



ROURKELA SMART CITY LIMITED

RFP. No. RSCL/110/2018/411

Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela

Volume 1 Instructions to Bidders

Date: 12 July 2019

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Important Dates

Sl. No.	Activity	Timeline
1.	Release of RFP	12 th July 2019
2.	Pre-bid Meeting date	19 th July 2019 at 4:00 PM
3.	Last date of receipt of pre-bid queries online	22 nd July 2019 at 5:00 PM
4.	Posting of response to queries and release of corrigendum, if any	29 th July 2019
5.	Last date for submission of Bids online at www.tendersodisha.gov.in	19 th August 2019 at 5:00 PM
6.	Last date for submission of hard copy of documents – 1 Original and 1 Copy + CD/DVD The Chief Executive Officer, Rourkela Smart City Limited, Udit Nagar, Rourkela-769012, Sundergarh, Odisha	22 nd August 2019 at 3:00 PM
7.	Date of opening of pre-qualification bids	22 nd August 2019 at 5:00 PM
8.	Date of opening of Technical Bids	To be notified later
9.	Date of opening of Commercial Bids	To be notified later

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Disclaimer

The information contained in this Request for Proposal document ("**RFP document**") or subsequently provided to Applicant(s), whether verbally or in writing or in any other form, by or on behalf of Rourkela Smart City Limited (hereafter referred to as "**RSCL**") or any of its employees or advisors, is provided to the Applicant(s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided in writing.

This RFP document is not an offer or invitation to any other party. This RFP document is intended to be and is hereby issued only to the prospective Applicants. The purpose of this RFP document is to provide the Applicant(s) with information to assist the formulation of their Proposals. This RFP document does not purport to contain all the information that each Applicant may require. This RFP document may not be appropriate for all persons, and it is not possible for the RSCL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each Applicant who reads or uses this RFP document. The assumptions, assessments, statements and information contained in the RFP document may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP document and where necessary obtain independent advice from appropriate sources on the legal, financial, regulatory, taxation and other consequences of entering into any agreement or arrangement relating to the proposed RFP document. RSCL, its employees and advisors make no representation or warranty as to the accuracy, adequacy, correctness, reliability or completeness of the RFP document.

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

RSCL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any applicant under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP document and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP document or arising in any way for participation.

RSCL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Applicant upon the statements contained in this RFP document.

RSCL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP document before the last date of bid submission. RSCL also may in its absolute discretion cancel the entire RFP, without providing any reason.

The issue of this RFP document does not imply that RSCL is bound to select an Applicant or to appoint the selected Applicant or Master System Integrator, as the case may be, for the Project and the RSCL reserves the right to reject all or any of the Applicants or Bids without assigning any reason whatsoever.

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

1. Introduction

1.1 Introduction to Rourkela Smart City Project

Rourkela is the 3rd largest city of Odisha after Bhubaneswar and Cuttack, located in Sundargarh district with a population of around 4.83 lakh as per the Census of India, 2011. Rourkela is primarily an industrial town lying in the midst of an important mineral belt in the country. In terms of connectivity, Rourkela is well connected through rail network with other parts of the country. Also, the city is in vicinity of Jharsuguda, having air connectivity with select cities, including Bhubaneswar, Delhi and Kolkata amongst others.

Rourkela is one of the 100 smart cities selected under the Smart City Challenge in September, 2016 by Ministry of Housing and Urban Affairs. As mentioned in the SCP, the city has set its vision as follows:

*“Building on its **steel foundation, natural setting and cosmopolitan character**, Rourkela - a prominent eastern Indian city located **in the heart of tribal belt** renowned for producing ace **sporting talent**; will be a **liveable, inclusive, sustainable and self-reliant** city, propelling the **regional economic development** with best in class **future proof infrastructure**”.*

As per the Smart City Plan of Rourkela, an array of smart solutions has been proposed comprising the following as listed in the table below:

#	Project Module	Name of Project
1	Paribahan/ Traffic Management	Adaptive Traffic Signal Control System
		Traffic Violation Detection System
2	Safety & Surveillance	City Surveillance System
3	Other Smart Elements	Variable Message Signboards (VaMS) and Public Address System (PAS)
		Smart Wi-Fi
		Environment Monitoring System
		Smart Classroom
		Emergency Call Box (ECB)
		Website/ Portal and Mobile App

In addition to the smart components highlighted above, an Integrated Command and Control Centre (ICCC) has been proposed for purpose of integration of various services for monitoring and analysis.

Details of all the solutions along with scope of work is provided in “**RFP Volume 2: Scope of work**”

1.2 About the Rourkela Smart City Limited

For the execution of the Rourkela Smart city project, Government of Odisha has formed a Special Purpose Vehicle with the name “Rourkela Smart City Limited” (RSCL), with a Board of Directors headed by a Chairman and fifteen (15) other Directors. The Development Commissioner-cum-Addl. Chief Secretary, Government of Odisha is the Chairman of the Board of Directors and the Additional District Magistrate (ADM), Rourkela is the CEO.

1.3 RFP Format

The intent of this RFP is to invite bids from the Bidders for implementation of smart solutions in Rourkela.

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

a. RFP Volume 1: Instruction to Bidders

Volume 1 details the instructions with respect to the bid process management, pre-qualification criteria, technical and commercial evaluation framework, and the technical & commercial forms.

b. RFP Volume 2: Scope of work

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, functional and technical requirements.

c. RFP Volume 3: Master Service Agreement

Volume 3 provides the contractual, legal terms & conditions, Service Level Agreements applicable for the proposed engagement.

1.4 Fact sheet

#	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 exclusive of any applicable taxes, levies etc. will be considered for arriving at L1 price.
2.	Availability of RFP Documents	Download from www.tendersodisha.gov.in , www.rmc.nic.in , www.smartnet.niua.org , www.smartcities.gov.in
3.	Date of RFP Issuance	12 th July 2019
4.	Tender document fee (Non-refundable and Not – exempted)	Indian Rupees 50,000 (Indian Rupees Fifty Thousand only) plus 12% GST
5.	Bid Security/ Earnest Money Deposit (EMD)	Indian Rupees 2 Crore (Indian Rupees Two Crore only)
6.	Pre-bid Meeting date and Venue	19 th July 2019 at 4:00 PM City Auditorium, Rourkela Smart City Limited, Uditnagar, Rourkela
7.	Last date of receipt of pre-bid queries online	22 nd July 2019 at 5:00 PM rourkelascl@gmail.com with cc to rourkelamsirfp@gmail.com
8.	Posting of response to queries and release of corrigendum, if any	29 th July 2019 at www.tendersodisha.gov.in / www.rmc.nic.in
9.	Last date for submission of Bids online at www.tendersodisha.gov.in	19 th August 2019 at 5:00 PM
10.	Last date for submission of hard copy of documents – 1 Original and 1 Copy + CD/DVD: The Chief Executive Officer, Rourkela Smart City Limited, