				
C.2	Operator Workstations (City Control Room)	16	NA	16				
C.3	IP Phones	25	NA	25				
C.4	Digital Set top boxes	1	2	3				
C.5	Television Set (Meeting room + Conference Room)	1	2	3				
C.6	Office Desktop	5	NA	5				
<b>D</b>								
D.1	55" LED display to present critical information Display	2	NA	2				
D.2	Video Conferencing Unit	1	NA	1				
<b>E</b>								
E.1	IP PABX System	1	NA	1				
E.2	PRI Modem pair	2	NA	2				
<b>F</b>								
F.1	LAN and CAT-6 cabling	1	NA	1				
F.2	Public Address System	1	NA	1				
F.4	PTZ Cameras	3	3	6				
F.5	Fixed Dome Cameras with 32 Channel NVR	6	6	12				
<b>G</b>								
G.1	DTH Subscription	1	NA	1				
G.2	PRI Lines	1	NA	1				
<b>H</b>								
H.1	Contact Centre Operators	12	NA	12				
<b>I</b>								
I.1	L2 Switch (48 Ports)	2	NA	2				
I.2	MPLS Router	2	NA	2				



No.	BoM Line Item	Qty at temporary site	Additional Qty required	Total Qty		Make/Brand	Model Details	Full compliance with RFP
I.3	Networking/IT Racks	2	NA	2				
I.4	Core Switch/ Data Center Switch	2	NA	2				

### 7.9.2 Annexure 4 - Bill of Material for ICT based Solid Waste Management.

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
<b>A</b>	<b>RFID Tagging and Bin Level Sensors</b>					
A.1	Door to Door RFID	300000				
A.2	RFID Readers	134				
A.3	GPS Trackers	165				
A.4	CCTV Cameras (PTZ)	120				
A.5	Fuel Sensors (only for HDMC vehicles)	21				
<b>B</b>	<b>Application Development and Geocoding</b>					
B.1	Software Application (Web/Mobile compatible)	1				
B.2	Development, Customization, Integration of integrated SWM solution	1				
B.3	Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins)	20				
<b>C</b>	<b>Training</b>					
C.1	Training of Users including documentation/ Capacity Building	1				
<b>D</b>	<b>O&amp;M</b>					
D.1	Maintenance cost for all hardware & devices (for 5 years from date of Go-Live)	Lumpsum				
D.2	Maintenance cost for all software & licenses and application support (for 5 years from date of Go-Live)	Lumpsum				
<b>D</b>	<b>Cam Connectivity for SWM</b>					
D.1	Network connectivity from SWM cameras to PoP	120				
D.2	Network connectivity to ICC of 480 MBPS	1 (480 MBPS)				

### 7.9.3 Annexure 4 - Bill of Material for ICT intervention in ABD area.

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
<b>A</b>	<b>Junction Improvement</b>					
A.1	CCTV Cameras	12				
A.2	Network connectivity from SWM cameras to PoP	12				
A.3	Network connectivity to ICC	1 (48 MBPS)				
<b>B</b>	<b>Nehru Stadium</b>					
B.1	CCTV Cameras	15				
B.2	Network connectivity from SWM cameras to PoP	15				

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
B.3	Network connectivity to ICCC	1 (60 MBPS)				
<b>C</b>	<b>Lakefront Development</b>					
C.1	CCTV Cameras	15				
C.2	Network connectivity from SWM cameras to PoP	15				
C.3	Network connectivity to ICCC	1 (60 MBPS)				
<b>D</b>	<b>MG Park</b>					
D.1	CCTV Cameras	12				
D.2	Network connectivity from SWM cameras to PoP	12				
D.3	Network connectivity to ICCC	1 (48 MBPS)				

#### 7.9.4 Annexure 4 - Bill of Material for Fire and Emergency Management

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
<b>A</b>	<b>Vehicle Tracking</b>					
A.1	GPS Trackers	8				

#### 7.9.5 Annexure 4 - Bill of Material for Technical Man Power

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
<b>A. Project Manager</b>						
1	Project Manager	1				
<b>B. Control and Command Centre - Technical Support</b>						
1	Technical Expert - IBMS & ICCC	1				
2	Solution Architect	1				
3	Technical Expert - SWM	1				
4	Technical Expert - Security & Surveillance	1				
5	Technical Expert - GIS	1				
<b>C. Data Centre</b>						
1	Tech Support - Network & Security	0				
2	Tech Support - Server & Storage	0				
<b>D. Non IT Support</b>						
1	Non IT experts	1				
2	Electrical and Plumbing team	2				
3	Security Staff	4				
4	Housekeeping staff	4				
5	Admin and support	2				

#### 7.9.6 Annexure 4 - Bill of Material for Integration with ICCC (One time costing)

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
1	One time migration charges from Interim ICCC to ICCC	Lumpsum				
2	One time cost for data migration, From one Cloud to another cloud	Lumpsum				
3	Integration of ICCC with Electrical SCADA and Smart Meters	Lumpsum				

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
4	Integration of ICCC with Street Lighting	Lumpsum				
5	Integration of ICCC with Water SCADA and Smart Meters	Lumpsum				
6	Integration of ICCC with Smart Parking	Lumpsum				
7	Integration of ICCC with Intelligent Traffic Management System (ITMS)	Lumpsum				
8	Integration of ICCC with City Surveillance System	Lumpsum				
9	Integration of ICCC with Emergency Response & Disaster Management	Lumpsum				
10	Integration of ICCC with Smart Payment	Lumpsum				
11	Integration of ICCC with GIS	Lumpsum				
12	Integration of ICCC with Smart Governance + People Empowerment Platform	Lumpsum				
13	Integration of ICCC with Solid Waste Management	Lumpsum				
14	Integration of ICCC with Smart Poles	Lumpsum				

