

GREATER VISAKHAPATNAM SMART CITY CORPORATION LIMITED,  
VISAKHAPATNAM

# Request For Proposal for Selection of System Integrator to Implement Smart City Solutions

Volume 1: Instruction to Bidders

## Important Dates

S. No.	Activity	Deadline
1	Release of RFP	07/12/ 2016
2	Last date of receipt of queries on RFP	20/12/2016
3	Pre-bid Meeting date	22/12/2016
4	Posting of response to queries	30/12/2016
5	Last date for submission of Bids	20/01/2017
6	Date of opening of technical bids	21/01/2017
7	Date of opening of Commercial bids	To be notified later

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## 1. Introduction

### 1.1 About the Greater Visakhapatnam Smart City Corporation Limited

Visakhapatnam is Andhra Pradesh's largest city, both by population and economy. It has an international airport, and India's fifth busiest sea port. It is also a popular tourist destination. The city is an industrial hub, with a host of SEZs, and is one of the world's fastest growing -population-wise -city. Visakhapatnam, popularly known as Vizag is a multi-faceted city located in south east India. It has a civic body as Greater Visakhapatnam Municipal Corporation (GVMC) consisting of 72 municipal wards, Anakapalli and Bheemli. GVMC functions with Commissioner as Head and organized under different subheads.

City of Visakhapatnam participated in the Smart City Challenge (Phase 1) and is one (ranked 8th) of the 20 shortlisted cities by MoUD for implementing Smart City projects in round 1.

Special Purpose Vehicle (SPV) was incorporated with the name "Greater Visakhapatnam Smart City Corporation Limited" on 11th March 2016.

### 1.2 Introduction to Greater Visakhapatnam Smart city Project

The Government of India has recently announced creation of 100 Smart cities to drive economic growth and improve the quality of life of people by enabling local development and harnessing technology as a means to create smart outcomes for citizens. Visakhapatnam is one of the shortlisted cities for the smart city initiative under Ministry of Urban Development, Government of India.

The smart city proposal of Vizag includes several Pan City and Area Based Development initiatives with a focus on both infrastructure and ICT advancements across the city and at strategic locations. The strategic focus of the city has been identified to improve mobility, improve situational awareness, enhance public safety and security, and introduce data driven decision making.

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

- Improved management of utilities and quantification of services
- Improved Disaster Management and Emergency Response System
- Enhanced traffic enforcement
- Enhanced safety and security
- Real time asset management

- Unified operations through integration of urban functions offered by the city administration

Greater Visakhapatnam Smart City Project envisages deployment of following components to achieve the objectives:

- Deployment of various sensors (cameras, traffic violation, environment and weather sensors) throughout the city to improve situational awareness
- Development of a robust ERP system to optimize internal operations and enhance citizen delivery
- Development of an integration platform which will facilitate exchange and aggregation of data irrespective of underlying technology platform of application
- Development of command and communication center for improved visualization of ambient situation in the city and facilitation of data driven decision making

### 1.3 RFP Format

The intent of this RFP is to invite bids from the Bidders for implementation of an integrated solution for the Authority.

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 & financial forms.

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

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

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

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

## 1.4. Fact sheet

SI #	Item	Description
1.	Method of Selection	The method of selection is QCBS – Quality cum Cost based Selection. The Contract will be awarded to the bidder with highest Total Score.
2.	Availability of RFP Documents	Download from <a href="http://www.apecurement.gov.in">www.apecurement.gov.in</a> (use Internet Explorer only)
3.	Date of RFP Issuance	07/12/2016
4.	Tender document fee (Non-refundable and Not – exempted)	Indian Rupees 25,000 (Indian Rupees Twenty Five Thousand only)
5.	Bid Security/Earnest Money Deposit (EMD)	Indian Rupees 1.5 Crores (Indian Rupees One Crore Fifty Lakhs only) by Bank Guarantee (as per format attached in Annexure 5(b) )
6.	Last date and time for Submission of Pre-Bid Queries	20/12/2016, [1430 HRS]
7.	Pre-Bid Conference time, date, & venue	[1100 HRS], 22./12/2016, Office of Managing director, GVSCCL, C/O Greater Visakhapatnam Municipal Corporation, Asilmetta, Visakhapatnam
8.	Posting of responses to queries (on website)	<a href="http://www.apecurement.gov.in">www.apecurement.gov.in</a>
9.	Last Date and time for Bid submission (On or before)	20/01/2017, [1700 HRS]
10.	Date, time for opening of Pre-Qualification Bids	21/01/2017, [14.30 HRS]
11.	Bid validity	Bid must remain valid up to 180 (One Hundred & Eighty) days from the actual date of submission of the Bid.
12.	Currency	Currency in which the Bidders may quote the price will receive payment is Indian Rupees only.



SI #	Item	Description
13.	Name and Address for Correspondence	Greater Visakhapatnam Smart City Corporation Limited, Visakhapatnam

### 1.5 Definitions/Acronyms

Terms	Meaning
BOM	Bill of Material
BEC	Bidders 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
Indian Rupees	Indian Rupee
Lol	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
SI	System Integrator
SLA	Service Level Agreement
SOP	Standard Operating Procedures
TQ	Technical Qualification
UAT	User Acceptance Testing
VM	Virtual Machine
WSP	Wi-Fi Service Provider
TRV	Total Revenue

Terms	Meaning
APSFL	Andhra Pradesh State Fiber Corporation Limited
CCTNS	Crime & Criminal Tracking Network & Systems
ERP	Enterprise Resource Planning
O&M	Operations & Maintenance
Authority	Greater Visakhapatnam Smart City Corporation 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 on the basis of this RFP.
- c. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of Authority. Any notification of preferred bidder status by Authority shall not give rise to any enforceable rights by the Bidder. Authority may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of Authority.
- d. Sealed bids shall be received by the Authority on the e-Procurement portal [www.apecurement.gov.in](http://www.apecurement.gov.in) before the time and date specified in the schedule of the tender notice. In the event of the specified date for the submission of tender offers being declared a public holiday by the Government of Andhra Pradesh, the offers will be received up to the appointed time on the next working day. The Authority may, at its discretion, extend this deadline for submission of offers by issuing corrigendum and uploading the same on e-Procurement portal.
- e. The bidder shall submit within 3 days of online submission, complete proposal (excluding Commercial bid) in the hard copy format to authority signed by the authorized signatory of bidder, which should match with the bid submitted online.
- f. Telex, cable or facsimile offers will be rejected.

### 2.2 Eligible Bidders

Sole Bidder	<ul style="list-style-type: none"> <li>• Should be registered in India under Companies Act 1956/2013 or as amended</li> <li>• Should have System Integration capabilities to execute the entire project as per the RFP</li> </ul>
Consortium #	<ul style="list-style-type: none"> <li>• Max 3 companies are allowed in a consortium</li> <li>• One of the consortium member should lead the consortium and should be registered in India under Companies Act 1956/2013 or as amended</li> <li>• All the consortium members are equally responsible and jointly &amp; severally liable under this RFP for</li> </ul>

	<ul style="list-style-type: none"> <li>○ The delivery of products &amp; services</li> <li>○ Successful completion of this entire Project</li> <li>○ Meeting the SLAs</li> <li>· Other consortium members either should be registered in India under Companies Act 1956/2013 or as amended or Registered Abroad under any other suitable Act</li> </ul>
<p># In case of consortium, the list of participants need to be declared          Consortium members cannot be changed during the project period.          If any of bidders/members of one consortium becomes members of the other consortium, both the consortiums will be disqualified.</p>	

The Lead Bidder shall be authorized by the consortium members for

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

### 2.3 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.
  - iii. Comply with all requirements as set out within this RFP.

### 2.4 Bidder to Inform

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

## 2.5 Bid Preparation costs

The 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, along with name and details of the organisation submitting the queries.

Authority shall not be responsible for ensuring that the bidders' queries have been received by them. Any requests for clarifications post the indicated date and time shall not be entertained by Authority.

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

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

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 date and time of submission of queries.

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

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

## 2.7 RFP Document Fee

RFP can be downloaded from the website URL mentioned in the fact sheet.

Tender Fee of Indian Rupees 25,000/- (Rupees Twenty Five Thousand) shall be paid online through e-Procurement portal. The tender fee shall be non-refundable.

Without the payment of tender fee the bids will be taken as incomplete and non-responsive and shall not be considered.

## 2.8 Earnest Money Deposit (EMD)

EMD of Indian Rupees 1.5 Crore (Rupees One Crore Fifty Lakh) shall be through a Bank Guarantee from a nationalized bank in India. No exemption for submitting the EMD will be given to any agency. Bid security in any other form will not be entertained.

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

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

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

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

- a. If a bidder withdraws its bid during the period of bid validity.
- b. 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 mentioned in the Fact Sheet.

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 bids system shall be followed. Technical and Commercial Offers shall be uploaded separately through the e - Procurement portal.

Document Set	Name of Document	Content
One	RFP Document fee & Bid Security/Earnest Money Deposit (EMD)	<ol style="list-style-type: none"> <li>a. RFP Document Fee receipt</li> <li>b. Bid Security/Earnest Money Deposit (EMD) receipt</li> </ol>

Document Set	Name of Document	Content
Two	Pre-Qualification Bid	<ul style="list-style-type: none"> <li>a. Pre-Qualification bid as per Section 6.1 and 6.2 along with the required supporting documents.</li> <li>b. No Deviation Certificate as per Section 6.5</li> <li>c. Total Responsibility declaration as per Section 6.6</li> </ul>
Three	Technical bid	<ul style="list-style-type: none"> <li>a. Technical Bid</li> </ul>
Four	Commercial bid	<ul style="list-style-type: none"> <li>a. Commercial bid</li> </ul>

- a. Please note that Prices should NOT be indicated in the Technical Bid but should only be indicated in the Commercial Bid.
- b. All the pages of the bid must be sequentially numbered. The bid documents must contain in the beginning of the document, a list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid.
- c. The original bid shall be prepared in indelible ink. It shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidder itself. Any such corrections must be initialed by the person (or persons) who sign(s) the bids.
- d. All pages of the bid shall be initialed and stamped by the person (or persons) who sign the bid.
- e. Failure to submit the bid before the submission deadline specified in the Fact Sheet would cause a bid to be rejected.
- g. Authority will not accept delivery of bid by fax, e-mail or in person.

