



Request for proposal (RFP) for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

VOLUME I - Structure of Bid & Bid Process Specifications

**Tender Ref No.- DIT 1715/CR:142/39
Date: 30-04-2016**

**Directorate of Information Technology,
Government of Maharashtra**



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Important Dates

SI #	Activity	Deadline
1.	Release of RFP	30 April 2016
2.	Last date of receipt of queries on RFP	4 May 2016; by 3:00 pm
3.	Pre-bid Meeting date	6 May 2016; 3:00 pm
4.	Posting of response to queries	9 May 2016; 11:00 am
5.	Last date for submission of Bids	23 May 2016; 5:00 pm
6.	Date of opening of technical bids	26 May 2016; 11:00 pm
7.	Date of Presentation of Solution and Approach and Methodology	To be intimated later
8.	Date of opening of Commercial bids	To be intimated later

1. Introduction

1.1. About Directorate of Information Technology, Government of Maharashtra

Directorate of Information Technology (DIT), Government of Maharashtra (GoM) is one of the pioneers in promotion of ICT and e-Governance in India. GoM also believes that Information Technology has changed the way we live and do business, and that Information Technology has huge potential in ensuring timely delivery of citizen services. DIT believes that the development in the field of Information and Communication Technology (ICT) can be effectively leveraged to deliver a variety of information and services to the citizens effectively and efficiently. DIT has been at forefront in implementing e-governance initiatives that focus on citizens' needs and ensure superior service delivery. The state had formulated the e-Governance Policy of Maharashtra, 2011 as a step further to foster e-Governance in the state.

The vision and objective of the state as per the e-Governance Policy of Maharashtra 2011 are as below:

- To maintain and strengthen the leadership of the state in the area of e-Governance and take it towards m-Governance
- Enable citizens to avail of various services online, or at a place near their home, without having to visit Government offices at minimum possible cost
- Enable Government to function more efficiently and move towards a paperless environment

Computerization of various departments, which the Government has taken up recently, aims at achieving this objective of effective and quick delivery of information and services to the citizens.

1.2. Introduction to the Nagpur 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. Nagpur is one of the shortlisted cities for the smart city initiative under Ministry of Urban Development, Government of India.

Apart from the Smart City Proposal that has been put up for the city of Nagpur, Directorate of Information Technology, Government of Maharashtra has decided to take proactive steps to strengthen the initiative by implementing ICT based 'Smart' interventions for Nagpur along with Nagpur Municipal Corporation, Nagpur Police Department and other city administration bodies.

On the onset of its journey to becoming smart, Nagpur city adopted the vision of evolving into an eco-friendly, education city that connects governments, businesses, people and spaces electronically to co-create a clean, green, safe, prosperous and inclusive ecosystem

To achieve its goals, Nagpur city has selected the approach of implementing pan-city initiatives in a phased manner. Initial phase will involve undertaking implementation of Nagpur City Network Backbone, Nagpur City Wi-Fi, Nagpur City Kiosk and Nagpur City Surveillance. Subsequent phases will comprise ICT interventions on Solid Waste Management, Parking, Street Lighting, Traffic Management, Intelligent Transport, Health, Disaster Management and Water Management.

1.3. RFP Format

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

The Request for Proposal (RFP) consists of three volumes viz.

- **RFP Volume 1: Structure of Bid & Bid Process Specifications**

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

- **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.

- **RFP Volume 3: Legal Specifications and Service Level 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 L1. The Contract will be awarded to the bidder quoting the lowest 'Total Price' post technical qualification. Prices inclusive of any applicable taxes, levies etc. will be considered for arriving at L1 price.
2.	Availability of RFP Documents	Download from www.mahatenders.gov.in
3.	Date of RFP Issuance	30/04/2016
4.	Tender document fee (Non-refundable and Not – exempted)	INR 25,000 (INR Twenty Five Thousand only) through e-procurement portal
5.	Bid Security/Earnest Money Deposit (EMD)	INR 5,00,00,000 (INR Five Crores only) through e Procurement portal or by Bank Guarantee (as per format attached in Annexure 5(b))
6.	Last date and time for Submission of Pre-Bid Queries	4 th May 2016, 3:00 pm
7.	Pre-Bid Conference time, date, & venue	6 th May 2016, 3:00 pm Parishad Sabhagraha, 6 th Floor, Mantralaya, Mumbai - 400032
8.	Posting of responses to queries (on website)	www.mahatenders.gov.in
9.	Last Date and time for Bid/Bid submission (On or before)	23 rd May 2016, 5:00 pm
10.	Date, time for Opening of Pre-Qualification Bids	26 th May, 11:00 am
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 and will receive payment is INR only.
13.	Name and Address for Correspondence	Director, Directorate of Information Technology, 7th Floor, Mantralaya, Mumbai – 400032 Tel: 022 – 22044586 Fax: 022 - 22024177 e-Mail ID nagpursmartcityrfp@maharashtra.gov.in

1.5. Definitions/Acronyms

SL #	Term/Acronyms	Description
1.	AAA	Authentication, authorization, and accounting
2.	ANPR	Automated Number Plate Recognition
3.	AP	Access Point
4.	AVLS	Automated Vehicle Locator System
5.	B2C	Business to Citizen
6.	BHC	Benzene Hydro chloride
7.	Bid	Offer by the Bidder to fulfil the requirement of the Purchaser for an agreed price. It shall be a comprehensive technical and commercial response to the RFP
8.	BOM	Bill of Material
9.	CCC	Command and Control Centre
10.	CCTNS	Crime and Criminal Tracking Network & Systems
11.	CCTV	Closed Circuit Television
12.	COC	City Operation Centre
13.	Consortium	<p>A consortium consists of multiple members (not more than Three parties - Lead Bidder + 2 Consortium members) entering into a Consortium Agreement for a common objective of satisfying the Purchaser requirements & represented by lead member of the consortium, designated as a "Lead Bidder".</p> <p>Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder.</p> <p>The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 7.</p> <p>Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit.</p> <p>For the purpose of technical evaluation, net worth and turnover of only the bidding entity will be considered. Net worth and turnover of any</p>

SL #	Term/Acronyms	Description
		parent, subsidiary, associate or other related entity will not be considered.
14.	COP	Common Operating Platform
15.	DBA	Database Administrator
16.	DC	Data Center
17.	DCP	Deputy Commissioner of Police
18.	Deliverables	Products, infrastructure and services agreed to be delivered by the Bidder in pursuance of the agreement as defined more elaborately in the RFP, Implementation and the Maintenance phases and includes all documents related to the user manual, technical manual, design, process and operating manuals, service mechanisms, policies and guidelines (such as security related, data migration related), inter alia payment and/or process related etc., source code and all its modifications.
19.	DIT	Directorate of Information Technology
20.	DNS	Domain Name Server
21.	DR	Disaster Recovery
22.	Effective Date	The date on which the Contract Agreement for this RFP comes into effect
23.	EMD	Earnest Money Deposit
24.	EMS	Enterprise Management System
25.	EMV	Engineering Materials Vehicles
26.	ETA	Estimated Time of Arrival
27.	ETD	Estimated Time of Departure
28.	e-Procurement portal	means the Government of Maharashtra's electronic tendering system listed at www.mahatenders.gov.in
29.	ETM	Electronic Ticketing Machine
30.	FB Camera	Fixed Boxed Camera
31.	FPS	Frames Per Second

SL #	Term/Acronyms	Description
32.	FRS	Functional Requirement Specifications
33.	FTTX	Fiber to the x
34.	G2C	Government to Citizens
35.	GI Pipes	Galvanised iron Pipes
36.	GIS	Geographical Information System
37.	GoM	Government of Maharashtra
38.	GPRS	General Packet Radio Service
39.	GPS	Global Positioning System
40.	GSM	Global Systems for Mobile Communications
41.	GUI	Graphical User Interface
42.	HPSV	High Pressure Sodium Vapour lamps
43.	HDPE	High-Density Polyethylene
44.	HO	Head Office
45.	ICT	Information and Communication Technology
46.	IDS	Intrusion Detection System
47.	IOP	Integrated Operations Platform
48.	IP	Internet Protocol
49.	IPS	Intrusion Prevention System
50.	ITIL	Information Technology Infrastructure Library
51.	JNNURM	Jawaharlal Nehru National Urban Renewal Mission (JNNURM)
52.	KeDB	Knowledge Database
53.	LAN	Local Area Network
54.	LED	Light Emitting Diode
55.	LOI/LOA	Letter of Intent/Letter of Award
56.	MSEDCL	Maharashtra State Electricity Distribution Company Limited

SL #	Term/Acronyms	Description
57.	MAN	Metropolitan Area Network
58.	MoU	Memorandum of Understanding
59.	MSV	Mobile Surveillance Vehicle
60.	MTBF	Mean Time Between Failures
61.	MTTR	Mean Time to Repair
62.	MUX	Multiplexer
63.	NFC	Near Field Communication
64.	NIC	National Informatics Centre
65.	NMC	Nagpur Municipal Corporation
66.	NOC	Network Operations Center A Network Operations Center (NOC) is defined as the place from which the networks are supervised, monitored and maintained. It typically has a network operations center, a room containing visualizations of the network or networks that are being monitored, workstations at which the detailed status of the network can be seen, and the necessary software to manage the networks.
67.	Node	L3 aggregation points consisting of L3 switches
68.	Non-Compliance	means failure/refusal to comply the terms and conditions of the tender
69.	Non-responsive	means failure to furnish complete information in a given format and manner required as per the tender documents or non-submission of tender offer in given forms / pro forma or not following procedure mentioned in this tender or any of required details or documents is missing or not clear or not submitted in the prescribed format or non-submission of tender fee on EMD
70.	O&M	Operations & Maintenance
71.	OEM	Original Equipment Manufacturer
72.	OFC	Optical Fibre Cable
73.	OGC	Open Geospatial Consortium
74.	OS	Operating Systems