#### 7.9.7 Annexure 4 - Bill of Material for Operating System and Databased at DC/DR for Hosting

No.	BoM Line Item	Total Qty.		Make/Brand	Model Details	Full compliance with RFP
<b>Operating System and Databased at DC/DR for Hosting</b>						
1	Operating System –Windows	3				
2	Operating system-Open source	19				
3	JBoss	1				
4	Database	2				
<b>Disaster Recovery</b>						
1	Operating System –Windows	2				
2	Operating system-Open source	10				
3	JBoss	1				
4	Database	2				

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**7.10 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,

[                    ],

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 centers 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 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 5 Years from the date of bidding and the support for such offered product / will be available for minimum of 5 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:

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## 7.11 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 {Name of the Project}**” 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

### 7.12 Details of additional components mentioned as “Others” in the BOQ

The Bidder may provide the additional line items in the proposed Bill of Material (BoM), in addition to the line items mentioned in the financial format in this RFP. 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. In case, no additional bill of quantity is proposed, the Bidder shall mention Rs. 1 (Rupee One) in the respective line item and in which case, the same will not be considered for the purpose of financial evaluation. 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.

### 7.13 Additional Bill of Quantity

Sl. No.	Description	UoM	Qty
1	Item 1		
2	Item 2		
3	Item 3		
4	Item 4		
5	Item 5		
6	Item 6		
	.		
	.		

**Note:**

The Bidder shall specify all additional line items proposed by him in the above specified format.

However, in the e-procurement portal, the total price for all additional items proposed shall be indicated in the last line items designated as “***Others***”.

The successful bidder shall provide the price break-up for all such additional items proposed by him, before conclusion of contract agreement.

### 7.14 Tax Format

Bidders are required to provide the details of the applicable tax component considered against each line item and also for additional bill of quantity (as per Section 7.12), wherever applicable. The bid shall be considered non-responsive in the absence of these details. These details shall be used only for reference purpose and shall not be considered for the evaluation.

However, for evaluation purpose, total price, exclusive of taxes, shall be considered for identification of

least bidder and according appointment of System Integrator. The taxes as per actual shall be paid by the Authority during the project period, upon submission of original invoice for line items and additional line items, as applicable.

#### 7.14.1 Format for Tax

<b>No.</b>	<b>BoM Lime Item</b>	<b>GST Tax % age</b>
A.1	Video Wall Cubes (70 inch each)	
A.2	Video Wall Controller with Wall Management System	
B.1	Call Center Software	
C.1	Multi-Function Laser Printer (City Control Room)	
C.2	Operator Workstations (City Control Room)	
C.3	IP Phones	
C.4	Digital Set top boxes	
C.5	Television Set (Meeting room + Conference Room)	
C.6	Office Desktop	
D.1	55" LED display to present critical information Display	
D.2	Video Conferencing Unit	
E.1	IP PABX System	
E.2	PRI Modem pair	
F.1	LAN and CAT-6 cabling	
F.2	Public Address System	
F.4	PTZ Cameras	
F.5	Fixed Dome Cameras with 32 Channel NVR	
G.1	DTH Subscription	
G.2	PRI Lines	
H.1	Contact Centre Operators	
I.1	L2 Switch (48 Ports)	
I.2	MPLS Router	
I.3	Networking/IT Racks	
I.4	Core Switch/ Data Center Switch	
	RFID Tagging and Bin Level Sensors	
A.1	Door to Door RFID	
A.2	RFID Readers	
A.3	GPS Trackers	
A.4	CCTV Cameras (PTZ)	
A.5	Fuel Sensors (only for HDMC vehicles)	
B	Application Development and Geocoding	
B.1	Software Application (Web/Mobile compatible)	
B.2	Development, Customization, Integration of integrated SWM solution	
B.3	Geocoding / Geofencing / Survey of sites (Offices /	

No.	BoM Lime Item	GST Tax % age
	dumping grounds / stations / bins)	
C	Training	
C.1	Training of Users including documentation/ Capacity Building	
D	O&M	
D.1	Maintenance cost for all hardware & devices (for 5 years from date of Go-Live)	
D.2	Maintenance cost for all software & licenses and application support (for 5 years from date of Go-Live)	
D	Cam Connectivity for SWM	
D.1	Network connectivity from SWM cameras to PoP	
D.2	Network connectivity to ICCC of 480 MBPS	
A	Junction Improvement	
A.1	CCTV Cameras	
A.2	Network connectivity from SWM cameras to PoP	
A.3	Network connectivity to ICCC	
B	Nehru Stadium	
B.1	CCTV Cameras	
B.2	Network connectivity from SWM cameras to PoP	
B.3	Network connectivity to ICCC	
C	Lakefront Development	
C.1	CCTV Cameras	
C.2	Network connectivity from SWM cameras to PoP	
C.3	Network connectivity to ICCC	
D	MG Park	
D.1	CCTV Cameras	
D.2	Network connectivity from SWM cameras to PoP	
D.3	Network connectivity to ICCC	
A	Vehicle Tracking	
A.1	GPS Trackers	
	Others	

Note:

The Bidder shall quote **only** the tax rate **in percentage** for all line items.

**NO** financial values shall be indicated against the line items. Failure to do so, shall result in rejection of the Bid as non-responsive.



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**8. Annexure 5 – Formats for Submission of the Commercial Bid**

- a) Bidders should provide all prices as per the prescribed format under this Annexure. Bidders should not leave any field blank. In case the field is not applicable, Bidder must indicate "1" (One) in all such fields.
- b) Bidder should quote his price for each of the line item in the e-procurement portal.
  - In the e-procurement portal, Bidder should enter the Unit Rate, excluding tax, for that particular line item.
- c) All the prices against each Line Items must be exclusive of any Taxes and are to be entered in Indian Rupees ONLY (% values are not allowed) in the e-procurement portal
- d) It is mandatory to provide breakup of all Taxes, Duties and Levies wherever applicable and/or payable in the separate annexure 7.13 with Technical Bid. However, Authority shall consider Grand Total (Capex Price + Opex Price with NPV) exclusive of applicable taxes etc. for evaluation purpose and arriving at L1 price.

Authority reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.