## 2.11 Bid Formats

### 2.11.1 Pre-Qualification Bid Format

Section #	Section Heading	Details
1.	Pre-qualification checklist	As per format provided in section 6.1
2.	Pre-Qualification Bid Covering Letter	As per format provided in section 6.2
3.	Consortium Agreement	As per format provided in Annexure 7 of this Volume

Section #	Section Heading	Details
4.	About Bidder	As per format provided in section 6.3 of this document.
5.	Bidder/Consortium Registration	<ul style="list-style-type: none"> <li>• Certificate of Incorporation / Registration under companies Act, 1956/2013 or any suitable Act abroad</li> <li>• Consortium agreement clearly stating the roles and responsibilities of each member</li> </ul> <p><i>As per Pre-qualification criteria – SI # 1</i></p>
6.	Annual Turnover	<p>Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years</p> <p><i>As per Pre-qualification criteria – SI # 2</i></p>
7.	Net worth	<p>Certificate from the Statutory auditor / CA clearly specifying the net worth of the firm</p> <p><i>As per Pre-qualification criteria – SI # 3</i></p>
8.	Turnover of Bidder/Consortium from relevant scope of the RFP	<p>Certificate from the Statutory Auditor / CA clearly specifying the annual turnover from Smart Elements projects for the specified years.</p> <p>Proof of the projects undertaken (work order &amp; partial/ final financial completion certificate from client)</p> <p><i>As per Pre-qualification criteria – SI # 4</i></p>
9.	Turnover of each of the consortium members (other than the prime bidder) from relevant scope of the RFP	<p>Certificate from the Statutory Auditor / CA clearly specifying the annual turnover from Smart Elements projects for the specified years.</p> <p><i>As per Pre-qualification criteria – SI # 4</i></p>
10.	Undertaking for non- blacklisting clause	<p>Undertaking by the authorized signatory as per format</p> <p><i>As per Pre-qualification criteria – SI # 5</i></p>
11.	Bidder Certifications	<p>Copies of valid certificates in the name of the sole bidder or the Lead bidder in case of a Consortium</p> <p><i>As per Pre-qualification criteria – SI # 6</i></p>
12.	Power of Attorney	Documentary evidence as per format provided in Annexure 8 and 9
13.	Project Experience	Citation details of projects as per format in Section 7.4 and 6.7 as applicable.
14.	No Deviation Certificate	As per format provided in section 6.5
15.	Total responsibility certificate	As per format in 6.6



## 2.11.2 Technical Bid Format

Section #	Section Heading	Details
1.	Technical Bid Checklist	As per format provided in section 7.1
2.	Technical Bid Covering Letter	As per format provided in Section 7.2
3.	About Bidder	<ul style="list-style-type: none"> <li>· Details about bidder (whether sole bidder or Consortium )</li> <li>· Bidder's General Information as required in Technical Criteria 3.6&amp; 3.6.1</li> </ul>
4.	Approach & Methodology	Details as required in Technical Criteria 3.6& 3.6.1
5.	Solution proposed	Details as required in Technical Criteria 3.6& 3.6.1 Please refer to section 7.5.1.
6.	Project/credential summary	As per format provided in Section 7.3
7.	Bidder's Experience	Project citation as per format provided in section 7.4 and supporting documentary evidences and Self-certifications as per format in section 6.7 as Applicable
8.	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>
9.	Manufacturers'/Producers' Authorization Form	As per format provided in section 7.10
10.	Anti-Collusion Certificate	As per format provided in section 7.11
11.	Non-disclosure agreement	As per format provided in section 11 (Annexure 6)

### 2.11.3 Commercial Bid Format

The Bidder must submit the Commercial Bid in the formats specified in Section 8.

Section #	Section Heading	Details
1.	Total Price Summary	As per format provided in Section 8.1
2.	Price component for CAPEX	As per format provided in Section 8.2
3.	Price component for OPEX	As per format provided in Section 8.3

### 2.12 Language

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

### 2.13 Authentication of Bids

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

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

### 2.14 Amendment of Request for Proposal

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

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

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

#### 2.15 Bid Price

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

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

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

#### 2.16 Deviations and Exclusions

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

#### 2.17 Total Responsibility

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

#### 2.18 Late Bids

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

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

Authorities shall does not be responsible for delay in submission of any online submission related or website related issues and date of submission cannot be extended for such reasons

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

## 2.19 Right to Terminate the Process

Authority may terminate the RFP process at any time and without assigning any reason. Authority makes no commitments, express or implied, that this process will result in a business transaction with anyone. This RFP does not constitute an offer by Authority.

## 2.20 Non-Conforming bids

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

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

## 2.21 Acceptance/Rejection of Bids

- a. Authority reserves the right to reject in full or part, any or all bids without assigning any reason thereof. Authority reserves the right to assess the Bidder's capabilities and capacity. The decision of Authority shall be final and binding.
- b. Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested.

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

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

- a. If, in the price structure quoted for the required goods/services/works, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly.
- b. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- c. If there is a discrepancy between words and figures, the amount in words shall prevail.
- d. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of Authority, the bid is liable to be disqualified.

## 2.22 Confidentiality

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

## 2.23 Disqualification

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

- a. During validity of the bid, or its extended period, if any, the bidder changes its quoted prices.
- b. The bidder's bid is conditional and has deviations from the terms and conditions of RFP.
- c. Bid is received in incomplete form.
- d. Bid is not accompanied by all the requisite documents.
- e. Information submitted in technical bid is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period if any.
- f. Financial bid is enclosed with the same document as technical bid.
- g. Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
- h. In case any one party submits multiple bids or if common interests are found in two or more bidders, the bidders are likely to be disqualified, unless additional bids/bidders are withdrawn upon notice immediately
- i. If any of the Lead Bidders also partner in any other bid, then all the affected bids shall be disqualified.
- j. Bids without EMD will be disqualified

## 2.24 Key Personnel

Authority has identified certain key positions and minimum qualifications for each of the positions that should be part of project team of the bidder (hereby referred to as "key personnel"). Details of these key positions are provided in Section 3.6.1

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

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

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

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

#### 2.24.2 Evaluations

Bidder shall carry out an evaluation of the performance of each member of the Key Personnel in connection with the 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 entitled to provide inputs to the bidder for each such evaluation. Bidder shall promptly provide the results of each evaluation to Authority, subject to Applicable Law.

#### 2.24.3 Replacement

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

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

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

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

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

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

The bidder needs to ensure at least 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.

### 2.24.3 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.

### 2.25 Fraud and Corrupt Practices

- a. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFP, Authority shall reject a Bid without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, Authority shall, without prejudice to its any other rights or remedies, forfeit and appropriate the EMD or PBG, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to Authority for, inter alia, time, cost and effort of Authority, in regard to the RFP, including consideration and evaluation of such Bidder's Bid.
- b. Without prejudice to the rights of Authority under Clause above and the rights and remedies which Authority may have under the LOI or the Agreement, if a Bidder is found by Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOI or the execution of the Agreement, such Bidder shall not be eligible to participate in any tender or RFP issued by

Authority during a period of 3 years from the date such Bidder is found by Authority to have directly or through an agent, engaged or indulged in any Prohibited Practices.

- c. For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:
  - i. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of Authority who is or has been associated in any manner, directly or indirectly with the Selection Process or the LOI or has dealt with matters concerning the Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of Authority, shall be deemed to constitute influencing the actions of a person connected with the Selection Process); or (ii) save as provided herein, engaging in any manner whatsoever, whether during the Selection Process or after the issue of the LOA or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the Award or the Agreement, who at any time has been or is a legal, financial or technical consultant/adviser of Authority in relation to any matter concerning the Project;
  - ii. "fraudulent practice" means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
  - iii. "coercive practice" means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person's participation or action in the Selection Process;
  - iv. "undesirable practice" means (i) establishing contact with any person connected with or employed or engaged by Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and
  - v. "restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Selection Process.

## 2.26 Conflict of Interest

- a. A bidder shall not have a conflict of interest that may affect the Selection Process or the Solution delivery (the "Conflict of Interest"). Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, Authority shall forfeit and appropriate the EMD, if available, as mutually agreed genuine pre-estimated compensation and damages payable to Authority for, inter alia, the time, cost and effort of Authority including consideration of such Bidder's Bid, without prejudice to any other right or remedy that may be available to Authority hereunder or otherwise.



- b. Authority requires that the bidder provides solutions which at all times hold Authority's interests paramount, avoid conflicts with other assignments or its own interests, and act without any consideration for future work. The bidder shall not accept or engage in any assignment that would be in conflict with its prior or current obligations to other clients, or that may place it in a position of not being able to carry out the assignment in the best interests of Authority.

## 2.27 Sub-Contracting

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

- Cabling and fixtures work, and all civil work during implementation.
- Facility Management Staff at Command & Communications Center.

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

## 2.28 Inclusion of MSMEs in Project Delivery

Bidders are encouraged to include Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project. Bidders should earmark a minimum of 20 % of the total contract for procuring goods and services from MSEs. Activities that can be sub-contracted to MSME/MSE partners are restricted to those defined under Sub-Contracting Clause 2.27 above.

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

- a. For purposes of this Clause, the term "goods" includes commodities, raw material, machinery, equipment, and industrial plants; and "related services" includes services such as insurance, transportation, supply, installation, integration, testing, commissioning, training, and initial maintenance.
- b. OEM selection criteria is as follows.

Component	Proposed selection criteria for the Project
Surveillance Cameras *	<ul style="list-style-type: none"> <li>· Minimum installation base of 50,000 IP based cameras across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) of minimum 1000 IP based city/outdoor cameras each in last 3 years</li> <li>OR</li> <li>· From any of Top 10 OEM from Latest IHS World Report for Network</li> </ul>

Component	Proposed selection criteria for the Project
	Security Cameras, Report for Security Cameras & Report for Intelligent Cameras
Video Management System Software	<ul style="list-style-type: none"> <li>• Minimum installation base of 50 projects across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally, covering open public places) of minimum 1000 city/outdoor cameras each in last 3 years</li> </ul> OR <ul style="list-style-type: none"> <li>• From any of Top 10 OEM from Latest IHS World Report for Video Management Software</li> </ul>
ANPR Cameras and ANPR Solution	ANPR Camera <ul style="list-style-type: none"> <li>• Minimum installation base of 5,000 cameras across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) for supporting minimum 100 ANPR solutions in each in last 3 years</li> </ul> ANPR Solution <ul style="list-style-type: none"> <li>• Should have been operational for min. 50 ANPR cameras in City/outdoor CCTV Surveillance projects across India in last 3 years. Out of these projects at least one project should have min. 25 ANPR camera running on the offered ANPR solution.</li> </ul>
Other Analytics	<ul style="list-style-type: none"> <li>• Minimum installation base of 5,000 cameras across globe and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) of minimum 100 city/outdoor cameras each in last 3 years</li> </ul> OR <ul style="list-style-type: none"> <li>• From any of Top 10 OEM from Latest IHS World Report for Analytics</li> </ul>
Edge Level Switches	<ul style="list-style-type: none"> <li>• Minimum installation base of 5,000 switches across globe as on 31/03/2016 and Should have been operational for at least 2 City/outdoor CCTV Surveillance projects (globally) for supporting minimum 1000 city/outdoor cameras each in last 3 years</li> </ul> OR <ul style="list-style-type: none"> <li>• OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC / Similar organization's latest published report / presence in the latest Magic Quadrant by Gartner.</li> </ul>
Other Switches and routers	<ul style="list-style-type: none"> <li>• OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per: IDC / Similar organization's latest published report / presence in the latest Magic Quadrant by Gartner.</li> </ul>
Servers & Workstations	<ul style="list-style-type: none"> <li>• Minimum installation base of 5,000 servers/workstations across globe as on 31/03/2016 and Should have been operational for at least 2 CCTV Surveillance projects (globally) for supporting minimum 1000 cameras each in last 3 years</li> </ul> OR <ul style="list-style-type: none"> <li>• OEMs who are amongst the top 5 for world-wide market share in terms of revenue as per IDC / Similar organization's latest published report / presence in the latest Magic Quadrant by Gartner.</li> </ul>

NOTE: For above mentioned components registered service/support centre should be existing or established in India within 30 days of award of contract. The Bidder should submit an undertaking from the OEM to that effect.

\* During the Demonstration/Proof-of-Concept (PoC) at technical evaluation stage, the Technical Committee will give special attention to verify the quality, robustness and appropriateness of the proposed camera/other equipment for field scenario/conditions. If any brand / product are found un-suitable, Bidder may get dis-qualified or may be asked to replace the product with better brands meeting the tender requirements, without any change in commercial bid.

With regards to above table, OEMs will certify the installation base and the project experience. This certificate shall be issued through the Global Headquarters and attested by the Indian office. Authority shall verify the claim of OEMs by using publicly available reports like IDC, HIS etc, in case there is any doubt of gross negligence. Decision of Tendering Authority shall be final and binding upon the Bidder and OEM.

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

### 2.30 Right to vary quantity

- a. At the time of award of contract, the quantity of goods, works or services originally specified in the bidding documents may be increased. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.
- b. If the Authority does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, 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.

### 2.31 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.

## 2.32 Site Visit

- a. The Bidder may wish to visit and examine the site or sites and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.
- 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 fourteen (14) days. Alternatively, the Authority may organize a site visit or visits concurrently with the pre-bid meeting, as specified in the RFP. 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 to 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 bona fide representatives of the bidder firm, for attending the opening of bid.

There will be three bid-opening events

- a. Set **1** (RFP Document fee & Bid Security/EMD) and Set **2** (Pre-Qualification bid)
- b. Set **3** (Technical bid)
- c. Set **4** (Commercial bid)

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

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

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

The Commercial Bids of only those bidders will be opened who score equal to or more than 70% in Technical Evaluation.

### 3.2 Preliminary Examination of Bids

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

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

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

### 3.3 Clarification on Bids

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

### 3.4 Evaluation Process

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

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

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

The steps for evaluation are as follows:

#### 3.4.1 Stage 1: Pre-Qualification

- a. Authority shall validate the Set 1 "RFP Document fee & Bid Security/Earnest Money Deposit (EMD)".
- b. If the contents of the Set 1 are as per requirements, Authority shall open the "Pre-Qualification Bid". Each of the Pre-Qualification condition mentioned in Section 3.5 is

MANDATORY. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified.

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

- c. Technical and Financial bids for those bidders who don't pre-qualify will not be opened. Financial bid will not be opened for those bidders, who don't qualify the technical evaluation. Bid Security amount shall be returned for those who don't qualify the financial evaluation stage and after PBG is submitted by successful bidder.

#### 3.4.2 Stage 2: Technical Evaluation

- a. Set 3 "Technical bid" will be evaluated only for the bidders who succeed in Stage 1.
- b. Authority will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- c. The bidders' technical solutions proposed in the bid document shall be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in Section 3.6 & 3.6.1
- d. Bidders may be asked to give demonstration of the envisaged solution to Authority as per the demo scripts that shall be shared with the Bidders who qualify the Pre-Qualification Stage.
- e. Bidders should submit detailed – *"Approach & Methodology & Solutions proposed"*
- f. Each Technical Bid will be assigned a Technical Score out of a maximum of 100 points. Only the bidders who get Technical Score of more than or equal to 70% in Technical Evaluation will qualify for Commercial Evaluation stage.

#### 3.4.3 Stage 3: Commercial Evaluation

- a. All the technically qualified bidders will be notified to participate in Commercial Bid opening process.
- b. The commercial bids for the technically qualified bidders shall then be opened on the notified date and time and reviewed to determine whether the commercial bids are

substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.

- c. Commercial bids that are not as per the format provided in Section 8 (Annexure 4) shall be liable for rejection.
- d. The bid price shall include all taxes and levies and shall be in Indian Rupees and mentioned separately.
- e. Total Price shall be calculated based on the format provided in Section 8 (Annexure 4). Each of the Commercial bids shall be evaluated on a score of 100 points. The Commercial Score of the bidder shall be calculated with respect the lowest Total Price by any bidder. The methodology of Commercial Score shall be as follows.
- f. Commercial Score of the bidder under consideration  
= (Lowest Total Price from all Commercial Bids / Total Price quoted in Commercial bid by the bidder under consideration) X 100

#### 3.4.4 Stage 4: Total Bid Evaluation

- a. The Total Score shall be based on Quality and Cost based Evaluation (QCBS). Technical Score shall have 70 % weightage and Commercial Score shall have 30% weightage.
- b. The Total Score of the bidder =  $0.7 * (\text{Technical Score}) + 0.3 * (\text{Commercial Score})$
- c. *The bidder achieving the highest Total Score shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest Total Score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.*

## 3.5 Pre-Qualification Criteria

#	Eligibility Criteria	Document Proof	Name to be given to the PDF file to be uploaded
1	<p>The Sole Bidder</p> <p>OR</p> <p>Consortium</p> <ul style="list-style-type: none"> <li>• Max 3 companies are allowed in a consortium</li> <li>• One of the consortium member should lead the consortium and should be registered in India under Companies Act 1956/2013 or as amended</li> <li>• All the consortium members are equally responsible and jointly &amp; severally liable under this RFP for <ul style="list-style-type: none"> <li>○ The delivery of products &amp; services</li> <li>○ Successful completion of this entire Project</li> <li>○ Meeting the SLAs</li> </ul> </li> <li>• Other consortium members either should be registered in India under Companies Act 1956/2013 or as amended or Registered Abroad under any other suitable Act</li> </ul>	<ul style="list-style-type: none"> <li>• Copy of Certificate of Incorporation / Registration under Companies Act, 1956/2013 or any suitable Act abroad</li> <li>• Consortium agreement clearly stating the roles and responsibilities of each member</li> </ul>	PQ_1
2	<p>The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16).</p>	<ul style="list-style-type: none"> <li>• Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years</li> </ul>	PQ_2



#	Eligibility Criteria	Document Proof	Name to be given to the PDF file to be uploaded
	<ul style="list-style-type: none"> <li>• For Sole Bidder – 150 Cr</li> <li>• For Consortium               <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 60% of TO</li> <li>○ Other members should have minimum 20% of TO</li> <li>○ All members together should have meet 150 Cr TO requirement</li> </ul> </li> </ul>		
3	<p>The Positive Net Worth (PNW) in Indian Rupees as on 2015-16 financial year end</p> <ul style="list-style-type: none"> <li>• For Sole Bidder – 30 Cr</li> <li>• For Consortium               <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 20 Cr. PNW</li> <li>○ Other members should have minimum 5 Cr. PNW</li> <li>○ All members together should have meet 30 Cr PNW requirement</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Certificate from the Statutory auditor/ CA clearly specifying the net worth of the firm</li> </ul>	PQ_3
4	<p>The aggregate Turnover from the Smart Elements (TSE) projects for last 3 audited financial years (2013-14, 2014-15, 2015-16).</p> <p>For Sole Bidder – 30 Cr (Indian Rupees)</p> <ul style="list-style-type: none"> <li>• For Consortium               <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 20 Cr from TSE</li> <li>○ Other members should have minimum 5 Cr from</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Certificate from the Statutory Auditor / CA clearly specifying the annual turnover from Smart Elements projects for the specified years.</li> <li>• Proof of the projects undertaken (work order &amp; partial (85% completion of project scope)/ final financial completion certificate from client)</li> </ul>	PQ_4

#	Eligibility Criteria	Document Proof	Name to be given to the PDF file to be uploaded
	<p>TSE</p> <ul style="list-style-type: none"> <li>o All members together should have meet 30 Cr TSE requirement</li> </ul> <p>Smart Elements Projects includes Command &amp; Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.</p>		
5	<p>The sole bidder OR the Lead bidder and each of the member of the Consortium should not be blacklisted by any Central / State Government Department or Central/State Public Sector Units (PSUs) in India as on the bid submission date</p>	<ul style="list-style-type: none"> <li>• Undertaking by the authorized signatory of bidder (In case of Consortium to be provided by each member) as per format given in Annexure 2, section 6.4</li> </ul>	PQ_5
6	<p>The sole Bidder or the Lead bidder in case of a Consortium , should possess any one of the below Certifications which are valid at the time of bid submission:</p> <ul style="list-style-type: none"> <li>• ISO 9001</li> <li>• ISO 20000:2011 for IT Service Management</li> <li>• ISO 27001:2005 for Information Security</li> </ul>	<ul style="list-style-type: none"> <li>• Copies of valid certificates in the name of the sole bidder or the Lead bidder in case of a Consortium</li> </ul>	PQ_6

#	Eligibility Criteria	Document Proof	Name to be given to the PDF file to be uploaded
	Management System • Any Other Equivalent Certification		

## Notes:

- Any bid failing to meet all of the above eligibility criteria shall be disqualified and will not be considered for technical evaluation.
- For the purpose of evaluation criteria, if the bidding company (the lead bidder in case of consortium) is 100% subsidiary of an international or Indian company then the lead bidder's parent company's relevant experience can be considered as lead bidder experience. In such case atleast 20% the key experts should be placed whose credential are included in the bid for evaluation purpose.
- Similarly, if the lead bidder has another company which is not taking part in this consortium but is 100% owned subsidiary of the lead bidder, then the experience of 100% owned subsidiary can be considered as lead bidder experience. This is subject to lead bidder submitting undertaking from the concerned firm of transfer / sharing of the relevant experience to the lead bidder during project execution.

### 3.6 Technical Evaluation Framework

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

Section #	Evaluation Criteria	Points
A	Sole Bidder /Consortium Profile	10
B	Sole Bidder /Consortium Project Experience	42
C	Technical Compliance of Command & Communications Center, ERP Solution and Product Experience	13
D	Approach & Methodology & Project Presentation/Demonstration	25
E	Proposed Resources for the Project	10
Technical Score		100

Notes:

- Bidder to submit work order and end client work in-progress (minimum 85% 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.

Important: Bidder getting Technical Score of 70% will qualify for Commercial Evaluation stage.

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

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

### 3.6.1 Technical Bid Evaluation Criteria

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded	
<b>A. Bidders @Financial &amp; Organization Strength</b>					
A1	Net worth as on 2015-16 financial year end	<b>Net Worth (Indian Rupees)</b>	<b>Percentage</b>	<b>3</b>	<b>TQ_1</b>
		>= 150 Cr.	100		
		>= 110 Cr. and < 150 Cr.	90		
		>= 70 Cr. and < 110 Cr.	80		
		>= 30 Cr. and < 70 Cr.	70		
A2	Average Annual Turnover of last 3 audited financial years (2013-14, 2014-15, 2015-16).	<b>Turnover (in Indian Rupees)</b>	<b>Percentage</b>	<b>2</b>	<b>TQ_2</b>
		>= 300 Cr.	100		
		>= 250 Cr. and < 300 Cr.	90		
		>= 200 Cr. and < 250 Cr.	80		
		>= 150 Cr. and < 200 Cr.	70		
A3	People in organization (Full time Employees -	<b>Number of FTE</b>	<b>Percentage</b>	<b>5</b>	<b>TQ_3</b>

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded										
	FTE in ICT projects)	<table border="1"> <tr> <td>&gt; 700 FTE</td> <td>100</td> </tr> <tr> <td>&gt; 600 FTE to =&lt;700 FTE</td> <td>90</td> </tr> <tr> <td>&gt; 500 FTE to =&lt;600 FTE</td> <td>80</td> </tr> <tr> <td>=&lt; 500 FTE</td> <td>70</td> </tr> </table>	> 700 FTE	100	> 600 FTE to =<700 FTE	90	> 500 FTE to =<600 FTE	80	=< 500 FTE	70				
> 700 FTE	100													
> 600 FTE to =<700 FTE	90													
> 500 FTE to =<600 FTE	80													
=< 500 FTE	70													
<b>B. Project Experience of Bidder@</b>														
B1	Executing Large Information and Communications Technology( ICT) Projects	<ul style="list-style-type: none"> <li>The bidder should have experience in executing ICT projects.</li> <li>Each project worth 50 Cr (Indian Rupees) is considered as one unit.</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>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>90</td> </tr> <tr> <td>= 2</td> <td>80</td> </tr> <tr> <td>= 1</td> <td>70</td> </tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	<b>3</b>	<i>TQ_4</i>
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B2	Surveillance Projects with required network infrastructure	<ul style="list-style-type: none"> <li>The bidder should have experience in executing surveillance projects.</li> <li>Each project with 100 cameras or more in outdoor or public area is considered as one unit.</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>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>90</td> </tr> <tr> <td>= 2</td> <td>80</td> </tr> <tr> <td>= 1</td> <td>70</td> </tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	<b>6</b>	<i>TQ_5</i>
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B3	Emergency panic button/ Public Address System	<ul style="list-style-type: none"> <li>The bidder should have experience in executing emergency/ panic buttons/Public Address System projects</li> <li>Each project of 10 emergency/ panic buttons/public address devices is considered as one unit.</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>= 4 or &gt;4</td> <td>100</td> </tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	<b>3</b>	<i>TQ_6</i>						
Number of Units	Percentage													
= 4 or >4	100													