SL #	Term/Acronyms	Description
75.	OTP	One Time Password
76.	PA System	Public Address System
77.	PDU's	Power Distribution Units
78.	PIS	Passenger Information System
79.	PoE	Power over Ethernet
80.	PoP	Points of Presence
81.	PTZ	Pan Tilt Zoom
82.	QR Code	Quick Response Code
83.	Required Consents	The consents, waivers, clearances and licenses to use Purchaser Intellectual Property Rights, rights and other authorizations as may be required to be obtained for the software and other items that DIT, GoM their nominated agencies are required to make available to Bidder pursuant to this Agreement;
84.	RF	Radio Frequency
85.	RFID	Radio Frequency Identification
86.	RFP	Request for Proposal
87.	RLVD	Red Light Violation Detection
88.	RoW	Right of Way
89.	RPO	Recovery Point Objective
90.	RTO	Recovery Time Objective
91.	SDPO	Sub-Divisional Police Officer
92.	Service Level	The level of service and other performance criteria which will apply to the Services delivered by the Bidder;
93.	SI	System Integrator
94.	SLA	Service Level Agreement; Performance and Maintenance SLA executed as part of this Master Service Agreement;
95.	SNMP	Simple Network Management Protocol
96.	SMPS	Switched Mode Power Supply

SL #	Term/Acronyms	Description
97.	SOP	Standard Operating Procedure
98.	SOS	Save Our Souls SOS is the international Morse code distress signal
99.	SSID	Service Set Identifier
100.	Successful Bidder	The bidder who is qualified & successful in the bidding process and is awarded the work
101.	TRAI	Telecom Regulatory Authority of India
102.	TRS	Technical Requirement Specifications
103.	UPS	Uninterruptible Power Supply
104.	URL	Uniform Resource Locator
105.	VA	Video Analytics
106.	VaMS	Variable Message System
107.	VCA	Video Content Analytics
108.	VLAN	Virtual Local Area Network
109.	VMS	Video Management Software/System
110.	WAN	Wide Area Network
111.	WSP	Wi-Fi Service Provider

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 Purchaser 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 Purchaser 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 Purchaser. Any notification of preferred bidder status by Purchaser shall not give rise to any enforceable rights by the Bidder. Purchaser may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of Purchaser.
- d. Sealed bids shall be received by the Purchaser on the e-Procurement portal 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 Maharashtra, the offers will be received up to the appointed time on the next working day. The Purchaser may, at its discretion, extend this deadline for submission of offers by issuing corrigendum and uploading the same on e-Procurement portal.
- e. Telex, cable or facsimile offers will be rejected.

2.2. Eligible Bidders

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

The Bidder can be either a Single System Integrator (SI) or a Consortium of companies/corporations as described below.

a. Sole Bidder

The Sole Bidder must be a System Integrator company which has the capabilities to deliver the entire scope as mentioned in the RFP. The Sole Bidder cannot bid as a part of any other consortium bid under this RFP.

b. Consortium of Firms

Bids can be submitted by a consortium of firms. A consortium should not consist of more than three parties (including the Lead Bidder). One of the Firms would be designated as a "Lead Bidder". The Lead Bidder would have the sole responsibility of ensuring the delivery of products and services mentioned in all volumes of this RFP. The Lead Bidder

would also be responsible for ensuring the successful execution of integrated solution including meeting the SLAs. The list of Consortium Members needs to be declared in the bid which cannot be changed by the bidder later on. Any change in the consortium partner will need to be approved by Purchaser.

The Lead Bidder will be responsible for:

- i. The management of all Consortium Members who are part of the bid, and
- ii. The supply, delivery and installation of all products and services submitted in their bid and as part of the contract

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

- i. The Lead Bidder shall be authorized to incur liabilities and receive instructions for and on behalf of any and all consortium members. Entire execution of the Contract, including payment, shall be done exclusively by/with the Lead Bidder
- ii. Any firm which is not a Lead Bidder to this RFP can be a partner in any number of bids submitted against this RFP
- iii. Any of the Lead Bidders cannot be a Consortium Member with another bidder in a separate bid
- iv. Internal arrangement between the Consortium Members is left to the bidders. It is the responsibility of the lead Bidder to ensure that all the other Consortium Members in the bid are compliant to all the clauses as 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 Purchaser 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, including cost of presentations etc. for the purposes of clarification of the bid, if so desired by the Purchaser.

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 Purchaser 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.

Purchaser 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 Purchaser.

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

Purchaser will organize a pre-bid conference and will respond to any request for clarification or modification of the bidding documents. Purchaser 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.

Purchaser shall endeavour to provide timely response to all queries. However, Purchaser makes no representation or warranty as to the completeness or accuracy of any response made in good faith. Purchaser 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 Purchaser 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 Purchaser.

Any corrigendum/notification issued by Purchaser, 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 Rs. 25,000/- (Rupees Twenty Five Thousand Only) 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 Rs. 5,00,00,000/- (Rupees Five Crores Only) shall be paid online through either e-Procurement portal, or through a Bank Guarantee. 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 Purchaser 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.

The above mentioned refund would be completed within 3 months of the release of the RFP.

In case bid is submitted without the bid security then Purchaser 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)	<ul style="list-style-type: none"> a. RFP Document Fee receipt b. Bid Security/Earnest Money Deposit (EMD) receipt
Two	Pre-Qualification bid	<ul style="list-style-type: none"> a. Pre-Qualification bid as per Section 6.1 and 6.2 along with the required supporting documents. b. No Deviation Certificate as per Section 6.3 c. Total Responsibility declaration as per Section 6.4
Three	Technical bid	<ul style="list-style-type: none"> a. Technical Bid b. Response to FRS & TRS c. Masked Commercial bid
Four	Commercial bid	<ul style="list-style-type: none"> a. Commercial bid

- a. All documents must be uploaded on the e - Procurement portal
- b. Please note that Prices should NOT be indicated in the Pre-Qualification Bid or Technical Bid but should only be indicated in the Commercial Bid.
- c. 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.
- d. 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 initialled by the person (or persons) who sign(s) the bids.
- e. All pages of the bid shall be initialled and stamped by the person (or persons) who sign the bid.
- f. Failure to submit the bid before the submission deadline specified in the Fact Sheet would cause a bid to be rejected.

g. Purchaser 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
4.	About Bidder	As per format provided in section 6.3 of this document.
5.	Legal	<ol style="list-style-type: none"> 1. Copy of Certification of Incorporation/Registration Certificate 2. PAN card 3. VAT registration <p><i>As per Pre-qualification criteria – SI # 1</i></p>
6.	Annual Turnover	<p>Details of annual turnover with documentary evidence.</p> <p><i>As per Pre-qualification criteria – SI # 2</i></p>
7.	Net worth	<p>Details of net worth with documentary evidence.</p> <p><i>As per Pre-qualification criteria – SI # 3</i></p>
8.	Certification	<p>Relevant ISO certification</p> <p><i>As per Pre-qualification criteria – SI # 5</i></p>
9.	Self-certificate for non-blacklisting clause	<p>As per format provided in section 6.4.</p> <p><i>As per Pre-qualification criteria – SI # 6</i></p>
10.	Power of Attorney	Documentary evidence as per format provided in Annexure 8 and 9

Section #	Section Heading	Details
11.	Project Experience	Citation details of projects as per format in Section 7.4 and 6.7, as applicable. <i>As per Pre-qualification criteria – SI # 7 & 8</i>
12.	No Deviation Certificate	As per format provided in section 6.5
13.	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"> • Details about bidder (whether sole bidder or consortium) • Bidder's General Information as required in Technical Criteria 3.6.1
4.	Understanding	Details as required in Technical Criteria 3.6.1.
5.	Solution proposed	Details as required in Technical Criteria 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"> • Project plan as per format provided in Section 7.5.2 • Manpower Plan as per format provided in section 7.5.3 I & II • Summary of resources as per format provided in Section 7.6.1 • CV of resources as per format provided in Section 7.7
9.	Manufacturers'/Producers' Authorization Form	As per format provided in section 7.8

10.	Anti-Collusion Certificate	As per format provided in section 7.9
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.

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, Purchaser 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 e-procurement portal website from time to time for any amendment in the RFP document. In case of failure to get the amendments, if any, Purchaser shall not be responsible.

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

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 Purchaser 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.

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

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

2.19. Right to Terminate the Process

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

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. Purchaser reserves the right to reject in full or part, any or all bids without assigning any reason thereof. Purchaser reserves the right to assess the Bidder's capabilities and capacity. The decision of Purchaser 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, Purchaser 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 Purchaser, 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 increases its quoted prices
- b. The bidder's bid is conditional and has deviations from the terms and conditions of RFP
- c. Bid is received in incomplete form
- d. Bid is not accompanied by all the requisite documents
- e. Information submitted in technical bid is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period if any
- f. Financial bid is enclosed with the same document as technical bid.
- g. Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process
- h. In case any one party submits multiple bids or if common interests are found in two or more bidders, the bidders are likely to be disqualified, unless additional bids/bidders are withdrawn upon notice immediately

- i. If any of the Lead Bidder is also partner in any other bid, then all the affected bids shall be disqualified

2.24. Key Personnel

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

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

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

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

In any such case, the Purchaser'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 Purchaser of the date of each evaluation of each member of the Key Personnel. Purchaser shall be entitled to provide inputs to the bidder for each such evaluation. Bidder shall promptly provide the results of each evaluation to Purchaser, subject to Applicable Law.

2.24.3. Replacement

In case any proposed resource resigns, then the Bidder has to inform Purchaser 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 Purchaser.

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

- a. a resume, curriculum vitae and any other information about the candidate that is reasonably requested by Purchaser; 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 Purchaser 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. Purchaser will not be responsible for any knowledge transition to the replacement resource and any impact/escalation of cost incurred by the bidder due to resource replacement.

2.24.4. High Attrition

If in the first 6 month period from the Contract Effective Date and in any rolling 12 months period during the Term of contract, 15 percent or more of the members of the Key Personnel cease or reduce their involvement in the Services for any reason other than with Purchaser's prior written consent, Bidder shall:

- a. provide Purchaser 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, Purchaser 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, Purchaser 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 Purchaser for, inter alia, time, cost and effort of Purchaser, in regard to the RFP, including consideration and evaluation of such Bidder’s Bid.

- b. Without prejudice to the rights of Purchaser under Clause above and the rights and remedies which Purchaser may have under the LOI or the Agreement, if a Bidder is found by Purchaser 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 Purchaser during a period of 3 years from the date such Bidder is found by Purchaser 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 Purchaser 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 Purchaser, 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 Purchaser 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 Purchaser 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, Purchaser shall forfeit and appropriate the EMD, if available, as mutually agreed genuine pre-estimated compensation and damages payable to Purchaser for, inter alia, the time, cost and effort of Purchaser including consideration of such Bidder’s Bid, without prejudice to any other right or remedy that may be available to Purchaser hereunder or otherwise.
- b. Purchaser requires that the bidder provides solutions which at all times hold Purchaser’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 Purchaser.

2.27. Sub-Contracting

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

- Fibre optic network build, other cabling and fixtures work, and all civil work during implementation
- Facility Management Staff at Command Control Center & City Operation Center

Sub-contracting / Outsourcing shall be allowed only with prior written approval of Purchaser. However, even if the work is sub-contracted / outsourced, 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 Purchaser.

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. The procurement through MSEs should be in line with Order dated 23rd March 2014 regarding procurement policy for Micro and Small Enterprises (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. The Bidder shall quote only one specific make and model from only one specific OEM, for each of the goods. Providing more than one option shall not be allowed. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.
- c. The OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 3 years as on the date of release of the RFP.
- d. All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFP.
- e. The OEM for all active components should give a declaration that products or technology quoted are neither end of- sale nor end-of-life as on the date of installation and commissioning and are not end-of-support till the successful completion of O&M period of the project.
- f. The proposed OEM should have installed base of at least 20% of the quoted product or technology.
- g. Bidder must quote products in accordance with above clause “Eligible goods and related services.
- h. The bidder’s proposed OEM(s) for the following solutions must be included in the Gartner magic quadrants (in either Leaders or Challengers quadrant) as on the day of submission of bid. Gartner Reports released in the last 1 year to be referred and submitted.
 - i) Wired and Wireless LAN Access Infrastructure
 - ii) Data Centre Networking
 - iii) Enterprise Network Firewalls
 - iv) Intrusion Prevention Systems
 - v) Modular Servers
- i. The OEM for surveillance equipment should have a minimum installation base of 50,000 IP based cameras across the globe as on 31st Mar 2016.

- j. The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects (globally) with at least 1000 cameras in last 3 years as on date of submission of bid.
- k. The Integrated Operations Platform (IOP) proposed by the Bidder must be operational in minimum 2 City wide projects (globally) with at least 1000 cameras/sensors in last 3 years.
- l. The OEM of each product or technology should have quality certifications like ISO 9001:2000 & ISO 14001 or equivalent.
- m. The bidder's proposed OEM should not have been blacklisted by any State / Central Government Department or Central /State PSUs as on bid submission date.
- n. Each of the proposed OEMs should either have existing capability and infrastructure to provide 24x7x365 technical support in India, or should provide an undertaking that they would establish the requisite infrastructure and capability to provide 24x7x365 technical support, on emerging a winner in this bidding process.

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

2.30. 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 Purchaser 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 Purchaser 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 Purchaser adequate notice of a proposed visit of at least fourteen (14) days. Alternatively, the Purchaser 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 Purchaser 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 qualifying marks in Technical Bid.

3.2. Preliminary Examination of Bids

Purchaser 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 Purchaser 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, Purchaser 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

Purchaser 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 confirmations 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. Purchaser 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, Purchaser 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. Purchaser 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 Purchaser’s discretion.
- c. The bidders' technical solutions proposed in the bid document shall be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in Section 3.6.
- d. Bidders may be asked to give demonstration of the envisaged solution to Purchaser as per the demo scripts that shall be shared with the Bidders who qualify the Pre-Qualification Stage.
- e. Bidders shall present the bid to Purchaser as per the agenda mentioned in Section 3.6.1 (Point no. C) – “**Approach & Methodology & Solutions proposed**”
- f. Each Technical Bid will be assigned a technical score out of a maximum of 1000 marks. Only the bidders who get an Overall **Technical score of 75%** or more and minimum 70% in each section of the Technical Evaluation Framework as given in Section 3.6 will qualify for commercial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid.

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 Purchaser’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 bidder that has quoted the lowest Total Price (Capex price + Opex price) shall be awarded the contract. For the purpose of arriving at L1, prices inclusive of any applicable taxes and levies etc. will be considered.
- e. The bid price shall include all taxes and levies and shall be in Indian Rupees and mentioned separately.

- f. Kindly note that the indicative/estimated quantity provided in the RFP would be used for evaluation purposes; however the payment would be done on actual usage basis.

3.5. Pre-Qualification Criteria

SI #	Pre-Qualification Criteria	Documentary Evidence
1.	<p>The Sole Bidder or, in case of a consortium, the Lead Bidder and each of the members of the consortium should be registered under Companies Act, 1956 or as amended.</p> <p>The Sole Bidder or the Lead bidder in case of a consortium should be in operation in India for a period of at least 10 years as on 31st March 2016. In case of a Consortium, each of the consortium member other than the Lead Bidder should be in operation in India for a period of at least 5 years as on 31st March 2016</p>	<p>The Sole Bidder or the Lead Bidder and each Member of Consortium:</p> <ol style="list-style-type: none"> 1. Copy of Certification of Incorporation/Registration Certificate 2. PAN card 3. VAT registration 4. A written undertaking from each of the consortium members, in case of a consortium, duly signed by the authorised signatory, holding a written special power of attorney for this bid on a stamp paper, authorising the lead bidder incur liabilities and receive instructions for and on behalf of any and all consortium members, and the entire execution of the Contract, including but not limited to payments.
2.	<p>The Sole Bidder or the Lead Bidder of consortium should have an average annual turnover of minimum INR 1000 crore with minimum average turnover of INR 500 crore from one or more of the “specific business areas” mentioned below over the last three financial years (FY 2012-13, 2013-14 and 2014-15) and, in case of a Consortium, the average annual turnover for each of the consortium members over the last three Financial Years (FY11-12, FY12-13 and FY13-14) should be INR 100 crore or more from one or more of the “specific business areas” mentioned below.</p> <p>Specific Business Areas</p> <ul style="list-style-type: none"> • ICT Infrastructure • Telecom Infrastructure 	<p>The Sole Bidder or the Lead Bidder and all other Members of Consortium:</p> <ol style="list-style-type: none"> 1. Audited financial statements for the last three financial years (FY 2012-13, 2013-14 and 2014-15) 2. Certificate from the Statutory Auditor on turnover details from the “specific business areas” over the last three (3) financial years (FY 2012-13, 2013-14 and 2014-15)

SI #	Pre-Qualification Criteria	Documentary Evidence
	<ul style="list-style-type: none"> • IT System Integration Services 	
3.	<p>The Sole Bidder or the Lead Bidder should have positive net worth as per the audited consolidated financial statements in each of the last 3 financial years (FY 2012-13, 2013-14, 2014-15).</p> <p>For the purpose of this criterion, net worth of only the bidding entity will be considered.</p>	<p>The Sole Bidder or the Lead Bidder</p> <ol style="list-style-type: none"> 1. Certificate from the Statutory Auditor on net worth
4.	<p>The Sole Bidder or the Lead Bidder of consortium, in case of a Consortium, should have office in the State of Maharashtra or should furnish an undertaking that the same would be established within one month of signing the contract, if project is awarded</p>	<p>The Sole Bidder or the Lead Bidder</p> <ol style="list-style-type: none"> 1. List and address of offices in Maharashtra with Sales Tax registration <p>OR</p> <p>Undertaking from authorized signatory to open the local office with Sales tax registration. within 90 days from issuance of LOI/ award of contract</p>
5.	<p>The Sole Bidder or the Lead bidder of consortium, in case of a Consortium, should possess any one of the below Certifications which are valid at the time of bidding:</p> <ul style="list-style-type: none"> • ISO 9001 • ISO 20000:2011 for IT Service Management • ISO 27001:2005 for Information Security Management System • Any Other Equivalent Certification 	<p>The Sole Bidder or the Lead Bidder</p> <ol style="list-style-type: none"> 1. Copies of valid certificates in the name of the bidding entity
6.	<p>The Sole bidder or the Lead Bidder and each members of the consortium member, in case of a Consortium, should not have been black-listed by any State / Central Government Department or Central /State PSUs as on bid submission date</p>	<p>The Sole Bidder or the Lead Bidder and all other Members of Consortium:</p> <ol style="list-style-type: none"> 1. Legal Attorney certified letter of undertaking to this effect on the letter head, co-signed by bidders' authorized signatory.

SI #	Pre-Qualification Criteria	Documentary Evidence
		In case of consortium, this needs to be provided by each of the consortium member.
7.	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed at least one project related to setting up of Wide Area Networks (OFC Network or Electronic components or both) of at least 100 nodes having minimum value of INR 20 crore in India during last five years for Central/State Government departments/entities including PSUs or ULBs.	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. 2. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead <p>OR</p> <p>Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorised signatory for this bid holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
8.	The Sole Bidder or the Lead Bidder of any consortium member (in case of consortium) should have been awarded and successfully executed at least two projects on Video surveillance systems in the last five years each having value of more than INR 10 crore and at least one project should comprise of any two out of the following sub systems connected by IP network: <ul style="list-style-type: none"> • Video analytics • ANPR systems 	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. 2. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead <p>OR</p> <p>Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter</p>

SI #	Pre-Qualification Criteria	Documentary Evidence
	<ul style="list-style-type: none"> • Traffic Enforcement System (TES) including Traffic Light, and other traffic violations linked with ANPR • Installation of Variable Message Signboards (VMS) and Public Address System (PAS) 	<p>signed by authorised signatory for this bid holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>

3.6 Technical Evaluation Framework

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

Section #	Evaluation Criteria	Total Marks	Minimum Sectional Qualifying Marks
A.	Sole bidder/Lead Bidder Profile	100	70
B.	Project Experience	500	350
C.	Approach & Methodology & Solutions proposed	250	175
D.	Proposed resources	150	105
Overall Technical Score Total		1000	

Important: Qualification criteria for technical evaluation and progression to commercial evaluation stage.

- Minimum 70% of the maximum allotted marks in each section as given in the table above

AND

- Minimum 75% marks of the overall technical score total.

N.B- Purchaser (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 Criteria & Evaluation

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
A.	Sole bidder/ Lead bidder Profile (Max. 100 marks)			
A1	Annual turnover	<p>Average annual turnover from “Specific Business Areas” as mentioned below for Sole bidder or Lead bidder (in case of consortium) over the last three Financial years (FY 2012-13, 2013-14 and 2014-15).</p> <p>Marks shall be allotted as given below:</p> <ul style="list-style-type: none"> • More than INR 1200 Crore = 70 marks • More than INR 1000 – up to INR 1200 Crore = 65 marks • More than INR 700 – up to INR 1000 Crore = 60 marks • More than INR 500 - up to INR 700 Crore = 50 marks <p>“Specific Business Areas”</p> <ul style="list-style-type: none"> • ICT Infrastructure • Telecom Infrastructure • IT System Integration Services 	70	<p>Sole Bidder or Lead Bidder of the consortium</p> <p>1. Certificate from the Statutory Auditor on turnover details from the “specific business areas” over the last three (3) financial years (FY 2012-13, 2013-14 and 2014-15)</p>
A2	Manpower	Full time employee on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing “specific business areas” as mentioned in the above criteria as on date of release of RFP.	30	Sole Bidder or Lead Bidder of the consortium

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
		<p>Marks shall be allotted as given below:</p> <ul style="list-style-type: none"> • More than 1,000 full-time employees =30 marks • Between 751-1000 full-time employees =25 marks • Between 501 –750= 20marks • Between 250 – 500 = 15 marks • Below 250 full-time employees = Nil marks 		<ol style="list-style-type: none"> 1. Certificate from the Head of HR Department or equivalent on bidding entity's letter head countersigned by authorised signatory for this bid holding written special power of attorney on stamp paper
B.	Project Experience (Max –500 marks)			
B1	WAN Projects	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed & commissioned project(s) related to setting up of Wide Area Networks (OFC Network or Electronic components or both) of at least 100 nodes having minimum value of INR 20 crore in India during last five years as on the date of release of RFP.</p> <p>Marks shall be allotted as given below:</p> <ul style="list-style-type: none"> • Each Project with 100 nodes (with minimum value INR 20 Cr) = 30 marks • Each Project with 200 nodes (with minimum value INR 20 Cr) = 40 marks • Each Project with 300 nodes (with minimum value INR 20 Cr) = 50 marks 	100	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. 2. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorised signatory for this bid holding written special power of attorney on stamp paper along with

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
		Maximum marks = 100 marks		<p>the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
B2	NOC	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed & commissioned project(s) related to the setting up and management of Network Operation Centre (NOC) for a network of 100 or more nodes in India.</p> <p>Marks shall be allotted as below:</p> <ul style="list-style-type: none"> • Each Project with 100 nodes = 30 marks • Each Project with 200 nodes = 40 marks • Each Project with 300 nodes = 50 marks <p>Maximum marks = 100 marks</p>	100	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. 2. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorised signatory for this bid

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
				<p>holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
B3	City Surveillance Projects	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed & commissioned project(s) on Video surveillance systems during last five years as on the date of release of RFP each having value of more than INR 10 crore comprising of any two out of the following sub systems connected by IP network:</p> <ul style="list-style-type: none"> • Video analytics • ANPR systems • Traffic Enforcement System (TES) including Traffic Light, and other traffic violations linked with ANPR • Installation of Variable Message Signboards (VMS) and Public Address System (PAS) 	100	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. 2. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
		<p>Marks shall be allotted as below:</p> <ul style="list-style-type: none"> Each Project with 2 sub-systems (with min. value INR 10 Cr) = 30 marks Each Project with 3 sub-systems (with min. value INR 10 Cr) = 40 marks Each Project with 4 sub-systems (with min. value INR 10 Cr)) = 50 marks <p>Maximum marks = 100 marks</p>		<p>authorised signatory for this bid holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
B4	City Surveillance Projects	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed & commissioned video surveillance project(s) with more than 100 outdoor CCTV IP cameras in each project during last five years as on the date of release of RFP</p> <p>Marks shall be allotted as below:</p> <ul style="list-style-type: none"> Each Project with 100 outdoor CCTV IP cameras = 30 marks Each Project with 200 outdoor CCTV IP cameras = 40 marks 	100	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead OR

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
		<ul style="list-style-type: none"> Each Project with 300 outdoor CCTV IP cameras = 50 marks <p>Maximum marks = 100 marks</p>		<p>Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorised signatory for this bid holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
B5	Wi-Fi Projects	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully executed & commissioned project(s) on setting up of Wi-Fi with at least 50 hotspots in last 3 years as on the date of release of RFP.</p> <p>Marks shall be allotted as given below:</p> <ul style="list-style-type: none"> Each Project with 25 Wi-Fi hotspots = 25 marks Each Project with 50 Wi-Fi hotspots = 30 marks 	100	<p>Sole Bidder/any Member of Consortium:</p> <ol style="list-style-type: none"> Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the competent authority of the client entity on the entity's letterhead <p>OR</p>

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
		<ul style="list-style-type: none"> Each Project with 100 Wi-Fi hotspots = 40 marks Each Project with 150 Wi-Fi hotspots = 50 marks <p>Maximum marks = 100 marks</p>		<p>Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorised signatory for this bid holding written special power of attorney on stamp paper along with the official contact details of the competent authority of the client entity. The purchaser reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion/self-certificate may specify successful execution and in-operation status of a part of the order meeting the requirement. The format of the self-certificate is provided in Section 6.7 of RFP volume I.</p>
C	Approach & Methodology & Solutions proposed (Max. 250 marks)			
C1	Robustness & quality	<ul style="list-style-type: none"> Adequacy, robustness and scalability of proposed solution 	150	Assessment to be based on a note covering all requirements as mentioned & Presentation made by Bidder before the Tender Committee.

SI #	Criteria Category	Evaluation criterion details	Max. Marks Allotted	Supporting Documents required
C2	Understanding	<ul style="list-style-type: none"> • Demonstrated level of understanding of the scope of work and all aspects of the project • Project implementation plan/ Risk Mitigation Plan/ Strategy/SLA • Operations and maintenance plan including comprehensiveness of fall back strategy 	100	
D	Proposed resources (Max. 150 marks)			
		<ul style="list-style-type: none"> • Project Director – 20 marks • Project Manager – 25 marks • Solution Architect – 15marks • Enterprise Architect – 15 marks • Network Architect – 15 marks • CCTV Expert – 15marks • Wi-Fi Expert – 15 marks • QA Manager – 15marks • Master Trainer – 15marks 	150	

3.5.1. 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 Manpower for the Project. Any changes in Manpower deployment will have to be approved by the purchaser.

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
1.	Project Director	<ul style="list-style-type: none"> a. Education: Full Time MBA/MCA/M. Tech & B. Tech/B.E. from a reputed institute b. Total Experience: At least 15 years in IT sector c. Should have more than 8 years of experience of handling such large projects
2.	Project Manager	<ul style="list-style-type: none"> a. Education: Full Time MBA/MCA/M. Tech & B. Tech/B.E. from a reputed institute b. Total Experience: At least 12 years in IT sector c. Should have more than 5 years of experience of handling such large projects as a project manager d. Should preferably have PMP or Prince2 certification
3.	Solution Architect	<ul style="list-style-type: none"> a. Education: Full time MCA/M. Tech/B. Tech/B.E. from a reputed institute b. Total Experience: At least 8 years in IT sector c. Should have experience of more than 3 years as Solution Architecture in large projects of similar nature
4.	Enterprise Architect	<ul style="list-style-type: none"> a. B.Tech / M.Tech with at least 8 years from reputed institute b. Should have designed enterprise level solutions of similar nature for at least 2 projects
5.	Network Architect	<ul style="list-style-type: none"> a. B.Tech / M.Tech with at least 8 years from a reputed institute b. Should have experience in designing & implementing network solutions for at least 3 similar projects.

		Preference will be given to the experts with CCNP certifications
6.	CCTV Expert	<ul style="list-style-type: none"> a. B.Tech/ M.Tech/Post graduates with at least 8 years of experience from reputed institute b. Should have experience in designing & implementing CCTV solutions for at least 2 projects of similar size.
7.	Wi-Fi Expert	<ul style="list-style-type: none"> a. B.Tech/ M.Tech with at least 8 years of experience from reputed institute. b. Should have designed and implemented at least 2 solutions of similar nature
8.	QA Manager	<ul style="list-style-type: none"> a. B.Tech / M.Tech/MBA/MCA with from reputed institute b. Should have a minimum of 5 + years of experience
9.	Master Trainer	<ul style="list-style-type: none"> a. B.Tech / M.Tech/MBA/MCA with from reputed institute b. Should have a minimum 4 years of experience in conducting trainings for similar applications & solutions

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

4. Award of Contract

4.1. Notification of Award

Purchaser 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.

4.2. Signing of Contract

After the notification of award, Purchaser will issue Purchase Order (PO)/Letter of Intent (LOI). Accordingly, a contract shall be signed between successful bidder and Purchaser or the agency designated by Purchaser. As an acceptance of the PO/LOI, the Bidder shall sign and return back a duplicate copy of the Purchase Order to Purchaser or the agency designated by

Purchaser. 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, Purchaser or the agency designated by Purchaser 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 Purchaser. 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 Purchaser, 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 Purchaser,
- c. Misrepresents facts/information submitted to Purchaser

The performance bank guarantee shall be valid till satisfactory completion of Post Implementation Support. The performance bank guarantee may be discharged/returned by Purchaser 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), Purchaser shall have the right to invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of Purchaser under the contract in the matter, the proceeds of the PBG shall be payable to Purchaser as compensation for any loss resulting from the bidder's failure to perform/comply its obligations under the contract.

Purchaser 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. Purchaser 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 Purchaser.

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.

Purchaser 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 Purchaser and within time specified and acceptable to Purchaser.

If the successful bidder, having been notified, fails to remedy the defect(s) within the period specified in the contract, Purchaser 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 Purchaser 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 Purchaser.

The successful bidder hereby warrants Purchaser 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 Purchaser may award the contract to the next best value bidder or call for new bids.

In such a case, Purchaser 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

SI #	Checklist Items	Compliance (Yes or No)	Page No. and Section No. in bid
1.	RFP Document fees		
2.	Earnest Money Deposit		
3.	Pre Qualification Covering letter		
4.	Consortium Agreement, if applicable as per Annexure 7		
5.	<ul style="list-style-type: none"> • Copy of Certification of Incorporation/Registration Certificate • PAN card • VAT registration • 		
6.	Audited financial statements for the last three financial years (FY 2012-13, 2013-14 and 2014-15). And Certificate from the Statutory Auditor		
7.	Declaration of non-blacklisting		
8.	Power of attorney for Lead Bidder of Consortium		
9.	Project Citations and Self-certifications, as applicable		
10.	No Deviation Certificate		
11.	Total Responsibility Certificate		
12.	Valid ISO certification		

6.2. Pre-Qualification Bid Covering Letter

Date: dd / mm / yyyy

To,

Director,
Directorate of IT, Government of Maharashtra,
7th Floor Annexe Building, Mantralaya Mumbai – 400 032

Sub: Request for Proposal for Selection of System Integrator for Implementation of Nagpur Smart City Solution for DIT, Govt. of Maharashtra

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

Dear Sir,

With reference to your “**Request for Proposal for Selection of System Integrator for Implementation of Nagpur Smart City Solution for Purchaser**”, 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 Purchaser 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 INR 5 Crores and Tender fee of INR 25,000 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 **Purchaser** 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 **Purchaser** may cancel the bidding process at any time and that **Purchaser** 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 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 (required for both bidder and consortium member)

C. Financial Turnover

The financial turnover of the company is provided as follows:

	2012 – 13	2013 – 14	2014 – 15
Annual Turnover			

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

Positive net worth of the last five financial years as on 31.03.2015. Copy of self-certified statutory auditor certificate to be submitted along with the bid

D. Certifications (required for both bidder and consortium member)

Provide copy of valid certification for ISO certifications as required in Pre-Qualification criteria as on release date of the RFP.

6.4. Declaration of Non-Blacklisting

(To be provided on the Company letter head)

Declaration for Lead Bidder:

Place

Date

To,

Director,
Directorate of IT, Government of Maharashtra,
7th Floor Annexe Building, Mantralaya Mumbai – 400 032

Subject: Self Declaration of not been blacklisted in response to the Request for Proposal for selection of **System Integrator for Implementation of Nagpur Smart City Solutions for DIT, Govt. of Maharashtra**

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,

Director,
Directorate of IT, Government of Maharashtra,
7th Floor Annexe Building, Mantralaya Mumbai – 400 032

Subject: Self Declaration of not been blacklisted in response to the Request for Proposal for selection of **System Integrator for Implementation of Nagpur Smart City Solutions for DIT, Govt. of Maharashtra**

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.

(Authorised 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.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

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

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

Name of the Project	
Client's Name, Contact no. and Complete Address	
Contract Value for the bidder (in INR)	
Current status of the project (Completed/Ongoing)	
Activities completed by bidding entity as on bid submission date <i>(N.B Only relevant activities as sought in the Criteria to be included)</i>	
Value of Work completed for which payment has been received from the client.	
Date of Start	
Date of Completion	

(Authorised 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

SI #	Checklist Items	Compliance (Yes or No)	Page No. and Section No. in 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 (BoM)		
9.	Manufacturers'/Producers' Authorization Form		
10.	Anti-Collusion certificate		
11.	Non-disclosure agreement		

7.2. Technical Bid Covering Letter

Date: dd/mm/yyyy

To,

Director,
Directorate of IT, Government of Maharashtra,
7th Floor Annexe Building, Mantralaya Mumbai – 400 032

Subject: Request for Proposal for selection of **System Integrator for Implementation of Nagpur Smart City Solutions for DIT, Govt. of Maharashtra**

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 Nagpur Smart City Solution for Purchaser”** 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 DIT, Government of Maharashtra 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 Purchaser.

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 INR)	Project Components	Documentary evidence provided (Yes or No)	Project Status (Completed or Ongoing or Withheld)
1							
2							
3							
4							
5							
6							
7							

- *Client type – Indicate whether the client is Government or PSU or Private*
- *Project Components – Indicate the major project components like setting up of NOC, Wide Area Network, city/ public Wi-Fi, 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 INR)	
Date of Start	
Date of Completion	
Activities undertaken by prime bidder or consortium member	

N.B - 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.	<p>Understanding of requirement and Implementation approach</p> <ul style="list-style-type: none"> • Understanding of requirements • Work Plan & its adequacy
2.	<p>Robustness and quality</p> <ul style="list-style-type: none"> • End to end integrated solution proposed • Hardware deployment and integration approach encompassing all solutions • Timelines and modalities for implementation in a time bound manner • Project implementation approach or strategy and operations and maintenance plan including comprehensiveness of fall-back strategy and planning during rollout • Any other area relevant to the scope of work and other requirements of the project
3.	<p>Assessment of Manpower deployment, Training and Handholding plan</p> <ul style="list-style-type: none"> • Deployment strategy of Manpower • Contingency management • Mobilization of existing resources and additional resources as required • Training and handholding strategy

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.	Item of Activity	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
<i>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.</i>		

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	Month 12		
1	Project Director								Onsite
									Offsite
2	Project Manager								Onsite
3	Solution Architect (DC)								Onsite
4	Enterprise Architect								Onsite
5	Networking Architect								Onsite
6	CCTV expert								Onsite
7	QA Manager								Onsite
8	Master Trainer								Onsite
9	<Add more rows as required>								Onsite
Total									

II. After Go-Live (Operation & Maintenance)

Manpower distribution							
S. No.	Manpower	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

Sl. No.	Name of the Resource	Proposed Role	Highest degree	Basic Qualification (E.g. B.Sc. or B.E. or MCA or Diploma)	Certifications (ex. PMI 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 present position and last 2 firms, list in reverse order, giving for each employment: dates of employment, name of employing organization, positions held.]</i>			

1	Name:	
8.	Detailed Tasks Assigned	<i>(List all tasks to be performed under this project)</i> ▶
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 Section 4 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. Bidder should refer to the Indicative BoM provided in the Annexure VI of RFP Volume II, and should reproduce the same here. Kindly note that any additional items required should be clearly mentioned under 'additional line items' category towards the end of this table, and a lump sum price of all additional items should be quoted for in the commercial proposal as such. Also note that details of the make/brand and model against each line item, wherever applicable, should be mentioned. 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 Bidder may add any additional line item (with adequate details) in the proposed BoM table below (towards the end of the table), that may be required to fulfill the RFP and project requirements in totality. The Bidder may provide a lump sum price for any additional item(s) that may be required to fulfil the RFP and project requirements in totality, towards the end of the table. Kindly note that the indicative/estimated quantity provided in the RFP would be used for evaluation purposes; however the payment would be done on actual usage basis.

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
A	City Network Backbone					
	24 Core Optical Cable	KM				
	24 Core Rack Mounted LIU	No.				
	Aggregation Layer - Zone Level covering 10 zones					
	Aggregation Router	No.				
	Aggregation Switch	No.				
	Access Switch (L3)	No.				
	Network Switch Ruggedised	No.				
	SFP Module	No.				
	Fiber Testing and Automated solution management system	No.				
	42 U Rack	No.				
	Power Equipment (-48 Volt power source with battery, distribution box etc.)	Lot				
	UPS (sizing as per proposed solution)	No.				
	Air Conditioning 2 Ton	No.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Site Preparation Price	Lump Sum				
	Access Layer - Ward Level covering 136					
	Access Router	No.				
	Access Switch (L3)	No.				
	Network Switch Ruggedised	No.				
	SFP Module	No.				
	Junction Box	No.				
	Site Preparation Price	Lump Sum				
	Air Conditioning 2 Ton	No.				
	UPS (sizing as per proposed solution)	No.				
B	City Operation Centre					
	Core Infrastructure					
	Core Router	No.				
	Core Switch	No.				
	Internet Router	No.				
	Intranet Firewall	No.				
	Internet Firewall	No.				
	IPS / IDS	No.				
	Access (L3) Switch	No.				
	Network Switch Ruggedised	No.				
	42U Network Rack	No.				
	Blade Chassis	No.				
	SAN Switch	No.				
	UPS (sizing as per proposed solution)	No.				
	Air Conditioning 2 Ton	No.				
	Workstations (Desktop)	No.				
	Multifunction Device	No.				
	Site Preparation	Lump Sum				
	Fire Alarm System	Set				
	Biometric access control system	Set.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Dome cameras for internal surveillance	No.				
	Rodent Repellent system	Set				
	Diesel Generator	No.				
	Core Solutions					
	Integrated Operation Platform (IOP)	No.				
	Antivirus Solution	Lot				
	GIS Map	Unit				
	Enterprise Management System	Lot				
	City Kiosk Operation Center Infrastructure					
	Communication server	No.				
	Web server	No.				
	Application server	No.				
	Database Server	No.				
	Interface server	No.				
	Storage	Tb				
	City kiosk Operation Centre Software solutions					
	Server Operating System	No.				
	Data adaptation management	FP				
	Kiosk services management	FP				
	Messaging & communication	FP				
	Kiosk terminal management	FP				
	Services interfacing component	FP				
	Partner content management	FP				
	Database Server Licenses	Lot				
	Web Server Licenses	Lot				
	City Wi-Fi Operation Center Infrastructure & Software Solutions					
	Wireless Intrusion Prevention System	No.				
	Centralised Wi-Fi Management System	No.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Application Server	No.				
	Database Server	No.				
	Wireless Controller with AP licenses	No.				
	Server Operating System	No.				
	Database Server Licenses	Lot				
	CCTV Surveillance City Operation Center Infrastructure					
	Video Wall	Unit				
	Keyboard Joystick to control PTZ Cameras	No.				
	Access Switch (L3)	No.				
	Near DR Site infrastructure (as per requirement)	Lump Sum				
	“Smart Strip” Infrastructure & Software Solutions					
	Storage	Tb				
	Smart Transport & ICT enabled Solid Waste Management Infrastructure					
	VTS Server	No.				
	Fleet Management & PIS Server	No.				
	Database Server	No.				
	Web Server	No.				
	Smart Transport & ICT enabled Solid Waste Management Software Solutions					
	Server Operating System	No.				
	VTS, Fleet Management & PIS Application Server	No.				
	Database Server Licenses	No.				
	Web Server Licenses	No.				
	Mobile Application	No.				
	Centralised Attendance Management System	No.				
	Smart Light Infrastructure					

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Application Server	No.				
	Smart Light Software Solutions					
	Server Operating System	No.				
	Smart Light Operation Management System	No.				
	Smart Traffic Software Solutions					
	Server Operating System	No.				
	Adaptive Traffic Control System Application	No.				
	PA System	No.				
	VMS System	No.				
	Smart Parking Infrastructure & Software Solutions					
	Central Server	No.				
	Smart Parking Information System	No.				
	City Parking Information System Mobile Application	No.				
	Environmental Sensor System					
	Central Server	No.				
	Central Environment System	No.				
	Mobile Application	No.				
C	City Wi-Fi					
	Access Point	No.				
	Industrial Grade Access Switch + SFP Module	No.				
	Junction Box	No.				
	UPS – 1 KVA	No.				
	Site Preparation Price	Lump Sum				
D	City Surveillance					
	Fixed Camera + IR Illuminator	No.				
	Dome Camera	No.				
	PTZ Camera	No.				
	Multi-Sensor 360° Camera	No.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Thermal Camera	No.				
	Public Address System – IP based PA with speakers	No.				
	Variable Message	No.				
	Drone with complete ground station setup	No.				
	Gantry Pole including site preparation price	No.				
	Pole including site preparation price	No.				
	Industrial Grade Access Switch	No.				
	Junction box	No.				
	Rack Mounted LIU	No.				
	UPS – 2 KVA	No.				
	Power Cable	Meter				
	Edge Processing Infrastructure (ANPR & RLVD)	Set				
	Mobile Surveillance Vehicle <i>(with all sub-components such as PTZ camera, UPS, laptop etc. as specified in the BOM in Annexure VI of RFP volume II)</i>	No.				
E	City Surveillance Command and Control Center					
	Workstation Desktop	No.				
	Video Wall	Unit				
	Keyboard Joystick to control PTZ Cameras	No.				
	Biometric access control system, 4 door controller	No.				
	Dome cameras for internal surveillance	No.				
	UPS (sizing as per proposed solution)	No.				
	Multifunction Device	Set				
	IP Phones	Set				
	Site Preparation Price	Lump Sum				
	Fire Alarm System	Set				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Rodent Repellent system	Set				
	Diesel Generator Set	Set				
	Air Conditioner 2 Ton	No.				
F	Server Room at Command Control Centre					
	Server Infra (with redundancy)					
	Datacenter Network Switch	No.				
	Access Router	No.				
	Internet Router	No.				
	Intranet Firewall	No.				
	Internet Firewall	No.				
	Video Management Server	No.				
	Video Analytics Server	No.				
	ANPR Server	No.				
	RLVD Server	No.				
	Variable Message Signboard server	No.				
	Database Server	No.				
	Web Server	No.				
	Storage Server	Tb				
	UPS (sizing as per proposed solution)	No.				
	Blade Server Chassis	No.				
	IP EPABX	No.				
	42 U Rack	No.				
	Air Conditioner	No.				
	Site Preparation Price	Lump Sum				
	Software Solutions					
	Server OS License	No.				
	Anti-Virus License	Lot				
	Enterprise Management System License	Lot				
	Virtualization Software License	Lot				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Video Management Software License	Lot				
	Video Analytics Software License	Lot				
	ANPR Software License	Lot				
	RLVD Software License	Lot				
	PA Software License	Lot				
	Variable Message Software License	Lot				
	Facial Recognition System Software License	Lot				
	Database Server Licenses	Lot				
	Web Server Licenses	Lot				
G	City Kiosk					
	Self-service City kiosk					
	Kiosk Terminal	No.				
	Modem	No.				
	UPS – 1 KVA	No.				
	Industrial Grade Access Switch + SFP Module	No.				
	Junction Box	No.				
	Site Preparation Price	Lump Sum				
	Manned Kiosk					
	Kiosk Terminal	No.				
	Modem	No.				
	UPS – 1 KVA	No.				
	Industrial Grade Access Switch + SFP Module	No.				
	Junction Box	No.				
	Site Preparation Price	Lump Sum				
H	Smart Strip					
	Smart Transport					
	Bus Infrastructures					
	Vehicle Tracking System (VTS) GPS device	No.				
	2 Line LED Display Board	No.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Public Address System – IP based PA with speakers	No.				
	GPRS/GSM Connectivity-SIM Card & Service Plan	No.				
	Bus Stop Infrastructure					
	4 Line LED Display Board	No.				
	Switch + SFP Module	No.				
	Junction Box	No.				
	UPS – 1 KVA	No.				
	ICT Based Solid Waste Management System					
	Field Infrastructure					
	Vehicle Tracking System (VTS) GPS device	No.				
	RFID Devices on vehicles	No.				
	RFID Tagging on Bins / Collection Containers	No.				
	Bin Weight Sensors	No.				
	Bin Volume Sensors	No.				
	GPS based handheld device with Attendance management system application	No.				
	GPRS/GSM Connectivity-SIM Card & Service Plan	No.				
	Smart Lighting					
	Field Infrastructure					
	Public Address System – IP based PA with speakers	No.				
	Variable Message System Display	No.				
	Gantry Pole Set up	No.				
	Adaptive Traffic Control System Unit – Detectors, Sensors and Interface	No.				
	ATC Compliance Controllers	No.				
	Passive Components and site preparation	Lump Sum				
	Smart Traffic					
	Field Infrastructure					

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	Public Address System – IP based PA with speakers	No.				
	Variable Message System Display	No.				
	Gantry Pole Set up	No.				
	Adaptive Traffic Control System Unit – Detectors, Sensors and Interface	No.				
	ATC Compliance Controllers	No.				
	Passive Components and site preparation	Lump Sum				
	Smart Parking					
	Field Infrastructure					
	Public Address System – IP based PA with speakers	No.				
	Variable Message System Display	No.				
	Gantry Pole Set up	No.				
	Adaptive Traffic Control System Unit – Detectors, Sensors and Interface	No.				
	ATC Compliance Controllers	No.				
	Passive Components and site preparation	Lump Sum				
	Environment Sensors					
	Field Infrastructure					
	Environmental Sensors	No.				
I	Helpdesk (Command Control Center and City Operation Center)					
	Hand Set	No.				
	Head Set	No.				
	IVRS Server	No.				
	CTI Server	No.				
	Automatic Call Distributor Server	No.				
	Dialler	No.				
	Voice Logger	No.				
	Soft telephone	No.				
	IP PBX	No.				

SI #	BoM Line Item	Unit of measurement	Quantity Proposed (repeat the indicative quantity as provided in RFP)	Make / Brand	Model Details	Full Compliance with RFP Requirements (Yes / No)
	IP Phones	No.				
	Workstation PC (including UPS, Computer chair, table etc.)	Set				
	Automated Call Distribution Software	Lot				
	Computer Telephony Integration Software	Lot				
	Answering Service Software	Lot				
	Interactive Voice Response Software	Lot				
	Softphone Software	Lot				
	Voice Broadcasting Software	Lot				
	Server Operating System	No.				
	<i>Any additional line item required (details to be specified)</i>					
	<i>Any additional line item required (details to be specified)</i>					
	<i>Any additional line item required (details to be specified)</i>					
	<i>Any additional line item required (details to be specified)</i>					

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,

Director,
Directorate of IT, Government of Maharashtra,
7th Floor Annexe Building, Mantralaya Mumbai – 400 032

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 of this RFP.

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 Nagpur Smart City Solutions for Directorate of Information Technology, Government of Maharashtra** in Nagpur, Maharashtra against the RFP issued by Purchaser, 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 Rs.)	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 Bidder may provide a lump sum price for any additional item(s) that may be required to fulfil the RFP and project requirements in totality, towards the end of the table. Adequate details of those additional line items (without the price) should be provided in the Technical Proposal as per Section 7.9 of this RFP Volume I. Kindly note that the indicative/estimated quantity provided in the RFP would be used for evaluation purposes; however the payment would be done on actual usage basis.

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
A	City Network Backbone					
1.	24 Core Optical Cable	KM	1200			
2.	24 Core Rack Mounted LIU	No.	500			
	Aggregation Layer - Zone Level covering 10 zones					
1.	Aggregation Router	No.	10			
2.	Aggregation Switch	No.	10			
3.	Network Access Switch	No.	5			
4.	Network Switch Ruggedized	No.	5			
5.	SFP Module	No.	200			
6.	Fibre Testing and Automated solution management system	No.	1			
7.	42 U Rack	No.	30			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
8.	Power Equipment (-48 Volt power source with battery, distribution box etc.)	Lot	1			
9.	UPS (sizing as per proposed solution)	No.	20			
10.	Air Conditioning 2 Ton	No.	30			
11.	Site Preparation Price	Lump Sum	1			
	Access Layer - Ward Level covering 136 wards					
1.	Access Router	No.	136			
2.	Network Access Switch	No.	72			
3.	Network Switch Ruggedized	No.	200			
4.	SFP Module	No.	1088			
5.	Junction Box	No.	136			
6.	Site Preparation Price	Lump Sum	1			
7.	Air Conditioning 2 Ton	No.	As per requirement			
8.	UPS (sizing as per proposed solution)	No.	2			
B	City Operation Centre					
	Core Infrastructure					
1.	Core Router	No.	2			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
2.	Core Switch	No.	2			
3.	Internet Router	No.	2			
4.	Intranet Firewall	No.	2			
5.	Internet Firewall	No.	1			
6.	IPS / IDS	No.	2			
7.	Network Access Switch	No.	4			
8.	Network Switch Ruggedized	No.	2			
9.	42U Network Rack	No.	As per requirement			
10.	Blade Chassis	No.	As per requirement			
11.	SAN Switch	No.	As per requirement			
12.	UPS (sizing as per proposed solution)	No.	2			
13.	Air Conditioning 2 Ton	No.	As per requirement			
14.	Workstations (Desktop)	No.	10			
15.	Multifunction Device	No.	5			
16.	Site Preparation Price	Lump Sum	1			
17.	Fire Alarm System	Set	1			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
18.	Biometric access control system	Set.	4			
19.	Dome cameras for internal surveillance	No.	10			
20.	Rodent Repellent system	Set	1			
21.	Diesel Generator	No.	2			
	Core Solutions					
1.	Integrated Operation Platform (IOP)	No.	1			
2.	Antivirus Solution	Lot	1			
3.	GIS Map	Unit	1			
4.	Enterprise Management System	Lot	1			
	City Kiosk Operation Center Infrastructure					
1.	Communication server	No.	2			
2.	Web server	No.	2			
3.	Application server	No.	2			
4.	Database Server	No.	2			
5.	Interface server	No.	2			
6.	Storage	Tb	1			
	City kiosk Operation Centre Software solutions					

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
1.	Server Operating System	No.	10			
2.	Data adaptation management	FP	891			
3.	Kiosk services management	FP	580			
4.	Messaging & communication	FP	675			
5.	Kiosk terminal management	FP	891			
6.	Services interfacing component	FP	1,011			
7.	Partner content management	FP	779			
8.	Database Server Licenses	Lot	1			
9.	Web Server Licenses	Lot	1			
	City Wi-Fi Operation Center Infrastructure & Software Solutions					
1.	Wireless Intrusion Prevention System	No.	2			
2.	Centralised Wi-Fi Management System	No.	1			
3.	Application Server	No.	2			
4.	Database Server	No.	2			
5.	Wireless Controller with AP licenses	No.	2			
6.	Server Operating System	No.	4			
7.	Database Server Licenses	Lot	1			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
	CCTV Surveillance City Operation Center Infrastructure					
1.	Video Wall	Unit	1			
2.	Keyboard Joystick to control PTZ Cameras	No.	5			
3.	Network Access Switch	No.	1			
4.	Near DR Site infrastructure (as per requirement)	Lump Sum	As per requirement			
	“Smart Strip” Infrastructure & Software Solutions					
1.	Storage	Tb	2			
	Smart Transport & ICT enabled Solid Waste Management Infrastructure					
1.	VTS Server	No.	2			
2.	Fleet Management & PIS Server	No.	2			
3.	Database Server	No.	2			
4.	Web Server	No.	1			
	Smart Transport & ICT enabled Solid Waste Management Software Solutions					
1.	Server Operating System	No.	7			
2.	VTS, Fleet Management & PIS Application Server	No.	1			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
3.	Database Server Licenses	Lot	1			
4.	Web Server Licenses	Lot	1			
5.	Mobile Application	No.	1			
6.	Centralised Attendance Management System	No.	1			
	Smart Light Infrastructure					
1.	Application Server	No.	2			
	Smart Light Software Solutions					
1.	Server Operating System	No.	2			
2.	Smart Light Operation Management System	No.	1			
	Smart Traffic Infrastructure					
1.	Application Server	No.	2			
	Smart Traffic Software Solutions					
1.	Server Operating System	No.	2			
2.	Adaptive Traffic Control System Application	No.	1			
3.	PA System	No.	1			
4.	VMS System	No.	1			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
	Smart Parking Infrastructure & Software Solutions					
1.	Central Server	No.	2			
2.	Smart Parking Information System	No.	1			
3.	Smart City Parking Information System Mobile Application	No.	1			
	Environmental Sensor System					
1.	Central Server	No.	2			
2.	Central Environment System	No.	1			
3.	Mobile Application	No.	1			
C	City Wi-Fi					
1.	Access Point	No.	1360			
2.	Network Switch Ruggedized + SFP Module	No.	136			
3.	Junction Box	No.	136			
4.	UPS – 1 KVA	No.	136			
5.	Site Preparation Price	Lump Sum	1			
D	City Surveillance					
1.	Fixed Camera + IR Illuminator	No.	2930			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
1.	Dome Camera	No.	100			
2.	PTZ Camera	No.	611			
3.	Multi-Sensor 360° Camera	No.	200			
4.	Thermal Camera	No.	20			
5.	Public Address System – IP based PA with speakers	No.	50			
6.	Variable Message	No.	50			
7.	Drone with complete ground station setup	No.	10			
8.	Gantry Pole including site preparation price	No.	50			
9.	Pole including site preparation price	No.	As per requirement			
10.	Network Switch Ruggedized	No.	As per requirement			
11.	Junction box	No.	As per requirement			
12.	Rack Mounted LIU	No.	As per requirement			
13.	UPS – 2 KVA	No.	As per requirement			
14.	Power Cable	Meter	As per requirement			
15.	Edge Processing Infrastructure (ANPR & RLVD)	Set	120			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
16.	Mobile Surveillance Vehicle <i>(with all sub-components such as PTZ camera, UPS, laptop etc. as specified in the BOM in Annexure VI of RFP volume II)</i>	No.	10			
E	City Surveillance Command and Control Center					
1.	Workstation Desktop	No.	25			
2.	Video Wall	Unit	1			
3.	Keyboard Joystick to control PTZ Cameras	No.	10			
4.	Biometric access control system, 4 door controller	No.	4			
5.	Dome cameras for internal surveillance	No.	10			
6.	UPS (sizing as per proposed solution)	No.	2			
7.	Multifunction Device	Set	5			
8.	IP Phones	Set	5			
9.	Site Preparation Price	Lump Sum	1			
10.	Fire Alarm System	Set	1			
11.	Rodent Repellent system	Set	1			
12.	Diesel Generator Set	Set	2			