It is mandatory to quote for all the items, if the bidder does not quote for any item, the amount of the such items assumed to be included in the other items. No separate payment would be made to the missing or non-conforming item and it is deemed that contractor would execute the missing / non confirming item at the "Award Price".

## 8.1. Annexure6-PriceComponentforCAPEX

(This BoQ is only for reference, ***rate be quoted in price schedule on e-portal only***):

SI No.	Description of works	Unit	Quantity
1	Command and control centre : Video wall cubes (70 inch each)	Nos	12
2	Command and control centre : Video Wall Controller with Wall Management System	Nos	1
3	Command and control centre : Call Center Software	Nos	1
4	Command and control centre : Multi-Function Laser Printer (City Control Room)	Nos	2
5	Command and control centre : Operator Workstations (City Control Room)	Nos	16
6	Command and control centre : IP Phones	Nos	25
7	Command and control centre : Digital Set top boxes	Nos	3
8	Command and control centre : Television Set (Meeting room + Conference Room)	Nos	3
9	Command and control centre : Office Desktop	Nos	5
10	Command and control centre : 55" LED display to present critical information Display	Nos	2
11	Command and control centre : Video Conferencing Unit	Nos	1
12	Command and control centre : IP PABX System	Nos	1
13	Command and control centre : PRI Modem pair	Nos	2
14	Command and control centre : LAN and CAT-6 cabling	Nos	1
15	Command and control centre : Public Address System	Nos	1
16	Command and control centre : PTZ Cameras	Nos	6
17	Command and control centre : Fixed Dome Cameras with 32 Channel NVR	Nos	12
18	Command and control centre : DTH Subscription	Nos	1
19	Command and control centre : PRI Lines	Nos	1
20	Command and control centre : Contact Centre Operators	Nos	12
21	Command and control centre : L2 Switch (48 Ports)	Nos	2
22	Command and control centre : MPLS Router	Nos	2
23	Command and control centre : Networking/IT Racks	Nos	2
24	Command and control centre : Core Switch/ Data Center Switch	Nos	2
25	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID	Nos	300000
26	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers	Nos	134
27	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers	Nos	165
28	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ)	Nos	120
29	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles)	Nos	21
30	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible)	Nos	1
31	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution	Nos	1

<b>SI No.</b>	<b>Description of works</b>	<b>Unit</b>	<b>Quantity</b>
32	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins)	Nos	20
33	ICT based solid waste management : Training of Users including documentation/ Capacity Building	Nos	1
34	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP	Nos	120
35	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS	Nos	1
36	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras	Nos	12
37	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP	Nos	12
38	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps)	Nos	1
39	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras	Nos	15
40	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP	Nos	15
41	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICCC (60 MBPS)	Nos	1
42	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras	Nos	15
43	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP	Nos	15
44	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICCC (60 MBPS)	Nos	1
45	ICT Intervention in ABD areas : MG Park: CCTV Cameras	Nos	12
46	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP	Nos	12
47	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS)	Nos	1
48	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers	Nos	8
49	One time migration charges from Interim ICCC to ICCC	Job	1
50	One time cost for data migration, From DR Cloud to different cloud	Job	1
51	Integration of ICCC with Electrical SCADA and Smart Meters	Job	1
52	Integration of ICCC with Street Lighting	Job	1
53	Integration of ICCC with Water SCADA and Smart Meters	Job	1
54	Integration of ICCC with Smart Parking	Job	1
55	Integration of ICCC with Intelligent Transport Management System (ITMS)	Job	1
56	Integration of ICCC with City Surveillance System	Job	1
57	Integration of ICCC with Emergency Response & Disaster Management	Job	1
58	Integration of ICCC with Smart Payment	Job	1
59	Integration of ICCC with GIS	Job	1
60	Integration of ICCC with Smart Governance modules from KMDS	Job	1
61	Integration of ICCC with Solid Waste Management Application	Job	1
62	Integration of ICCC with Smart Poles	Job	1
63	Supply of Operating System and Databased at Data Centre for Hosting - Operating System –Windows	Nos	3

<b>Sl No.</b>	<b>Description of works</b>	<b>Unit</b>	<b>Quantity</b>
64	Supply of Operating System and Databased at Data Centre for Hosting - Operating System –Open source	Nos	19
65	Supply of Operating System and Databased at Data Centre for Hosting - JBoss	Nos	1
66	Supply of Operating System and Databased at Data Centre for Hosting - Data Base	Nos	2
67	Supply of Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows	Nos	2
68	Supply of Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source	Nos	10
69	Supply of Operating System and Databased at Disaster Recovery for Hosting - JBoss	Nos	1
70	Supply of Operating System and Databased at Disaster Recovery for Hosting - Data Base	Nos	2
71	Others	Job	1

## 8.2. Annexure7-PriceComponentforOPEX

(This BoQ is only for reference, ***rate be quoted in price schedule on e-portal only***):

SI No	Item Name	Unit	Quantity
1	Command and control centre : Video wall cubes (70 inch each) - Opex for 1 year	Nos	1
2	Command and control centre : Video wall cubes (70 inch each) - Opex for 2 year	Nos	1
3	Command and control centre : Video wall cubes (70 inch each) - Opex for 3 year	Nos	1
4	Command and control centre : Video wall cubes (70 inch each) - Opex for 4 year	Nos	1
5	Command and control centre : Video wall cubes (70 inch each) - Opex for 5 year	Nos	1
6	Command and control centre : Video Wall Controller with Wall Management System : Opex for 1 year	Nos	1
7	Command and control centre : Video Wall Controller with Wall Management System : Opex for 2 year	Nos	1
8	Command and control centre : Video Wall Controller with Wall Management System : Opex for 3 year	Nos	1
9	Command and control centre : Video Wall Controller with Wall Management System: Opex for 4 year	Nos	1
10	Command and control centre : Video Wall Controller with Wall Management System: Opex for 5 year	Nos	1
11	Command and control centre : Call Center Software : Opex for 1 year	Nos	1
12	Command and control centre : Call Center Software : Opex for 2 year	Nos	1
13	Command and control centre : Call Center Software : Opex for 3 year	Nos	1
14	Command and control centre : Call Center Software: Opex for 4 year	Nos	1
15	Command and control centre : Call Center Software: Opex for 5 year	Nos	1
16	Command and control centre : Multi-Function Laser Printer (City Control Room) : Opex for 1 year	Nos	1
17	Command and control centre : Multi-Function Laser Printer (City Control Room) : Opex for 2 year	Nos	1
18	Command and control centre : Multi-Function Laser Printer (City Control Room) : Opex for 3 year	Nos	1
19	Command and control centre : Multi-Function Laser Printer (City Control Room): Opex for 4 year	Nos	1
20	Command and control centre : Multi-Function Laser Printer (City Control Room): Opex for 5 year	Nos	1
21	Command and control centre : Operator Workstations (City Control Room) : Opex for 1 year	Nos	1
22	Command and control centre : Operator Workstations (City Control Room) : Opex for 2 year	Nos	1
23	Command and control centre : Operator Workstations (City Control Room) : Opex for 3 year	Nos	1
24	Command and control centre : Operator Workstations (City Control Room): Opex for 4 year	Nos	1

SI No	Item Name	Unit	Quantity
25	Command and control centre : Operator Workstations (City Control Room): Opex for 5 year	Nos	1
26	Command and control centre : IP Phones : Opex for 1 year	Nos	1
27	Command and control centre : IP Phones : Opex for 2 year	Nos	1
28	Command and control centre : IP Phones : Opex for 3 year	Nos	1
29	Command and control centre : IP Phones: Opex for 4 year	Nos	1
30	Command and control centre : IP Phones: Opex for 5 year	Nos	1
31	Command and control centre : Digital Set top boxes : Opex for 1 year	Nos	1
32	Command and control centre : Digital Set top boxes : Opex for 2 year	Nos	1
33	Command and control centre : Digital Set top boxes : Opex for 3 year	Nos	1
34	Command and control centre : Digital Set top boxes: Opex for 4 year	Nos	1
35	Command and control centre : Digital Set top boxes: Opex for 5 year	Nos	1
36	Command and control centre : Television Set (Meeting room + Conference Room) : Opex for 1 year	Nos	1
37	Command and control centre : Television Set (Meeting room + Conference Room) : Opex for 2 year	Nos	1
38	Command and control centre : Television Set (Meeting room + Conference Room) : Opex for 3 year	Nos	1
39	Command and control centre : Television Set (Meeting room + Conference Room): Opex for 4 year	Nos	1
40	Command and control centre : Television Set (Meeting room + Conference Room): Opex for 5 year	Nos	1
41	Command and control centre : Office Desktop : Opex for 1 year	Nos	1
42	Command and control centre : Office Desktop : Opex for 2 year	Nos	1
43	Command and control centre : Office Desktop : Opex for 3 year	Nos	1
44	Command and control centre : Office Desktop : Opex for 4 year	Nos	1
45	Command and control centre : Office Desktop : Opex for 5 year	Nos	1
46	Command and control centre : 55" LED display to present critical information Display : Opex for 1 year	Nos	1
47	Command and control centre : 55" LED display to present critical information Display : Opex for 2 year	Nos	1
48	Command and control centre : 55" LED display to present critical information Display : Opex for 3 year	Nos	1
49	Command and control centre : 55" LED display to present critical information Display : Opex for 4 year	Nos	1
50	Command and control centre : 55" LED display to present critical information Display : Opex for 5 year	Nos	1
51	Command and control centre : Video Conferencing Unit : Opex for 1 year	Nos	1
52	Command and control centre : Video Conferencing Unit : Opex for 2 year	Nos	1
53	Command and control centre : Video Conferencing Unit : Opex for 3 year	Nos	1
54	Command and control centre : Video Conferencing Unit: Opex for 4 year	Nos	1
55	Command and control centre : Video Conferencing Unit: Opex for 5 year	Nos	1
56	Command and control centre : IP PABX System : Opex for 1 year	Nos	1
57	Command and control centre : IP PABX System : Opex for 2 year	Nos	1
58	Command and control centre : IP PABX System : Opex for 3 year	Nos	1
59	Command and control centre : IP PABX System: Opex for 4 year	Nos	1

SI No	Item Name	Unit	Quantity
60	Command and control centre : IP PABX System: Opex for 5 year	Nos	1
61	Command and control centre : PRI Modem pair : Opex for 1 year	Nos	1
62	Command and control centre : PRI Modem pair : Opex for 2 year	Nos	1
63	Command and control centre : PRI Modem pair : Opex for 3 year	Nos	1
64	Command and control centre : PRI Modem pair: Opex for 4 year	Nos	1
65	Command and control centre : PRI Modem pair: Opex for 5 year	Nos	1
66	Command and control centre : LAN and CAT-6 cabling : Opex for 1 year	Nos	1
67	Command and control centre : LAN and CAT-6 cabling : Opex for 2 year	Nos	1
68	Command and control centre : LAN and CAT-6 cabling : Opex for 3 year	Nos	1
69	Command and control centre : LAN and CAT-6 cabling: Opex for 4 year	Nos	1
70	Command and control centre : LAN and CAT-6 cabling: Opex for 5 year	Nos	1
71	Command and control centre : Public Address System : Opex for 1 year	Nos	1
72	Command and control centre : Public Address System : Opex for 2 year	Nos	1
73	Command and control centre : Public Address System : Opex for 3 year	Nos	1
74	Command and control centre : Public Address System: Opex for 4 year	Nos	1
75	Command and control centre : Public Address System: Opex for 5 year	Nos	1
76	Command and control centre : PTZ Cameras : Opex for 1 year	Nos	1
77	Command and control centre : PTZ Cameras : Opex for 2 year	Nos	1
78	Command and control centre : PTZ Cameras : Opex for 3 year	Nos	1
79	Command and control centre : PTZ Cameras : Opex for 4 year	Nos	1
80	Command and control centre : PTZ Cameras : Opex for 5 year	Nos	1
81	Command and control centre : Fixed Dome Cameras with 32 Channel NVR : Opex for 1 year	Nos	1
82	Command and control centre : Fixed Dome Cameras with 32 Channel NVR : Opex for 2 year	Nos	1
83	Command and control centre : Fixed Dome Cameras with 32 Channel NVR : Opex for 3 year	Nos	1
84	Command and control centre : Fixed Dome Cameras with 32 Channel NVR: Opex for 4 year	Nos	1
85	Command and control centre : Fixed Dome Cameras with 32 Channel NVR: Opex for 5 year	Nos	1
86	Command and control centre : DTH Subscription : Opex for 1 year	Nos	1
87	Command and control centre : DTH Subscription : Opex for 2 year	Nos	1
88	Command and control centre : DTH Subscription : Opex for 3 year	Nos	1
89	Command and control centre : DTH Subscription: Opex for 4 year	Nos	1
90	Command and control centre : DTH Subscription: Opex for 5 year	Nos	1
91	Command and control centre : PRI Lines : Opex for 1 year	Nos	1
92	Command and control centre : PRI Lines : Opex for 2 year	Nos	1
93	Command and control centre : PRI Lines : Opex for 3 year	Nos	1
94	Command and control centre : PRI Lines: Opex for 4 year	Nos	1
95	Command and control centre : PRI Lines: Opex for 5 year	Nos	1
96	Command and control centre : Contact Centre Operators : Opex for 1 year	Nos	1
97	Command and control centre : Contact Centre Operators : Opex for 2 year	Nos	1
98	Command and control centre : Contact Centre Operators : Opex for 3 year	Nos	1
99	Command and control centre : Contact Centre Operators: Opex for 4 year	Nos	1
100	Command and control centre : Contact Centre Operators: Opex for 5 year	Nos	1

SI No	Item Name	Unit	Quantity
101	Command and control centre : L2 Switch (48 Ports) : Opex for 1 year	Nos	1
102	Command and control centre : L2 Switch (48 Ports) : Opex for 2 year	Nos	1
103	Command and control centre : L2 Switch (48 Ports) : Opex for 3 year	Nos	1
104	Command and control centre : L2 Switch (48 Ports): Opex for 4 year	Nos	1
105	Command and control centre : L2 Switch (48 Ports): Opex for 5 year	Nos	1
106	Command and control centre : MPLS Router : Opex for 1 year	Nos	1
107	Command and control centre : MPLS Router : Opex for 2 year	Nos	1
108	Command and control centre : MPLS Router : Opex for 3 year	Nos	1
109	Command and control centre : MPLS Router: Opex for 4 year	Nos	1
110	Command and control centre : MPLS Router: Opex for 5 year	Nos	1
111	Command and control centre : Networking/IT Racks : Opex for 1 year	Nos	1
112	Command and control centre : Networking/IT Racks : Opex for 2 year	Nos	1
113	Command and control centre : Networking/IT Racks : Opex for 3 year	Nos	1
114	Command and control centre : Networking/IT Racks: Opex for 4 year	Nos	1
115	Command and control centre : Networking/IT Racks: Opex for 5 year	Nos	1
116	Command and control centre : Core Switch/ Data Center Switch : Opex for 1 year	Nos	1
117	Command and control centre : Core Switch/ Data Center Switch : Opex for 2 year	Nos	1
118	Command and control centre : Core Switch/ Data Center Switch : Opex for 3 year	Nos	1
119	Command and control centre : Core Switch/ Data Center Switch: Opex for 4 year	Nos	1
120	Command and control centre : Core Switch/ Data Center Switch: Opex for 5 year	Nos	1
121	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID : Opex for 1 year	Nos	1
122	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID : Opex for 2 year	Nos	1
123	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID : Opex for 3 year	Nos	1
124	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID : Opex for 4 year	Nos	1
125	ICT based solid waste management : RFID Tagging and Bin Level Sensors : Door to Door RFID : Opex for 5 year	Nos	1
126	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers : Opex for 1 year	Nos	1
127	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers : Opex for 2 year	Nos	1
128	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers : Opex for 3 year	Nos	1
129	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers: Opex for 4 year	Nos	1
130	ICT based solid waste management :RFID Tagging and Bin Level Sensors : RFID Readers: Opex for 5 year	Nos	1
131	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers : Opex for 1 year	Nos	1



SI No	Item Name	Unit	Quantity
132	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers : Opex for 2 year	Nos	1
133	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers : Opex for 3 year	Nos	1
134	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers: Opex for 4 year	Nos	1
135	ICT based solid waste management :RFID Tagging and Bin Level Sensors : GPS Trackers: Opex for 5 year	Nos	1
136	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ) : Opex for 1 year	Nos	1
137	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ) : Opex for 2 year	Nos	1
138	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ) : Opex for 3 year	Nos	1
139	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ): Opex for 4 year	Nos	1
140	ICT based solid waste management :RFID Tagging and Bin Level Sensors : CCTV Cameras (PTZ): Opex for 5 year	Nos	1
141	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles) : Opex for 1 year	Nos	1
142	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles) : Opex for 2 year	Nos	1
143	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles) : Opex for 3 year	Nos	1
144	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles): Opex for 4 year	Nos	1
145	ICT based solid waste management :RFID Tagging and Bin Level Sensors : Fuel Sensors (only for HDMC vehicles): Opex for 5 year	Nos	1
146	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible : Opex for 1 year	Nos	1
147	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible : Opex for 2 year	Nos	1
148	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible : Opex for 3 year	Nos	1
149	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible: Opex for 4 year	Nos	1
150	ICT based solid waste management : Application Development and Geocoding: Software Application (Web/Mobile compatible: Opex for 5 year	Nos	1
151	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution : Opex for 1 year	Nos	1
152	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution : Opex for 2 year	Nos	1
153	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution : Opex for 3 year	Nos	1