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded										
		<table border="1"> <tr><td>= 3</td><td>90</td></tr> <tr><td>= 2</td><td>80</td></tr> <tr><td>= 1</td><td>70</td></tr> </table>	= 3	90	= 2	80	= 1	70						
= 3	90													
= 2	80													
= 1	70													
B4	Environmental Sensors	<ul style="list-style-type: none"> <li>The bidder should have experience in executing projects for deployment of environmental sensors</li> <li>Each project of 20 sensors or more will be considered as one unit.</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>= 4 or &gt;4</td><td>100</td></tr> <tr><td>= 3</td><td>90</td></tr> <tr><td>= 2</td><td>80</td></tr> <tr><td>= 1</td><td>70</td></tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	3	TQ_7
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B5	Integration with Smart Utility Solutions such as Water - SCADA, Power, Gas, ITMS, Smart SWM, Smart Sewerage/ Drainage	<ul style="list-style-type: none"> <li>The bidder should have experience in projects of integration with Smart Utility Solutions such as Water - SCADA, Power, Gas, ITMS, Smart SWM, Smart Sewerage/ Drainage</li> <li>Each project of Indian Rupees 2 Cr. Or more for integration with Smart Utility solutions will be considered as one unit.</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>= 4 or &gt;4</td><td>100</td></tr> <tr><td>= 3</td><td>90</td></tr> <tr><td>= 2</td><td>80</td></tr> <tr><td>= 1</td><td>70</td></tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	6	TQ_8
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B6	Integration with Disaster Management Solutions	<ul style="list-style-type: none"> <li>The bidder should have experience in projects of integration with Disaster Management Solutions</li> <li>Each project of minimum Indian Rupees 2 Cr. for integration with Disaster Management solutions will be considered as one unit.</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>= 4 or &gt;4</td><td>100</td></tr> <tr><td>= 3</td><td>90</td></tr> <tr><td>= 2</td><td>80</td></tr> <tr><td>= 1</td><td>70</td></tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	3	TQ_9
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded										
B6	Digital Signboards or Visual Messaging Display	<ul style="list-style-type: none"> <li>The bidder should have experience in executing Digital Signboards / Variable Messaging Displays projects</li> <li>Each project of 10 Digital Signboards / Variable Messaging Displays is considered as one unit.</li> <li>Points are allocated based on number of units executed</li> </ul> <table border="1"> <thead> <tr> <th>Number of Units</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>90</td> </tr> <tr> <td>= 2</td> <td>80</td> </tr> <tr> <td>= 1</td> <td>70</td> </tr> </tbody> </table>	Number of Units	Points	= 4 or >4	100	= 3	90	= 2	80	= 1	70	3	TQ_10
Number of Units	Points													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B7	Command and Control Center installations	<ul style="list-style-type: none"> <li>The bidder should have experience in executing projects for operationalization of Command and Control/Communications Centre (covering surveillance/ traffic/ disaster management/ city operations functions).</li> <li>Each executed project will be considered as one unit.</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>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>90</td> </tr> <tr> <td>= 2</td> <td>80</td> </tr> <tr> <td>= 1</td> <td>70</td> </tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	= 1	70	10	TQ_11
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													
= 1	70													
B8	ERP System	<ul style="list-style-type: none"> <li>The bidder should have experience in executing projects for customization/ configuration and installation of ERP system for an urban local body (Municipal Corporation / municipal council / development authority).</li> <li>Each executed project worth Indian Rupees 50 lakhs will be considered as one unit.</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>= 4 or &gt;4</td> <td>100</td> </tr> <tr> <td>= 3</td> <td>90</td> </tr> <tr> <td>= 2</td> <td>80</td> </tr> </tbody> </table>	Number of Units	Percentage	= 4 or >4	100	= 3	90	= 2	80	5	TQ_12		
Number of Units	Percentage													
= 4 or >4	100													
= 3	90													
= 2	80													

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded												
		= 1	70													
<b>C. Technical Compliance of Command &amp; Communications Center, ERP Solution and Product Experience</b>																
C1	Technical Compliance of Solution – Adherence to Functional Requirement	<ul style="list-style-type: none"> <li>Full compliance to functional specifications provided in the tender document for mentioned elements:</li> </ul> <table border="1"> <thead> <tr> <th>Functional Requirement Compliance Parameters</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>ERP System</td> <td>50</td> </tr> <tr> <td>Command Control Centre</td> <td>50</td> </tr> </tbody> </table>	Functional Requirement Compliance Parameters	Percentage	ERP System	50	Command Control Centre	50	<b>8</b>	TQ_13						
Functional Requirement Compliance Parameters	Percentage															
ERP System	50															
Command Control Centre	50															
C2	Product experience	<ul style="list-style-type: none"> <li>The bidders should have experience of at least one completed project for proposed Products listed below.</li> <li>Points are allocated based on number of Products executed</li> </ul> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Emergency Call Box</td> <td>5</td> </tr> <tr> <td>Public Address Systems</td> <td>5</td> </tr> <tr> <td>Environment Sensors</td> <td>5</td> </tr> <tr> <td>ERP System</td> <td>35</td> </tr> <tr> <td>Smart City Command Control COTS application</td> <td>50</td> </tr> </tbody> </table>	Parameter	Percentage	Emergency Call Box	5	Public Address Systems	5	Environment Sensors	5	ERP System	35	Smart City Command Control COTS application	50	<b>5</b>	TQ_14
Parameter	Percentage															
Emergency Call Box	5															
Public Address Systems	5															
Environment Sensors	5															
ERP System	35															
Smart City Command Control COTS application	50															
<b>D. Approach &amp; Methodology &amp; Project Presentation/Demonstration</b>																
D1	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>Assessment of proposed methodology whether it is clear, responds to the</td> <td>10</td> </tr> </tbody> </table>	Parameter	Percentage	Assessment of proposed methodology whether it is clear, responds to the	10	<b>10</b>	TQ_15								
Parameter	Percentage															
Assessment of proposed methodology whether it is clear, responds to the	10															



#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded								
		Scope of Work mentioned in Vol-2 of this RFP and leads to achieving results as per the requirements of Project, deliver the expected output and Time lines, and the degree of detail of such output.										
		Completeness of project plan and ease of implementation (including training and change management plan)	10									
		Clarity and details shown in BOM	10									
		Strategy to maintain all the SLAs and handling change requests	20									
		Detailed Business Plan highlighting Revenue Streams for relevant smart elements	50									
D2	Project Presentation & Demonstration	<p>Following parameters will be evaluated during presentation:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>System Integrators understanding of Vizag's requirements (functional and technical) and completeness of proposed solution</td> <td>20</td> </tr> <tr> <td>Presentation of Approach &amp; Methodology for Implementation</td> <td>20</td> </tr> <tr> <td>Clarifications given during Presentation</td> <td>20</td> </tr> </tbody> </table>	Parameter	Percentage	System Integrators understanding of Vizag's requirements (functional and technical) and completeness of proposed solution	20	Presentation of Approach & Methodology for Implementation	20	Clarifications given during Presentation	20	15	-
Parameter	Percentage											
System Integrators understanding of Vizag's requirements (functional and technical) and completeness of proposed solution	20											
Presentation of Approach & Methodology for Implementation	20											
Clarifications given during Presentation	20											

#	Technical Evaluation Criteria	Technical Evaluation parameter	Points	Name to be given to the PDF file to be uploaded										
		Demonstration of CCC & ERP, live projects/projects executed and claimed in the project experience. Note: Bidder should not copy the content from this RFP -Volume 2 in Approach & Methodology/Presentation.	40											
E. Proposed Resources for the Project														
E1	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>Percentage</th> </tr> </thead> <tbody> <tr> <td>Project Manager with experience of minimum 15 years</td> <td>20</td> </tr> <tr> <td>Solution Architect with experience of minimum 10 years</td> <td>20</td> </tr> <tr> <td>IoT Expert with experience of minimum 10 years</td> <td>30</td> </tr> <tr> <td>Command &amp; Communications/ Control Center Expert with experience of minimum 15 years</td> <td>30</td> </tr> </tbody> </table>	Profile	Percentage	Project Manager with experience of minimum 15 years	20	Solution Architect with experience of minimum 10 years	20	IoT Expert with experience of minimum 10 years	30	Command & Communications/ Control Center Expert with experience of minimum 15 years	30	10	TQ_16
Profile	Percentage													
Project Manager with experience of minimum 15 years	20													
Solution Architect with experience of minimum 10 years	20													
IoT Expert with experience of minimum 10 years	30													
Command & Communications/ Control Center Expert with experience of minimum 15 years	30													

@Definition of Bidder is as per clause no. 2.2 'Eligible Bidders' sole or consortium

### 3.6.1 Key Personnel Criteria

SI shall provide adequate number of personnel, each responsible for a specific role within the project. SI shall provide clear definition of the role and responsibility of each individual personnel. SI shall have a defined hierarchy and reporting structure for various teams that shall be part of the project. SI has to provide the list of proposed Resources for the Project. Any changes in Resource deployment will have to be approved by the Authority.

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

Except for Project Director, all other proposed positions shall be Onsite throughout the entire project implementation phase.

SI #	Position	Minimum Qualifications & Experience
1	Project Director	<ul style="list-style-type: none"> <li>a) Education: MCA/M. Tech/MBA&amp; B. Tech/B.E. from a recognized educational institution</li> <li>b) Experience: Minimum 15 years in IT sector. Should have more than 8 years of experience of handling such large projects</li> </ul>
2	Project Manager	<ul style="list-style-type: none"> <li>a) Education: MBA/MCA/M. Tech &amp; B. Tech/B.E. from a recognized educational institution</li> <li>b) Experience: Minimum 15 years in IT sector. Should have more than 5 years of experience of handling such large projects as a project manager</li> <li>c) Should preferably have PMP or Prince2 certification</li> </ul>
3	Solution Architect	<ul style="list-style-type: none"> <li>a) Education: MCA/M. Tech/B. Tech/B.E. from a recognized educational institution</li> <li>b) Experience: Minimum 10 years in IT sector. Should have experience of more than 3 years as a Solution Architecture in large projects of similar nature</li> </ul>
4	Command & Communications/Control Center Expert	<ul style="list-style-type: none"> <li>a) B.Tech / M.Tech/Post Graduate from a recognized educational institution</li> <li>b) Experience: Minimum 15 years. Should have experience in designing &amp; implementing Command Center for minimum 2 projects of similar nature.</li> </ul>
5	IOT Expert	<ul style="list-style-type: none"> <li>a) B.Tech / M.Tech/Post Graduate from a recognized educational institution</li> <li>b) Experience: Minimum 10 years. Should have experience in designing &amp; implementing IOT for minimum 2 projects of similar nature.</li> </ul>
6	QA Manager	<ul style="list-style-type: none"> <li>a) B.Tech / M.Tech/MBA/MCA from a recognized educational institution</li> <li>b) Experience: Should have a minimum 5 years of experience</li> </ul>
7	Master Trainer	<ul style="list-style-type: none"> <li>a) B.Tech / M.Tech/MBA/MCA from recognized educational</li> </ul>

		institution b) Experience :Should have a minimum 4 years of experience in conducting trainings for similar applications & solutions
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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 propose manpower to be deployed during the Operation & Maintenance phase of the Project as provided in the format 7.5.3 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.