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
13.	Air Conditioner 2 Ton	No.	As per requirement			
F	Server Room at Command Control Centre					
	Server Infra (with redundancy)					
1.	Datacentre Network Switch	No.	2			
2.	Access Router	No.	2			
3.	Internet Router	No.	1			
4.	Intranet Firewall	No.	2			
5.	Internet Firewall	No.	1			
6.	Video Management Server	No.	31			
7.	Video Analytics Server	No.	16			
8.	ANPR Server	No.	6			
9.	RLVD Server	No.	6			
10.	Variable Message Signboard server	No.	1			
11.	Database Server	No.	2			
12.	Web Server	No.	1			
13.	Storage Server	Tb	5000			
14.	UPS (sizing as per proposed solution)	No.	2			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
15.	Blade Server Chassis	No.	As per requirement			
16.	IP EPABX	No.	1			
17.	42 U Rack	No.	As per requirement			
18.	Air Conditioner	No.	As per requirement			
19.	Site Preparation Price	Lump Sum	1			
	Software Solutions					
1.	Server OS License	No.	66			
2.	Anti-Virus License	Lot	1			
3.	Enterprise Management System License	Lot	1			
4.	Virtualization Software License	Lot	1			
5.	Video Management Software License	Lot	1			
6.	Video Analytics Software License	Lot	1			
7.	ANPR Software License	Lot	1			
8.	RLVD Software License	Lot	1			
9.	PA Software License	Lot	1			
10.	Variable Message Software License	Lot	1			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
11.	Facial Recognition System Software License	Lot	1			
12.	Database Server Licenses	Lot	1			
13.	Web Server Licenses	Lot	1			
G	City Kiosk					
	Self-service City kiosk					
1.	Kiosk Terminal	No.	50			
2.	Modem	No.	50			
3.	UPS – 1 KVA	No.	50			
4.	Network Switch Ruggedized + SFP Module	No.	50			
5.	Junction Box	No.	50			
6.	Site Preparation Price	Lump Sum	1			
	Manned Kiosk					
1.	Kiosk Terminal	No.	50			
2.	Modem	No.	50			
3.	UPS – 1 KVA	No.	50			
4.	Network Switch Ruggedized + SFP Module	No.	50			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
5.	Junction Box	No.	50			
6.	Site Preparation Price	Lump Sum	1			
H	Smart Strip					
	Smart Transport					
	Bus Infrastructures					
1.	Vehicle Tracking System (VTS) GPS device	No.	400			
2.	2 Line LED Display Board	No.	1200			
3.	Public Address System – IP based PA with speakers	No.	400			
4.	GPRS/GSM Connectivity- SIM Card & Service Plan	No.	400			
	Bus Stop Infrastructure					
1.	4 Line LED Display Board	No.	160			
2.	Network Switch + SFP Module	No.	160			
3.	Junction Box	No.	160			
4.	UPS – 1 KVA	No.	160			
	ICT Based Solid Waste Management System					
	Field Infrastructure					

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
1.	Vehicle Tracking System (VTS) GPS device	No.	6			
2.	RFID Devices on vehicles	No.	6			
3.	RFID Tagging on Bins / Collection Containers	No.	6			
4.	Bin Weight Sensors	No.	2			
5.	Bin Volume Sensors	No.	6			
6.	GPS based handheld device with Attendance management system application	No.	7850			
7.	GPRS/GSM Connectivity- SIM Card & Service Plan	No.	7850			
	Smart Lighting					
	Field Infrastructure					
1.	Smart Light Fixtures (LED based with motion and Ambient Light sensors)	No.	320			
2.	Street Light Smart Controller	Lot	1			
3.	Passive components and site preparation price	Lump sum	1			
	Smart Traffic					
	Field Infrastructure					
1.	Public Address System – IP based PA with speakers	No.	6			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
1.	Variable Message System Display	No.	3			
2.	Gantry Pole Set up	No.	3			
3.	Adaptive Traffic Control System Unit – Detectors, Sensors and Interface	No.	10			
4.	ATC Compliance Controllers	No.	10			
5.	Passive Components and site preparation price	Lump Sum	1			
	Smart Parking					
	Field Infrastructure					
1.	Wireless parking sensors	No.	50			
2.	Embedded webserver	No.	2			
3.	Digital Display unit	No.	1			
4.	Boom Barrier	No.	1			
5.	Local System – Desktop & Printer	No.	1			
6.	Network Switch with junction box	No.	1			
7.	Site preparation price	Lump sum	1			
	Environment Sensors					
	Field Infrastructure					
1.	Environmental Sensors	No.	10			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
I	Helpdesk (Command Control Center and City Operation Center)					
1.	Hand Set	No.	5			
2.	Head Set	No.	5			
3.	IVRS Server	No.	1			
4.	CTI Server	No.	1			
5.	Automatic Call Distributor Server	No.	1			
6.	Dialler	No.	1			
7.	Voice Logger	No.	1			
8.	Soft telephone	No.	5			
9.	IP PBX	No.	1			
10.	IP Phones	No.	5			
11.	Workstation PC (including UPS, Computer chair, table etc.)	Set	5			
12.	Automated Call Distribution Software	Lot	1			
13.	Computer Telephony Integration Software	Lot	1			
14.	Answering Service Software	Lot	1			
15.	Interactive Voice Response Software	Lot	1			

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SI #	Line Item	Unit of Measurement	Indicative quantity as per BOM	For Supply, Installation and Commissioning		
				Unit base price (in Rs.)	All taxes, levies, duties, etc. as applicable (in Rs.) (per unit)	Total price including All taxes, levies, duties, etc. as applicable (in Rs.)
1	2	3	4	5	6	7=(5+6)*4
16.	Softphone Software	Lot	1			
17.	Voice Broadcasting Software	Lot	1			
18.	Server Operating System	No.	3			
J	Additional Item(s)					
1.	Price of additional line item(s) proposed	Lump Sum	1			
Total CAPEX Price						

Total CAPEX Price (in words) - _____

N.B – 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 INR.

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.

SI #	Head	OPEX															
		Year 1 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 1 Total (in Rs.)	Year 2 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 2 Total (in Rs.)	Year 3 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 3 Total (in Rs.)	Year 4 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 4 Total (in Rs.)	Year 5 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 5 Total (in Rs.)	Total price inclusive of taxes as applicable (in Rs.)
1	2	3	4	5 = 4 + 3	6	7	8=7+6	9	10	11=19+9	12	13	14=13+12	15	16	17=16+15	18 = 17+14+11+8+5
A.	City Network Backbone																
B.	City Operations Centre																
C.	City Wi-Fi																
D.	City Surveillance																
E.	City Surveillance Command and Centre including server room																
F.	City Kiosk																
G.	Smart Strip																

RFP for Selection of System Integrator for Implementation of Nagpur Smart City Solutions

SI #	Head	OPEX															Total price inclusive of taxes as applicable (in Rs.)
		Year 1 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 1 Total (in Rs.)	Year 2 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 2 Total (in Rs.)	Year 3 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 3 Total (in Rs.)	Year 4 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 4 Total (in Rs.)	Year 5 (in Rs.)	All Taxes, Levies, Duties, etc. as applicable (in Rs.)	Year 5 Total (in Rs.)	
1	2	3	4	5 = 4 + 3	6	7	8=7+6	9	10	11=19+9	12	13	14=13+12	15	16	17=16+15	18 = 17+14+11+8+5
H.	Helpdesk (Command Control Center and City Operation Center), NOC and server room																
I.	Project Implementation price																
J.	Handholding and Training price																
K.	Any other price item not included above																
L.	Total OPEX Price																

Total OPEX Price (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 **DIT, Govt. of Maharashtra** (hereinafter called “the Purchaser”)

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 Rs.<Insert Value> (Rupees <Insert Value in Words> only) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of Rs. <Insert Value> (Rupees <Insert Value in Words> only) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the 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 Rs. <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 <<Purchaser>> .

Know all Men by these presents that we <<... >> having our office at <<Address>> (hereinafter called "the Bank") are bound unto the << Purchaser >> (hereinafter called "the Purchaser") in the sum of Rs. <<Amount in figures>> (Rupees <<Amount in words>> only) for which payment well and truly to be made to the said Purchaser, 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 Purchaser 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 Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

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

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- I. Our liability under this Bank Guarantee shall not exceed Rs. <<Amount in figures>> (Rupees <<Amount in words>> only)

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

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

(Authorized Signatory of the Bank)

Seal:

Date:

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 Nagpur Smart City Solutions for Directorate of Information Technology, Government of Maharashtra**” (hereinafter called the said 'RFP') to the “DIT, GoM”, hereinafter referred to as ‘Purchaser’

and,

WHEREAS, the Bidder is aware and confirms that the Purchaser’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 Purchaser in the RFP documents during the bidding process and thereafter, or otherwise (confidential information for short) is privileged and strictly confidential and or or proprietary to the Purchaser,

NOW THEREFORE, in consideration of disclosure of confidential information, and in order to ensure the Purchaser’s grant to the Bidder of specific access to Purchaser’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 Purchaser 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 Purchaser.
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 Purchaser.

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 Purchaser 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 Purchaser 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 Purchaser or may require the Bidder's personnel to have access to software, hardware, computer networks, databases, documents and storage media of the Purchaser while on or off premises of the Purchaser. It is understood that it would be impractical for the Purchaser 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 unauthorised 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 Purchaser, the Bidder shall promptly deliver to the

Purchaser 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 Purchaser. Upon completion of the Tendering process and or or termination of the contract or at any time during its currency, at the request of the Purchaser, the Bidder shall promptly deliver to the Purchaser 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 Purchaser. Without prejudice to the above the Bidder shall promptly certify to the Purchaser, due and complete destruction and return. Nothing contained herein shall in any manner impair rights of the Purchaser 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 Purchaser to enable the Purchaser 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 Purchaser. 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 INR 100 duly attested by notary public]

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

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

WHEREAS DIT, Govt. of Maharashtra 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 Nagpur Smart City Solutions for Purchaser:**

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

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

- i. The purpose of this Agreement is to define the principles of collaboration among the Parties to:
 - a. Submit a response jointly to Bid for the **"Request for Proposal for Selection of Agency for Selection of Agency for Implementation of Nagpur Smart City Solutions for Directorate of Information Technology, Government of Maharashtra"** as a Consortium.
 - b. Sign Contract in case of award.
 - c. Provide and perform the supplies and services which would be ordered by the Purchaser 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 Purchaser for **"Request for Proposal for Selection of Agency for**

Selection of Agency for Implementation of Nagpur Smart City Solutions for Directorate of Information Technology, Government of Maharashtra” 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 Purchaser 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 Purchaser.
 - 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 Purchaser 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 Maharashtra 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, all acts, deeds and things as may be necessary in connection with the Consortium's RFP response for the Project.

NOW THIS POWER OF ATTORNEY WITNESSETH THAT

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

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

Dated this the _____ day of _____ 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.

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.