SI No	Item Name	Unit	Quantity
154	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution : Opex for 4 year	Nos	1
155	ICT based solid waste management : Application Development and Geocoding: Development, Customization, Integration of integrated SWM solution : Opex for 5 year	Nos	1
156	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins) : Opex for 1 year	Nos	1
157	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins) : Opex for 2 year	Nos	1
158	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins) : Opex for 3 year	Nos	1
159	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins): Opex for 4 year	Nos	1
160	ICT based solid waste management : Application Development and Geocoding: Geocoding / Geofencing / Survey of sites (Offices / dumping grounds / stations / bins): Opex for 5 year	Nos	1
161	ICT based solid waste management : Training of Users including documentation/ Capacity Building : Opex for 1 year	Nos	1
162	ICT based solid waste management : Training of Users including documentation/ Capacity Building : Opex for 2 year	Nos	1
163	ICT based solid waste management : Training of Users including documentation/ Capacity Building : Opex for 3 year	Nos	1
164	ICT based solid waste management : Training of Users including documentation/ Capacity Building: Opex for 4 year	Nos	1
165	ICT based solid waste management : Training of Users including documentation/ Capacity Building: Opex for 5 year	Nos	1
166	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP : Opex for 1 year	Nos	1
167	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP : Opex for 2 year	Nos	1
168	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP : Opex for 3 year	Nos	1
169	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP: Opex for 4 year	Nos	1
170	ICT based solid waste management : Cam Connectivity for SWM Network connectivity from SWM cameras to PoP: Opex for 5 year	Nos	1
171	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS : Opex for 1 year	Nos	1
172	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS : Opex for 2 year	Nos	1
173	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS : Opex for 3 year	Nos	1

SI No	Item Name	Unit	Quantity
174	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS: Opex for 4 year	Nos	1
175	ICT based solid waste management : Cam Connectivity for SWM Network connectivity to ICCC of 480 MBPS: Opex for 5 year	Nos	1
176	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras : Opex for 1 year	Nos	1
177	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras : Opex for 2 year	Nos	1
178	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras : Opex for 3 year	Nos	1
179	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras : Opex for 4 year	Nos	1
180	ICT Intervention in ABD areas : Junction ImprovementCCTV Cameras : Opex for 5 year	Nos	1
181	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP : Opex for 1 year	Nos	1
182	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP : Opex for 2 year	Nos	1
183	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP : Opex for 3 year	Nos	1
184	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP: Opex for 4 year	Nos	1
185	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity from SWM cameras to PoP: Opex for 5 year	Nos	1
186	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps) : Opex for 1 year	Nos	1
187	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps) : Opex for 2 year	Nos	1
188	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps) : Opex for 3 year	Nos	1
189	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps): Opex for 4 year	Nos	1
190	ICT Intervention in ABD areas : Junction ImprovementNetwork connectivity to ICCC (48 mbps): Opex for 5 year	Nos	1
191	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras : Opex for 1 year	Nos	1
192	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras : Opex for 2 year	Nos	1
193	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras : Opex for 3 year	Nos	1
194	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras : Opex for 4 year	Nos	1
195	ICT Intervention in ABD areas :Nehru Stadium :CCTV Cameras : Opex for 5 year	Nos	1
196	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP : Opex for 1 year	Nos	1

SI No	Item Name	Unit	Quantity
197	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP : Opex for 2 year	Nos	1
198	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP : Opex for 3 year	Nos	1
199	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP: Opex for 4 year	Nos	1
200	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity from SWM cameras to PoP: Opex for 5 year	Nos	1
201	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICC (60 MBPS) : Opex for 1 year	Nos	1
202	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICC (60 MBPS) : Opex for 2 year	Nos	1
203	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICC (60 MBPS) : Opex for 3 year	Nos	1
204	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICC (60 MBPS): Opex for 4 year	Nos	1
205	ICT Intervention in ABD areas :Nehru Stadium :Network connectivity to ICC (60 MBPS): Opex for 5 year	Nos	1
206	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras : Opex for 1 year	Nos	1
207	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras : Opex for 2 year	Nos	1
208	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras : Opex for 3 year	Nos	1
209	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras : Opex for 4 year	Nos	1
210	ICT Intervention in ABD areas : Lakefront Development : CCTV Cameras : Opex for 5 year	Nos	1
211	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP : Opex for 1 year	Nos	1
212	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP : Opex for 2 year	Nos	1
213	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP : Opex for 3 year	Nos	1
214	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP: Opex for 4 year	Nos	1
215	ICT Intervention in ABD areas : Lakefront Development : Network connectivity from SWM cameras to PoP: Opex for 5 year	Nos	1
216	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICC (60 MBPS) : Opex for 1 year	Nos	1
217	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICC (60 MBPS) : Opex for 2 year	Nos	1
218	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICC (60 MBPS) : Opex for 3 year	Nos	1
219	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICC (60 MBPS): Opex for 4 year	Nos	1