## 4. Award of Contract

### 4.1 Notification of Award

Authority will notify the successful Bidder in writing by e-mail followed by courier. To be confirmed by the Bidder in writing by email followed by courier.

The bidder achieving the highest Total Score in QCBS evaluation as per section 3.6 shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest Total Score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.

### 4.2 Signing of Contract

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

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

### 4.3 Performance Bank Guarantee (PBG)

Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank or a Scheduled Commercial Bank in the format prescribed in Section 9 - Annexure 5 (a), payable on demand, for the due performance and fulfilment of the contract by the bidder.

This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder:

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

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

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

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

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

This Performance Bank Guarantee shall be valid only up to the completion of the period of 'Go- Live' + 60 months for the Solution.

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

#### 4.4 Warranty & Maintenance

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

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

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

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

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

The successful bidder hereby warrants Authority that:

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

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

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

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

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

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

SL #	RFP Volume, Section	RFP page no	Content in the RFP	Clarification sought

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

### 6.1 Pre-qualification bid checklist

#	Compliance Criteria	Document Proof	Compliance (Yes or No)	Page No. and Section No. in bid
1.	RFP Document fees	Online submission through NEFT/ RTGS		NA
2.	Earnest Money Deposit	Online submission through NEFT/ RTGS		NA
3.	Pre-Qualification Covering letter	Covering Letter		
4.	<p>The Sole Bidder</p> <p>OR</p> <p>In case of Consortium , the Lead Bidder and each of the members of the Consortium should be registered under Companies Act, 1956/as amended or any suitable Act abroad as on date of bid submission.</p> <p>Company/Corporation registered abroad is required to form Consortium with Company/Corporation registered under Companies Act, 1956/2013 or as amended and Company registered under Companies Act, 1956/2013 or as amended shall be the Lead Bidder.</p> <p><i>Consortium to be restricted to max. 3 firms.</i></p>	<ul style="list-style-type: none"> <li>· (For companies with Indian origin) Copy of Certificate of Incorporation / Registration under Companies Act, 1956or any suitable Act abroad</li> <li>· Consortium agreement clearly stating the roles and responsibilities of each member</li> </ul>		
5.	<p>The average annual turnover (TO) in Indian Rupees for last 3 audited financial years (2013-14, 2014-15, 2015-16).</p> <ul style="list-style-type: none"> <li>· For Sole Bidder – 150 Cr</li> <li>· For Consortium               <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 60% of TO</li> <li>○ Other members should have minimum 20% of TO</li> <li>○ All members together should have meet 150</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>· Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years</li> </ul>		



	Cr TO requirement			
6.	<p>The Positive Net Worth (PNW) in Indian Rupees as on 2015-16 financial year end</p> <ul style="list-style-type: none"> <li>• For Sole Bidder – 30 Cr</li> <li>• For Consortium <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 20 Cr. PNW</li> <li>○ Other members should have minimum 5 Cr. PNW</li> </ul> </li> </ul> <p>All members together should have meet 30 Cr PNW requirement</p>	<ul style="list-style-type: none"> <li>• Certificate from the Statutory auditor/ CA clearly specifying the net worth of the firm</li> </ul>		
7.	<p>The aggregate turnover from the “Smart Elements projects” (TSE) for last 3 audited financial years (2013-14, 2014-15, 2015-16).</p> <p>For Sole Bidder – 30 Cr (Indian Rupees)</p> <ul style="list-style-type: none"> <li>• For Consortium <ul style="list-style-type: none"> <li>○ Lead Bidder should have minimum 20 Cr from TSE</li> <li>○ Other members should have minimum 5 Cr from TSE</li> <li>○ All members together should have meet 30 Cr TSE requirement</li> </ul> </li> </ul> <p>Smart Elements Projects includes Command &amp; Communications /Control, City Surveillance System, Red Light Violation detection System, Environmental Sensors, Public Address System, Emergency Box, Variable Messaging Displays, GPS based vehicle tracking system, Smart Data Center/Disaster Recovery Center Projects, Utility Infrastructure such as water supply, power, gas, sewerage, drainage etc.</p>	<ul style="list-style-type: none"> <li>• Certificate from the Statutory Auditor / CA clearly specifying the annual turnover from Smart Elements projects for the specified years.</li> <li>• Proof of the projects undertaken (work order &amp; partial (85% completion of project scope)/ final financial completion certificate from client)</li> </ul>		
8.	<p>The sole bidder OR the Lead bidder and each of the member of the Consortium should not</p>	<ul style="list-style-type: none"> <li>• Undertaking by the authorized signatory of bidder (In case of Consortium to be provided by each member) as per format</li> </ul>		

	be blacklisted by any Central / State Government Department or Central/State Public Sector Units (PSUs) in India as on the bid submission date	given in Annexure 2, section 6.4		
9.	<p>The sole Bidder or the Lead bidder in case of a Consortium , should possess any one of the below Certifications which are valid at the time of bid submission:</p> <ul style="list-style-type: none"> <li>• ISO 9001</li> <li>• ISO 20000:2011 for IT Service Management</li> <li>• ISO 27001:2005 for Information Security Management System</li> <li>• Any Other Equivalent Certification</li> </ul>	<ul style="list-style-type: none"> <li>• Copies of valid certificates in the name of the sole bidder or the Lead bidder in case of a Consortium</li> </ul>		

6.2 Pre-Qualification Bid Covering Letter

Date: dd/ mm / yyyy

To,

[       ]

Sub: Request for Proposal for Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solution

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

Dear Sir,

With reference to your "Request for Proposal for Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solution for Authority", we hereby submit our Prequalification bid, Technical Bid and Commercial Bid for the same.

We hereby declare that:

- a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.
- b. We have submitted EMD of Indian Rupees[     ] Crores and Tender fee of Indian Rupees[     ] online through NEFT/ RTGS in the <<Account details>>.
- c. We hereby declare that all information and details furnished by us in the Bid are true and correct, and all documents accompanying such application are true copies of their respective originals.
- d. We agree to abide by our offer for a period of 180 days from the date of opening of pre-qualification bid prescribed by Authority and that we shall remain bound by a communication of acceptance within that time.
- e. We have carefully read and understood the terms and conditions of the RFP and the conditions of the contract applicable to the RFP. We do hereby undertake to provision as per these terms and conditions.
- f. In the event of acceptance of our bid, we do hereby undertake:
  - i. To supply the products and commence services as stipulated in the RFP document
  - ii. To undertake the project services for entire contract period from the date of signing of the contract as mentioned in the RFP document.
  - iii. We affirm that the prices quoted are inclusive of design, development, delivery, installation, commissioning, training, providing facility management and handholding support, and inclusive of all out of pocket expenses, taxes, levies discounts etc.
- g. We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.

- h. We understand that the Authority may cancel the bidding process at any time and that Authority is not bound to accept any bid that it may receive without incurring any liability towards the bidder.
- i. We fully understand and agree to comply that on verification, if any of the information provided in our bid is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so

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

Thanking you,

Yours sincerely,

(Signature of the Lead bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

## 6.3 Company profile

## A. Brief company profile (required for both bidder and consortium member)

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

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

## C. Financial Turnover

The financial turnover of the company is provided as follows:

	2013 – 14	2014 – 15	2015 – 16
Annual Turnover			

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

Positive net worth, as on the last date of latest audited financial year. Copy of self-certified statutory auditor certificate/CA to be submitted along with the bid

6.4 Declaration of Non-Blacklisting  
(To be provided on the Company letter head)

Declaration for Lead Bidder:

Place

Date

To,

[     ]

Subject: Self Declaration of not been blacklisted in response to the Request for Proposal for selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions

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

Dear Sir,

We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted in any manner whatsoever by any of the State or UT and or Central Government in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.

(Signature of the Lead Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

Declaration for Consortium Member:

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

{Place}

{Date}

To,

[            ]

Subject: Self Declaration of not been blacklisted in response to the Request for Proposal for selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions for

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

Dear Sir,

We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted in any manner whatsoever by any of the State or UT and or Central Government in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.

(Signature of the Consortium Member)

Printed Name

Designation

Seal Date:

Place: Business Address:



## 6.5 No Deviation Certificate

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

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

## 6.6 Total Responsibility Certificate

This is to certify that we undertake the total responsibility for the defect free operation of the proposed solutions as per the requirement of the RFP for the duration mentioned in 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 Indian Rupees)	
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 Bid Check-List

Sl #	Checklist Item	Compliance (Yes/No)	Page No. and Section No. in the Bid
1	Technical Bid Letter		
2	Credential summary		
3	Project Citations and Self-certifications, as applicable		
4	Detailed proposed solution		
5	Project plan and manpower plan		
6	Proposed CVs		
7	Compliance to Requirement (Technical / Functional Specifications)		
8	Proposed Bill of Material		
9	Manufacturers'/Producers' Authorization Form Anti-Collusion certificate		
10	Non-disclosure agreement		

7.2 Technical Bid Covering Letter

Date:  
dd/mm/yyyy

To,

[            ]

Subject: Request for Proposal for selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions

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 for Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solution" do hereby propose to provide our services as specified in the bid submitted by us.

It is hereby confirmed that I / We are entitled to act on behalf of our company / corporation / firm / organization and empowered to sign this document as well as such other documents, which may be required in this connection.

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

We confirm that the information contained in this response or any part thereof, including its exhibits, and other documents and instruments delivered or to be delivered to Authority, is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the department in its evaluation process. We also confirm that we shall not attract conflict of interest in principle.

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

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

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

Thanking you,

Yours sincerely,

(Signature of the Lead Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

## 7.3 Credential Summary

SI #	Project Name	Client Name	Client Type	Project Value (in Indian Rupees)	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 application development for security surveillance, command and control center, Maintenance, Hardware procurement and deployment, DC setup and maintenance, Facility management services, provisioning manpower, IT support and maintenance*
- *Documentary evidence provided – Indicate the documentary evidence provided with the detailed project credential like work order or purchase order or completion certificate or letter of appointment*
- *Project Status – Completed (date of project completion) or Ongoing (project start date)*

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

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

Name of the Project & Location	
Client's Name and Complete Address	
Narrative description of project	
Contract Value for the bidder (in Indian Rupees)	
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.*



## 7.5 Overview of Proposed Solution

### 7.5.1 Structure of Proposed Solution

Bidders are required to provide a detailed approach & methodology 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 requirement and Implementation approach <ul style="list-style-type: none"> <li>· Understanding of requirements</li> <li>· Work Plan &amp; its adequacy</li> </ul>
2.	Robustness and quality <ul style="list-style-type: none"> <li>· End to end integrated solution proposed</li> <li>· Hardware deployment and integration approach encompassing all solutions</li> <li>· Timelines and modalities for implementation in a time bound manner</li> <li>· Project implementation approach or strategy and operations and maintenance plan including comprehensiveness of fallback strategy and planning during rollout</li> <li>· Any other area relevant to the scope of work and other requirements of the project</li> </ul>
3.	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>

### 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.

Activity-wise Timelines							
Sl. No.	Detailed Work Break down structure	Month wise Program					
		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							

Activity-wise Timelines

Sl. No.	Item of Activity	Month wise Program
---------	------------------	--------------------

*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.*

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7.5.3 Manpower Plan

I. Till Go-Live (Implementation)

Manpower distribution										
S. No.	Role	Month wise time to be spent by each personnel (in days)						Total		
		Month 1	Month 2	Month 3	...	...	Go-Live			
1	Project Director								Onsite	
									Offsite	
2	Project Manager								Onsite	
3	Solution Architect (DC)								Onsite	
4	Command Center Expert								Onsite	
5	IOT Expert								Onsite	
6	QA Manager								Onsite	
7	Master Trainer								Onsite	
9	<Add more rows as required>								Onsite	
		Total								

II. After Go-Live (Operation & Maintenance)

Manpower distribution							
S. No.	Manpower Detailed Breakup	Years					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
1							Onsite/Offsite
2							Onsite/Offsite
3							Onsite/Offsite
4							Onsite/Offsite
5							Onsite/Offsite
6							Onsite/Offsite
7							Onsite/Offsite
8							Onsite/Offsite
9	<Add more rows as required>						Onsite/Offsite
		Total					

## 7.6 Details of Resources proposed

### 7.6.1 Summary of Resources proposed

Sr.No.	Name of the resource	Proposed Role	Highest Degree	Basic Qualification (e.g., B.Sc. or BE or MCA or Post Graduation)	Certifications (e.g., PMP or ITIL or TOGAF or CCNP etc.)	Total Experience (In Years)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

## 7.7 Curriculum Vitae (CV) of Team Members

1	Name:						
1.	Proposed position or role	<i>(only one candidate shall be nominated for each position)</i>					
2.	Date of Birth		Nationality				
3.	Education	Qualification	Name of School or College or University	Degree Obtained	Year of Passing		
4.	Years of experience						
5.	Areas of Expertise and no. of years of experience in this area	<i>(as required for the Profile)</i>					
6.	Certifications and Trainings attended						
7.	Employment Record	Employer	Position	From	To		
<i>[Starting with recent position and last 2 firms, list in reverse order, giving for each employment: dates of employment, name of employing organization, positions held.]</i>							

8. Detailed (*List all tasks to be performed under this project*)

Tasks  
Assigned

9. Relevant Work Undertaken that Best Illustrates the experience as required for the Role)

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	



## 7.8 Compliance to Requirement (Technical / Functional Specifications)

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

## 7.9 Proposed Bill of Material

The Bidder should provide the proposed Bill of Material (BoM) here. Bidders are required to mention the details of the make/brand and model against each line item, wherever applicable. The bid can be considered non-responsive in the absence of such details. Once the bidder provides this information in the submitted bid, the bidder cannot change it with any other component / equipment etc. of lower specifications / performance; it can only be upgraded at the time of actual deployment/installation.

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

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
<b>A</b>	<b>Primary Command &amp; Communications Center (CCC)</b>					
A1	Video Wall Solution- 55" LED in a 6 X 3 arrangement	Set	18			
A2	Additional LED Displays- for different functions/ sub-command centers	Set	4			
A3	Monitoring Workstations (3 monitors) for Live and Playback	Number	30			
A4	Office Desktops	Number	30			
A5	Network Colour Laser Printers	Number	4			
A6	IP Phones	Set	60			
A7	Radio Handset/Telephone (compatible)	Set	15			
A8	Indoor Fixed Dome Cameras for internal surveillance	Number	10			
A9	Set of Switches to connect Workstations + Desktops	Set	2			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Mode I Details	Full compliance with RFP Requirements (Yes/No)
A10	Networking/IT Rack	Lump sum	2			
A11	Networking Cost (Passive Components)	Lump sum	1			
A12	Electrical Cabling & Necessary Illumination Devices	Lump sum	1			
A13	Fire Safety System with alarms	Set	1			
A14	Public Address System	Set	1			
A15	Access Control System (RFID/Proximity based, for all staff)	Set	1			
A16	Command Center Workstation Furniture and Fixtures	Set	30			
A17	Office Desk Furniture and Fixtures	Set	30			
A18	Ergonomic chairs for Command & Communication Center	Set	30			
A19	Chairs for office staff	Number	30			
A20	Conference Table (for 8 personnel) & Chairs	Set	2			
A21	LCD Projector	Number	2			
<b>A. Secondary Command &amp; Communications Center</b>						
B1	Video Wall Solution- 55" LED in a 4 X 2 arrangement	Set	8			
B2	Additional LED Displays- for different functions/ sub-command centers	Set	2			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
B3	Monitoring Workstations (3 monitors) for Live and Playback	Number	20			
B4	Office Desktops	Number	20			
B5	Network Colour Laser Printers	Number	2			
B6	IP Phones	Set	40			
B7	Indoor Fixed Dome Cameras for internal surveillance	Number	5			
B8	Set of Switches to connect Workstations + Desktops	Set	1			
B9	Networking/IT Racks	Lump sum	1			
B10	Networking Cost (Passive Components)	Lump sum	1			
B11	Electrical Cabling & Necessary Illumination Devices	Lump sum	1			
B12	Fire Safety System with alarms	Set	1			
B13	Public Address System	Set	1			
B14	Access Control System (RFID/Proximity based, for all staff)	Set	1			
B15	Command Center Workstation Furniture and Fixtures	Set	20			
B16	Office Desk Furniture and Fixtures	Set	20			
B17	Ergonomic chairs for Command & Communication Center	Number	20			
B1	Chairs for office staff	Number	20			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
8						
B19	Conference Table (for 8 personnel) & Chairs	Set	1			
B20	LCD Projector	Number	1			
<b>C</b>	<b>Smart Data Center (DC) Infrastructure</b>					
Common DC Infrastructure						
C1	DC Core Router	Number	2			
C2	Internet Routers	Number	2			
C3	DC Switches (All types)	Set	2			
C4	Firewall	Set	2			
C5	Intrusion Prevention System	Set	2			
C6	Server load balancer	Number	2			
C7	Enterprise Management System (including SLA Mngt, HelpDeskMngt, Network Mngt, BMS)	Lump sum	1			
C8	Anti-virus Software for Servers	Set	200			
C9	Backup Software	Set	1			
C10	Desktop for mgmt. staff	Number	5			
C11	SAN Storage (20 TB)	Set	1			
C12	Tape Library	Set	1			
C13	Racks for all Infra in DC	Set	10			
C14	Indoor Fixed Dome Cameras	Set	10			
C15	Fire Proof Enclosure for Media Storage	Set	1			
C16	Networking Cost (Passive Components)	Lump sum	1			
C1	GIS Map Integration	Set	1			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
7						
C18	Viewing Software for GIS	Set	1			
C19	Customised dashboard with all required integrations as per Scope of work defined	Set	1			
Infrastructure for CCC solution : Server Hardware (inclusive of Operating System)						
C21	Blade Servers	Set	10			
C22	Chassis for Blade Server	Set	2			
Application & System Software						
C23	Command and Communications Software (including Disaster Management)	Set	1			
C24	Command & Communications Centre + Disaster Management Solution Implementation	Set	1			
C25	Virtualisation software	Set	8			
C26	RDBMS Licenses	Set	1			
C27	Customisation/Integration of the existing systems of Authority	Lump sum	1			
Non-IT Components						
C28	UPS	Set	1			
C29	Diesel Generator Set	Set				
C30	Fire Alarm System	Set				

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
D. Secondary Data Center (Disaster Recovery Site) Infrastructure. Co-located to a Cloud service provider						
Common Secondary DC Infrastructure						
D1	DC Core Router	Number	2			
D2	Internet Routers	Number	2			
D3	DC Switches (All types)	Lump sum	2			
D4	Firewall	Number	2			
D5	Intrusion Prevention System	Set	2			
D6	Server load balancer	Set	2			
D7	Enterprise Management System (including SLA Mngt, HelpDeskMngt, Network Mngt, BMS)	Lump sum	1			
D8	Anti-virus Software for Servers	Set	200			
D9	Backup Software	Set	1			
D10	Desktop for mgmt. staff	Number	5			
D11	SAN Storage (20 TB)	Set	1			
D12	Tape Library	Set	1			
D13	Racks for all Infra in DC	Lump sum	10			
D14	Indoor Fixed Dome Cameras	Set	10			
D15	Fire Proof Enclosure for Media Storage	Set	1			
D16	Networking Cost (Passive Components)	Lump sum	1			
D17	GIS Map Integration	Lump sum	1			
D18	Viewing Software for GIS	Set	1			
D19	Customised dashboard with all required	Lump sum	1			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Mode I Details	Full compliance with RFP Requirements (Yes/No)
	integrations as per SOW defined					
<b>Infrastructure for Command Communications Center solution</b>						
D2 1	Server Hardware (inclusive of Operating System)	Set	10			
D2 2	Blade Servers	Set	2			
D2 3	Chassis for Blade Server	Set				
<b>Applications &amp; Systems Software</b>						
D2 4	Command and Communications Software (including Disaster Management)	Set	1			
D2 5	Command & communications Centre +Disaster Management Solution Implementation	Set	1			
D2 6	Virtualisation software	Set	8			
D2 7	RDBMS Licenses	Set	1			
D2 8	Customisation/Integration of the existing systems with authority such as SCADA etc.	Lump sum	1			
<b>Non-IT Components</b>						
D2 9	UPS	Set				
D3 0	Diesel Generator set	Set				
D3 1	Fire Alarm System	Set				
<b>E</b>	<b>Red Light Violation detection System (RVLD) and ATCS</b>					



Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
E1	RLVD System for a junction including ANPR cameras, Software, Overview Cameras, Illuminator, Local Processing Unit, with cabling and mounting infrastructure complete.	Lump sum	10 Junctions to be covered			
E2	Central monitoring Server Solution	Lump sum	10			
E3	Pole/Gantry, UPS, Junction Box and Cabling	Lump sum	10			
E4	Face Recognition System Software solution	Set	10 Junctions to be covered			
<b>F</b>	Smart Environmental Sensors					
F1	Weather/Environmental sensors	Set	15			
<b>G</b>	Variable Messaging Board, Public Announcement (PA) and Emergency Call Box					
G1	1800 X 6000 mm VMS board including VMS controller as per specifications	Lump sum	10			
G2	Mounting structure (Gantry) for VMS as per site requirements and IRC guideline	Lump sum	10			
G3	Public Announcement (PA) System	Set	50			
G4	Emergency Call Box	Set	50			
<b>H</b>	CCTV Surveillance					
H1	Outdoor Box Cameras	Set	400			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Mode I Details	Full compliance with RFP Requirements (Yes/No)
	(Surveillance)					
H2	Outdoor PTZ Cameras	Set	100			
H3	IR Illuminators	Set	80			
H4	Poles for Cameras and Equipments	Set	100			
H5	Provisioning of Electrical Power	Set	100 locations			
H6	Industrial Grade Outdoor PoE Switches	Set	100			
H7	Networking Cost (Passive Component : Junction Box, Patch Panel, LIU, OFC, Cat6 Cable, Patch Cords, Pipes, Earthing, Lighting arrester)	Lump sum	100 locations			
H8	UPS ( Solar + Electric) with Batteries	Set	100			
H9	Digging, Piping & Re-filling, including digging for electrical cabling	Lump sum	100 locations			
DC Infrastructure for Surveillance						
H10	Servers+ Switches	Set	1			
H11	Video Management System	Set	500			
H12	Violation Analytics	Set	320			
H13	Storage (SAN+NAS+Switches)	Set	1			
I. ERP Solution Suite						
Centralized Hardware & Software						
I1	Servers+ Storage Networking (To be housed in Smart DC)	Lump sum	1			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Mode I Details	Full compliance with RFP Requirements (Yes/No)
I2	ERP solution	Lump sum	1			
<b>J. Training and Overall Project Management</b>						
Training Costs (per batch of 20)						
J1	Functional Training		100			
J2	Administrative Training		10			
J3	Sr. Management Training		10			
J4	Project Management/Coordination during implementation		12			
J5	Security Audit Charges		5			
J6	Operational Expenses during implementation		12			
<b>K. Smart Poles</b>						
K1	Smart Poles (upto 30m)	Set	50			
K2	Installation and commissioning of the smart poles (Including civil works and restoration of site)	Lump sum	50			
Smart Street Light						
K3	LED Control Nodes	No.	50			
K4	LED Luminaires	No.	150			
K5	Feeder Panels	No.	50			
K6	Necessary brackets for pole, cabling and other accessories required to install and make functional complete Smart LED solution	Lump sum	50			
Public Internet Access						
K7	Access Point for hotspots	Set	50			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Mode I Details	Full compliance with RFP Requirements (Yes/No)
K8	L2+ 8 Ports Managed Switch	Set	As required			
K9	L2+ 8 Ports Managed PoE Switch	Set	As required			
K10	Junction Box	Set	50			
K11	Field UPS	Set	50			
Environmental Sensors						
K12	Environmental Sensors	No.	50			
Centralised software for Smart Street Lights						
K13	Centralized Software for Smart Street Lights (Including Mobile Apps)	Set	1			
L ICT Based Smart Solid Waste/Bin Management System						
L1	Solid Waste management System	Lump Sum	1			
L2	Automated Vehicle Locator Management System with requirement of customized dashboard specific for monitoring and tracking of solid waste management activities and integration with the RFID system & weight and volume sensor system for bin collection management.	Lump Sum	1			
L3	RFID based Bin Management System, Weight & Volume Sensor Management	Lump sum	1			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
	System					
L4	Mobile GPS based Staff Attendance Management System –	Lump sum	1			
L5	GPS Tracking System with all fittings & fixtures in all the vehicles	Lump sum	50			
L6	RFID device installation in all the vehicles & loaders and RFID tagging of all the Bins	Set	50			
L7	Mobile biometric device for workers	Set	300			
L8	Weight and volume sensors installation at collection point/ bin	Set	50			
<b>M City Bus Intelligent Transport System</b>						
M1	GPS Module for City Buses	Set	100 Buses			
M2	PIS Display – Bus (Unit of 4 Displays per bus)	Set	100 Buses			
M3	City Bus stop PIS Display Unit (LED based) and Communication units	Set	50 Bus stops			
M4	Communication Unit for Authority Bus Stations (Switch, Cable, Router)	Set	5			

Sl. #	Line Item	Unit of Measurement	Quantity Proposed	Make/Brand	Model Details	Full compliance with RFP Requirements (Yes/No)
M5	Bus Station UPS (Station UPS would require 4 hours of backup)	Set	5			
M6	Automatic Vehicle Tracking System solution	Set	1			
M7	Bus Operation & Management Solution	Set	1			
M8	PIS Management System	Set	1			
M9	Communication Solution	Set	1			

### 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 or maintenance or support services for software products against this invitation for bid by \_\_\_\_\_ (Name of the Bidder) as per requirements and for the duration of contract as specified in this RFP.

We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.

Thanking you,

Yours faithfully,

(Signature)

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

Authorised Signatory

Name:

Designation:

Place:

Date:

### 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 Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions in Greater Visakhapatnam City 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:



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

### 8.1. Total Price Summary

SI #	Head	Amount (in Indian Rupees)	Amount (in words)
1.	Total CAPEX price (Inclusive of all taxes, levies, duties, etc. as applicable)		
2.	Total OPEX price (Inclusive of all taxes, levies, duties, etc. as applicable)		
3.	Total price (1+2) (Inclusive of all taxes, levies, duties, etc. as applicable)		

## 8.2 Price component for CAPEX:

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

For Supply, Installation and Commissioning						
Sl.#	Line Item	Unit of Measurement	Quantity Proposed	Unit Base Price (In Indian Rupees)	All taxes, levies, duties etc. as applicable (In Indian Rupees) (Per Unit)	Total Price including All taxes, levies, duties, etc.as applicable (In Indian Rupees)
1	2	3	4	5	6	7=(5+6)*4
<b>A</b>	<b>Primary Command &amp; Communications Center (CCC)</b>					
A1	Video Wall Solution- 55" LED in a 6 X 3 arrangement	Set	18			
A2	Additional LED Displays- for different functions/ sub-command centers	Set	4			
A3	Monitoring Workstations (3 monitors) for Live and Playback	Number	30			
A4	Office Desktops	Number	30			
A5	Network Colour Laser Printers	Number	4			

A6	IP Phones	Set	60			
A7	Radio Handset/Telephone (compatible)	Set	15			
A8	Indoor Fixed Dome Cameras for internal surveillance	Number	10			
A9	Set of Switches to connect Workstations + Desktops	Set	2			
A10	Networking/IT Rack	Lump sum	2			
A11	Networking Cost (Passive Components)	Lump sum	1			
A12	Electrical Cabling & Necessary Illumination Devices	Lump sum	1			
A13	Fire Safety System with alarms	Set	1			
A14	Public Address System	Set	1			
A15	Access Control System (RFID/Proximity based, for all staff)	Set	1			
A16	Command Center Workstation Furniture and Fixtures	Set	30			
A17	Office Desk Furniture and Fixtures	Set	30			
A18	Ergonomic chairs for Command & Communication Center	Set	30			

A19	Chairs for office staff	Number	30			
A20	Conference Table (for 8 personnel) & Chairs	Set	2			
A21	LCD Projector	Number	2			
<b>B. Secondary Command &amp; Communications Center</b>						
B1	Video Wall Solution- 55" LED in a 4 X 2 arrangement	Set	8			
B2	Additional LED Displays- for different functions/ sub-command centers	Set	2			
B3	Monitoring Workstations (3 monitors) for Live and Playback	Number	20			
B4	Office Desktops	Number	20			
B5	Network Colour Laser Printers	Number	2			
B6	IP Phones	Set	40			
B7	Indoor Fixed Dome Cameras for internal surveillance	Number	5			
B8	Set of Switches to connect Workstations + Desktops	Set	1			
B9	Networking/IT Racks	Lump sum	1			
B10	Networking Cost (Passive Components)	Lump sum	1			
B11	Electrical Cabling & Necessary Illumination	Lump sum	1			

	Devices					
B12	Fire Safety System with alarms	Set	1			
B13	Public Address System	Set	1			
B14	Access Control System (RFID/Proximity based, for all staff)	Set	1			
B15	Command Center Workstation Furniture and Fixtures	Set	20			
B16	Office Desk Furniture and Fixtures	Set	20			
B17	Ergonomic chairs for Command & Communication Center	Number	20			
B18	Chairs for office staff	Number	20			
B19	Conference Table (for 8 personnel) & Chairs	Set	1			
B20	LCD Projector	Number	1			
<b>C</b>	Smart Data Center (DC) Infrastructure					
Common DC Infrastructure						
C1	DC Core Router	Number	2			
C2	Internet Routers	Number	2			
C3	DC Switches (All types)	Set	2			
C4	Firewall	Set	2			
C5	Intrusion Prevention	Set	2			

	System					
C6	Server load balancer	Number	2			
C7	Enterprise Management System (including SLA Mngt, HelpDeskMngt, Network Mngt, BMS)	Lump sum	1			
C8	Anti-virus Software for Servers	Set	200			
C9	Backup Software	Set	1			
C10	Desktop for mgmt. staff	Number	5			
C11	SAN Storage (20 TB)	Set	1			
C12	Tape Library	Set	1			
C13	Racks for all Infra in DC	Set	10			
C14	Indoor Fixed Dome Cameras	Set	10			
C15	Fire Proof Enclosure for Media Storage	Set	1			
C16	Networking Cost (Passive Components)	Lump sum	1			
C17	GIS Map Integration	Set	1			
C18	Viewing Software for GIS	Set	1			
C19	Customised dashboard with all required integrations as per Scope of work defined	Set	1			
Infrastructure for CCC solution : Server Hardware (inclusive of Operating System)						
C20	Blade Servers	Set	10			
C21	Chassis for Blade Server	Set	2			

Application & System Software						
C22	Command and Communications Software (including Disaster Management)	Set	1			
C23	Command & Communications Centre + Disaster Management Solution Implementation	Set	1			
C24	Virtualisation software	Set	8			
C25	RDBMS Licenses	Set	1			
C26	Customisation/Integration of the existing systems of Authority	Lump sum	1			
Non-IT Components						
C27	UPS	Set	1			
C28	Diesel Generator Set	Set				
C29	Fire Alarm System	Set				
E. Secondary Data Center (Disaster Recovery Site) Infrastructure. Co-located to a Cloud service provider						
Common Secondary DC Infrastructure						
D1	DC Core Router	Number	2			
D2	Internet Routers	Number	2			
D3	DC Switches (All types)	Lump sum	2			
D4	Firewall	Number	2			
D5	Intrusion Prevention	Set	2			

	System					
D6	Server load balancer	Set	2			
D7	Enterprise Management System (including SLA Mngt, HelpDeskMngt, Network Mngt, BMS)	Lump sum	1			
D8	Anti-virus Software for Servers	Set	200			
D9	Backup Software	Set	1			
D10	Desktop for mgmt. staff	Number	5			
D11	SAN Storage (20 TB)	Set	1			
D12	Tape Library	Set	1			
D13	Racks for all Infra in DC	Lump sum	10			
D14	Indoor Fixed Dome Cameras	Set	10			
D15	Fire Proof Enclosure for Media Storage	Set	1			
D16	Networking Cost (Passive Components)	Lump sum	1			
D17	GIS Map Integration	Lump sum	1			
D18	Viewing Software for GIS	Set	1			
D19	Customised dashboard with all required integrations as per SOW defined	Lump sum	1			
Infrastructure for Command Communications Center solution						
D21	Server Hardware (inclusive of Operating System)	Set	10			
D22	Blade Servers	Set	2			



D23	Chassis for Blade Server	Set				
<b>Applications &amp; Systems Software</b>						
D24	Command and Communications Software (including Disaster Management)	Set	1			
D25	Command & communications Centre +Disaster Management Solution Implementation	Set	1			
D26	Virtualisation software	Set	8			
D27	RDBMS Licenses	Set	1			
D28	Customisation/Integration of the existing systems with authority such as SCADA etc.	Lump sum	1			
<b>Non-IT Components</b>						
D29	UPS	Set				
D30	Diesel Generator set	Set				
D31	Fire Alarm System	Set				
<b>E</b>	<b>Red Light Violation detection System (RVLD) and ATCS</b>					
E1	RLVD System for a junction including ANPR cameras, Software, Overview Cameras, Illuminator, Local Processing Unit, with	Lump sum	10 Junctions to be covered			

	cabling and mounting infrastructure complete.					
E2	Central monitoring Server Solution	Lump sum	10			
E3	Pole/Gantry, UPS, Junction Box and Cabling	Lump sum	10			
E4	Face Recognition System Software solution	Set	10 Junctions to be covered			
<b>F</b>	Smart Environmental Sensors					
F1	Weather/Environmental sensors	Set	15			
<b>G</b>	Variable Messaging Board, Public Announcement (PA) and Emergency Call Box					
G1	1800 X 6000 mm VMS board including VMS controller as per specifications	Lump sum	10			
G2	Mounting structure (Gantry) for VMS as per site requirements and IRC guideline	Lump sum	10			
G3	Public Announcement (PA) System	Set	50			
G4	Emergency Call Box	Set	50			
<b>H</b>	CCTV Surveillance					
H1	Outdoor Box Cameras	Set	400			