SI No	Item Name	Unit	Quantity
220	ICT Intervention in ABD areas : Lakefront Development : Network connectivity to ICCC (60 MBPS): Opex for 5 year	Nos	1
221	ICT Intervention in ABD areas : MG Park: CCTV Cameras : Opex for 1 year	Nos	1
222	ICT Intervention in ABD areas : MG Park: CCTV Cameras : Opex for 2 year	Nos	1
223	ICT Intervention in ABD areas : MG Park: CCTV Cameras : Opex for 3 year	Nos	1
224	ICT Intervention in ABD areas : MG Park: CCTV Cameras : Opex for 4 year	Nos	1
225	ICT Intervention in ABD areas : MG Park: CCTV Cameras : Opex for 5 year	Nos	1
226	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP : Opex for 1 year	Nos	1
227	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP : Opex for 2 year	Nos	1
228	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP : Opex for 3 year	Nos	1
229	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP: Opex for 4 year	Nos	1
230	ICT Intervention in ABD areas : MG Park: Network connectivity from SWM cameras to PoP: Opex for 5 year	Nos	1
231	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS) : Opex for 1 year	Nos	1
232	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS) : Opex for 2 year	Nos	1
233	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS) : Opex for 3 year	Nos	1
234	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS): Opex for 4 year	Nos	1
235	ICT Intervention in ABD areas : MG Park: Network connectivity to ICCC 48 (MBPS): Opex for 5 year	Nos	1
236	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers : Opex for 1 year	Nos	1
237	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers : Opex for 2 year	Nos	1
238	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers : Opex for 3 year	Nos	1
239	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers : Opex for 4 year	Nos	1
240	Fire and Emergency Management ;Vehicle Tracking ; GPS Trackers : Opex for 5 year	Nos	1
241	Operating System and Databased at Data Centre for Hosting - Operating System –Windows :Opex for 1 year	Job	1
242	Operating System and Databased at Data Centre for Hosting - Operating System –Windows :Opex for 2 year	Job	1
243	Operating System and Databased at Data Centre for Hosting - Operating System –Windows :Opex for 3 year	Job	1
244	Operating System and Databased at Data Centre for Hosting - Operating System –Windows :Opex for 4 year	Job	1
245	Operating System and Databased at Data Centre for Hosting - Operating System –Windows :Opex for 5 year	Job	1

SI No	Item Name	Unit	Quantity
246	Operating System and Databased at Data Centre for Hosting - Operating System –Open source :Opex for 1 year	Job	1
247	Operating System and Databased at Data Centre for Hosting - Operating System –Open source :Opex for 2 year	Job	1
248	Operating System and Databased at Data Centre for Hosting - Operating System –Open source :Opex for 3 year	Job	1
249	Operating System and Databased at Data Centre for Hosting - Operating System –Open source :Opex for 4 year	Job	1
250	Operating System and Databased at Data Centre for Hosting - Operating System –Open source :Opex for 5 year	Job	1
251	Operating System and Databased at Data Centre for Hosting - JBoss :Opex for 1 year	Job	1
252	Operating System and Databased at Data Centre for Hosting - JBoss :Opex for 2 year	Job	1
253	Operating System and Databased at Data Centre for Hosting - JBoss :Opex for 3 year	Job	1
254	Operating System and Databased at Data Centre for Hosting - JBoss :Opex for 4 year	Job	1
255	Operating System and Databased at Data Centre for Hosting - JBoss :Opex for 5 year	Job	1
256	Operating System and Databased at Data Centre for Hosting - Data Base :Opex for 1 year	Job	1
257	Operating System and Databased at Data Centre for Hosting - Data Base :Opex for 2 year	Job	1
258	Operating System and Databased at Data Centre for Hosting - Data Base :Opex for 3 year	Job	1
259	Operating System and Databased at Data Centre for Hosting - Data Base :Opex for 4 year	Job	1
260	Operating System and Databased at Data Centre for Hosting - Data Base :Opex for 5 year	Job	1
261	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows :Opex for 1 year	Job	1
262	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows :Opex for 2 year	Job	1
263	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows :Opex for 3 year	Job	1
264	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows :Opex for 4 year	Job	1
265	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Windows :Opex for 5 year	Job	1
266	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source :Opex for 1 year	Job	1
267	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source :Opex for 2 year	Job	1
268	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source :Opex for 3 year	Job	1

SI No	Item Name	Unit	Quantity
269	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source :Opex for 4 year	Job	1
270	Operating System and Databased at Disaster Recovery for Hosting - Operating System –Open source :Opex for 5 year	Job	1
271	Operating System and Databased at Disaster Recovery for Hosting - JBoss :Opex for 1 year	Job	1
272	Operating System and Databased at Disaster Recovery for Hosting - JBoss :Opex for 2 year	Job	1
273	Operating System and Databased at Disaster Recovery for Hosting - JBoss :Opex for 3 year	Job	1
274	Operating System and Databased at Disaster Recovery for Hosting - JBoss :Opex for 4 year	Job	1
275	Operating System and Databased at Disaster Recovery for Hosting - JBoss :Opex for 5 year	Job	1
276	Operating System and Databased at Disaster Recovery for Hosting - Data Base :Opex for 1 year	Job	1
277	Operating System and Databased at Disaster Recovery for Hosting - Data Base :Opex for 2 year	Job	1
278	Operating System and Databased at Disaster Recovery for Hosting - Data Base :Opex for 3 year	Job	1
279	Operating System and Databased at Disaster Recovery for Hosting - Data Base :Opex for 4 year	Job	1
280	Operating System and Databased at Disaster Recovery for Hosting - Data Base :Opex for 5 year	Job	1
281	Others - Opex for first year	Job	1
282	Others - Opex for second year	Job	1
283	Others - Opex for third year	Job	1
284	Others - Opex for fourth year	Job	1
285	Others - Opex for fifth year	Job	1

The list of items indicated here under is indicative. The Bidders shall consider any additional line items with adequate details and pricing information in the table below, that may be required to fulfill the project requirements and functionality in totality.

- In order to equitably compare different AMC charges for different years, NPV (Net Present Value) would be used at a rate of discounting (rd) to bring the AMC cost at the same footing in the assessment of Grand Total price.

- Bidders shall quote AMC cost for Hardware  
equipment from 4<sup>th</sup> year onwards, considering the capex price quoted shall cover warranty for all the Hardware equipment for the first 3 years (year-1 to year-3).

- Bidders shall quote O&M support cost for all the 5 years from the date of Go Live

(Available in e-Procurement Portal, shall be quoted in price schedule on e-portal only):





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**9. Annexure 7(a) – Performance Bank Guarantee**

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

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

<Name>

<Designation>

<Address><Phone 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 [Authority] (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 sums 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 suppliers such a bank guarantee.

Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, upto a total of Rs. <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 limit of Rs. <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 sums 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 anyway 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 Rs. <Insert Value> (Rupees <Insert Value in Words> only).