	(Surveillance)					
H2	Outdoor PTZ Cameras	Set	100			
H3	IR Illuminators	Set	80			
H4	Poles for Cameras and Equipments	Set	100			
H5	Provisioning of Electrical Power	Set	100 locations			
H6	Industrial Grade Outdoor PoE Switches	Set	100			
H7	Networking Cost (Passive Component : Junction Box, Patch Panel, LIU, OFC, Cat6 Cable, Patch Cords, Pipes, Earthing, Lighting arrester)	Lump sum	100 locations			
H8	UPS ( Solar + Electric) with Batteries	Set	100			
H9	Digging, Piping & Re-filling, including digging for electrical cabling	Lump sum	100locations			
DC Infrastructure for Surveillance						
H10	Servers+ Switches	Set	1			
H11	Video Management System	Set	500			
H12	Violation Analytics	Set	320			
H13	Storage (SAN+NAS+Switches)	Set	1			

I. ERP Solution Suite						
Centralised Hardware & Software						
I1	Servers+ Storage+Networking (To be housed in Smart DC)	Lump sum	1			
I2	ERP solution	Lump sum	1			
J Training and Overall Project Management						
Training Costs (per batch of 20)						
J1	Functional Training		100			
J2	Administrative Training		10			
J3	Sr. Management Training		10			
J4	Project Management/Coordination during implementation		12			
J5	Security Audit Charges		5			
J6	Operational Expenses during implementation		12			
L. Smart Poles						
K1	Smart Poles (upto 30m)	Set	50			
K2	Installation and commissioning of the smart poles (Including civil works and restoration of site)	Lumpsum	50			

Smart Street Light						
K3	LED Control Nodes	No.	50			
K4	LED Luminaires	No.	150			
K5	Feeder Panels	No.	50			
K6	Necessary brackets for pole, cabling and other accessories required to install and make functional complete Smart LED solution	Lump sum	50			
Public Internet Access						
K7	Access Point for hotspots	Set	50			
K8	L2+ 8 Ports Managed Switch	Set	As required			
K9	L2+ 8 Ports Managed PoE Switch	Set	As required			
K10	Junction Box	Set	50			
K11	Field UPS	Set	50			
Environmental Sensors						
K12	Environmental Sensors	No.	50			
Centralised software for Smart Street Lights						
K13	Centralized Software for Smart Street Lights (Including Mobile Apps)	Set	1			
L ICT Based Smart Solid Waste/Bin Management System						
L1	Solid Waste management System	Lump Sum	1			

L2	Automated Vehicle Locator Management System with requirement of customized dashboard specific for monitoring and tracking of solid waste management activities and integration with the RFID system & weight and volume sensor system for bin collection management.	Lump Sum	1			
L3	RFID based Bin Management System, Weight & Volume Sensor Management System	Lump sum	1			
L4	Mobile GPS based Staff Attendance Management System –	Lump sum	1			
L5	GPS Tracking System with all fittings & fixtures in all the vehicles	Lump sum	50			
L6	RFID device installation in all the vehicles & loaders and RFID tagging of all the	Set	50			

	Bins					
L7	Mobile/Aadhar biometric device for workers	Set	300			
L8	Weight and volume sensors installation at collection point/ bin	Set	50			
<b>M City Bus Intelligent Transport System</b>						
M1	GPS Module for City Buses	Set	100 Buses			
M2	PIS Display – Bus (Unit of 4 Displays per bus)	Set	100 Buses			
M3	City Bus stop PIS Display Unit (LED based) and Communication units	Set	50 Bus stops			
M4	Communication Unit for Authority Bus Stations (Switch, Cable, Router)	Set	5			
M5	Bus Station UPS (Station UPS would require 4 hours of backup)	Set	5			
M6	Automatic Vehicle Tracking	Set	1			

	System solution					
M7	Bus Operation & Management Solution	Set	1			
M8	PIS Management System	Set	1			
M9	Communication Solution	Set	1			
Total CAPEX Price (In Indian Rupees)						

Total CAPEX Price (in words) - \_\_\_\_\_

*Note: Bidder must ensure that all the line items are covered as specified in BOM and all required fields in the Commercial bid format are duly filled and calculated appropriately. All amounts to be quoted in Indian Rupees.*



## 8.3. Price component for OPEX

The Bidder may add any additional line item (with adequate details and pricing information) in table below towards the end that may be required to fulfill the RFP and project requirements in totality.

Sl. #	Components	Year 1 (in Indian Rupees)	Year 2 (in Indian Rupees)	Year 3 (in Indian Rupees)	Year 4 (in Indian Rupees)	Year 5 (in Indian Rupees)	Total (Incl. of all taxes)
1	A. Infrastructure for Primary Command & Communications Center (CCC)						
2	B. Infrastructure for Secondary Command & Communications Center (CCC)						
	C. Smart Data Center (DC) Infrastructure						
	D. Secondary Data Center (Disaster Recovery Site) Infrastructure. Note: Co-located to a Cloud service provider						
3	E. Red Light Violation detection System (RVLD), ANPR& Face Recognition System						
	F. Smart Environmental Sensors						
5	G. Variable Messaging Board, Public Address System and Emergency call Box						
6	H. City/CCTV Surveillance						
7	I. ERP Solution Suite						
8	J. Smart Pole						
9	K. ICT based Solid Waste Mgmt. System						
10	L. City Bus Intelligent Transport System						
11	M. Training and Overall Project Management						
12	N. Facility Management, Technical & Operational support by						

	Technical/Operational/Support personnel of SI						
13	O. Disaster Recovery Center Co-Location service charges						
	Total OPEX price						

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

## 9 Annexure 5 (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 Greater Visakhapatnam Smart City Corporation Limited(hereinafter called “the Authority”)

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

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

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

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

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

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

Notwithstanding anything contained herein:

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

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

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

Date \_\_\_\_\_

Place \_\_\_\_\_

Signature \_\_\_\_\_

Witness \_\_\_\_\_

Printed name \_\_\_\_\_

(Bank's common seal)

## 10. Annexure 5 (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 System Integrator') has submitted the bid for Submission of RFP <<RFP Number>> dated <<Date>> for <<Name of the assignment>> (hereinafter called "the Bid") to <<Authority>> .

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

The conditions of this obligation are:

1. If the Bidder having its bid withdrawn during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its bid by the Authority during the period of validity of bid

- (a) Withdraws his participation from the bid during the period of validity of bid document; or
- (b) Fails or refuses to participate in the subsequent Tender process after having been short listed;

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

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

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

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

<<Amount in words>> only)

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

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

(Authorized Signatory of the Bank)

Seal:

Date:

## 11. Annexure 6 – Non-Disclosure Agreement

WHEREAS, we the undersigned Bidder, \_\_\_\_\_, having our principal place of business or registered office at \_\_\_\_\_, are desirous of bidding for RFP No. <<>> dated <<DD-MM-2015>> “Request for Proposal for Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions” (hereinafter called the said 'RFP') to the “Greater Visakhapatnam Smart City Corporation Limited”, hereinafter referred to as 'Authority'

And,

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

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

It is hereby agreed as under:

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

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

3. The Bidder agrees to hold in trust any Confidential Information received by the Bidder, as part of the Tendering process or otherwise, and the Bidder shall maintain strict confidentiality in

respect of such Confidential Information, and in no event a degree of confidentiality less than the Bidder uses to protect its own confidential and proprietary information. The Bidder also agrees:

- a. to maintain and use the Confidential Information only for the purposes of bidding for this RFP and thereafter only as expressly permitted herein;
  - b. to only make copies as specifically authorized by the prior written consent of the Authority and with the same confidential or proprietary notices as may be printed or displayed on the original;
  - c. to restrict access and disclosure of Confidential Information to their employees, agents, consortium members and representatives strictly on a "need to know" basis, to maintain confidentiality of the Confidential Information disclosed to them in accordance with this clause; and
  - d. To treat Confidential Information as confidential unless and until Authority expressly notifies the Bidder of release of its obligations in relation to the said Confidential Information.
4. Notwithstanding the foregoing, the Bidder acknowledges that the nature of activities to be performed as part of the Tendering process or thereafter may require the Bidder's personnel to be present on premises of the Authority or may require the Bidder's personnel to have access to software, hardware, computer networks, databases, documents and storage media of the Authority while on or off premises of the Authority. It is understood that it would be impractical for the Authority to monitor all information made available to the Bidder's personnel under such circumstances and to provide notice to the Bidder of the confidentiality of all such information.

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

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



Bidder or its Affiliates or directors, officers, employees or advisors based on the Confidential Information within a period of sixty days from the date of receipt of notice, or destroyed, if incapable of return. The destruction shall be witnessed and so recorded, in writing, by an authorized representative of the Authority. Without prejudice to the above the Bidder shall promptly certify to the Authority, due and complete destruction and return. Nothing contained herein shall in any manner impair rights of the Authority in respect of the Confidential Information.

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

For and on behalf of:

(BIDDER)

Authorised Signatory  
Name:  
Designation:

Office Seal:  
Place:  
Date :

## 12. Annexure 7 - Consortium Agreement

DRAFT MEMORANDUM OF UNDERSTANDING EXECUTED BY MEMBERS OF THE CONSORTIUM

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

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

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

WHEREAS Greater Visakhapatnam Smart City Corporation Limited has issued a Request for Proposal dated [Date] (RFP) from the Applicants interested in Request for Proposal for Selection of System Integrator for Implementation of Greater Visakhapatnam Smart City Solutions for Authority:

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

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

- i. The purpose of this Agreement is to define the principles of collaboration among the Parties to: Submit a response jointly to Bid for the "Request for Proposal for Selection of Agency for Selection of Agency for Implementation of Greater Visakhapatnam Smart City Solutions" as a Consortium.
  - a. Sign Contract in case of award.
  - b. Provide and perform the supplies and services which would be ordered by the Authority pursuant to the Contract.
- ii. This Agreement shall not be construed as establishing or giving effect to any legal entity such as, but not limited to, a company, a partnership, etc. It shall relate solely towards the Authority for "Request for Proposal for Selection of Agency for Selection of Agency for Implementation of Greater Visakhapatnam Smart City Solutions" for and related execution works to be performed pursuant to the Contract and shall not extend to any other activities.
- iii. 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.

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

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

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

Witness:

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

### 13 Annexure 8 - Format for Power of Attorney to Authorize Signatory

#### POWER OF ATTORNEY

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

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

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

(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 \_\_\_\_ 2015

(Signature and Name of authorized signatory)

\_\_\_\_\_

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

Seal of firm Company

Witness 1:

Witness 2:

*Notes:*

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

## 14 Annexure 9 - Format for Power of Attorney for Lead bidder of Consortium

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

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

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

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

NOW THIS POWER OF ATTORNEY WITNESSETH THAT

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

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

Dated this the \_\_\_\_\_ day of \_\_\_\_\_ 2015

\_\_\_\_\_  
(Signature)

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

Witness 1

Witness 2

*Notes:*

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

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