II. This bank guarantee shall be valid upto <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)

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## 10. Annexure 7(b) – Bank Guarantee for Earnest Money Deposit

To,

<Name>  
<Designation>  
<Address>  
<Phone Nos.>  
<Fax Nos.>  
<Email id>

Whereas <<Name of the bidder>> (hereinafter called 'the Master 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 Rs. <<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 shortlisted;

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 Rs. <<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:

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## 11. Annexure 8 – 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. <<>> date d<<DD-MM-2015>> “**Request for Proposal for Selection of {Name of the Project}**” (hereinafter called the said ‘RFP’) to the “[*Authority*]”, 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, representation, 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 herein above 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

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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 fallsuch information.

Therefore, the Bidders 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 Bidders 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 Bidders 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 Bidders 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 at any time during its currency, at the request of the Authority, the Bidders 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 Bidders 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 Bidders 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. Bidders 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)

Authorized Signatory  
Office Seal: Name:  
Place:  
Designation:  
Date:

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## 12. Annexure9-ConsortiumMoU Format

DRAFT MEMORANDUM OF UNDERSTANDING EXECUTED BY MEMBERS OF THE CONSORTIUM

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

This Memorandum of Understanding (MoU) entered into this day of [Date] [Month] 2018 at [Place] among \_\_\_\_\_ (hereinafter referred to as "") and having office at [Address], India, as Party of the First Part and \_\_\_\_\_ (hereinafter referred to as "") and having office at [Address], as Party of the Second Part and \_\_\_\_\_

(Hereinafter referred to as "\_\_\_\_") and having office at [Address], as Party of the Third Part.

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

WHEREAS IT, Govt. of [State] has issued a Request for Proposal dated [Date] (RFP) from the Applicant s interested in **Request for Proposal for {Name of the Project}**.

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:

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 {Name of the Project}**" as a Consortium.
- Sign Contract in case of award.
- 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 {Name of the Project}**" for and related execution work to be performed pursuant to the Contract and shall not extend to any other activities.

The Parties shall be jointly and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract.

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(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:  
To ensure the technical, commercial and administrative co-ordination of the work package  
To lead the contract negotiations of the work package with the Authority.  
The Lead partner is authorized to receive instructions and incur liabilities for and on behalf of all Parties.  
In case of an award, act as channel of communication between the Authority and the Parties to execute the Contract

That the Parties shall carry out all responsibilities as Developer in terms of the Project Agreement.

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That the broad roles and the responsibilities of each Party at each stage of the Biddings shall be as below:

Party A: \_\_\_\_\_

Party B: \_\_\_\_\_

Party C: \_\_\_\_\_

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.

That this MoU shall be governed in accordance with the laws of India and courts in *[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 to be 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:

\_\_\_\_\_

\_\_\_\_\_

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**13. Annexure 10 - 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 authorize 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.

**(Add in the case of a Consortium)**

Our firm is a Member or Lead bidder of the Consortium of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2018

(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

Witness1:      Witness2:

*Notes:*

To be executed by all the members individually.

*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.*

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**14. Annexure 11 - Format for Power of Attorney for Lead bidder of Consortium**

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

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

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

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

NOW THIS POWER OF ATTORNEY WITNESSETH THAT

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

being the member of the Consortium, as the lead member of the Consortium, to do on behalf \_\_\_\_\_ of \_\_\_\_\_ the Consortium, all or any of the acts, deeds or things necessary or incidental to the Consortium's RFP response for the Project, including submission of the RFP response, participating in meetings, responding to queries, submission of information or documents and generally to represent the Consortium in all its dealings with 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.

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2018

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(Signature)

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

Witness 1 Witness 2 Witness 3

*Notes:*



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

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

**15. Annexure 12: Format of Agreement between Bidder and their parent company / subsidiary / Sister Concern Company (As the case may be)**

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

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

**WHEREAS**

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

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

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

In witness whereof the parties hereto have executed this agreement on the date mentioned

above.

<p>For and on behalf of _____ (Bidder)</p> <p>Signature:</p> <p>Name:</p> <p>Designation:</p> <p><b>Witness 1:</b></p> <p>Signature:</p> <p>Full name:</p> <p>Address:</p> <p><b>Witness 2:</b></p> <p>Signature:</p> <p>Full name:</p> <p>Address:</p>	<p>For and on behalf of _____ (Parent/subsidiary/sister concern company)</p> <p>Signature:</p> <p>Name:</p> <p>Designation:</p> <p><b>Witness 1:</b></p> <p>Signature:</p> <p>Full name:</p> <p>Address:</p> <p><b>Witness 2:</b></p> <p>Signature:</p> <p>Full name:</p> <p>Address:</p>
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**16. Annexure 13: Format of Parent company / Subsidiary / Sister Concern Company Guarantee**

(As the case may be)

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

**DEED OF GUARANTEE**

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

**WHEREAS**

Hubballi – Dharwad Smart City Limited, a statutory body under \_\_\_\_\_, having its Registered Office at \_\_\_\_\_, hereinafter called “HDSCL” which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number ..... for ..... on .....

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

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

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

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

1. The Guarantor (Parent Company / 100% Subsidiary Company/ Sister Concern (Delete whichever not applicable) unconditionally agrees that in case of non-performance by the

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Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by HDSCL, take up the job without any demur or objection, in continuation and without loss of time and without any cost to HDSCL and duly perform the obligations of the Company to the satisfaction of HDSCL.

2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.
3. The Guarantor shall be jointly with the Company and also severally responsible for satisfactory performance of the contract entered between the Company and HDSCL.
4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Company and HDSCL. This will, however, be in addition to the forfeiture of the Performance Bank Guarantee furnished by the Company.
5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.
6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of Hubballi - Dharwad, Karnataka.
7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
8. The Guarantor hereby agrees that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between HDSCL and the Bidder Company shall in any way release Guarantor from any liability under this guarantee and Guarantor hereby waive notice of any such change, addition or modification.
9. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

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

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

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

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

Common seal of the guarantor company:

**Witness 1:**

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

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

Address: \_\_\_\_\_

**Witness 2:**

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

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

Address: \_\_\_\_\_

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

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

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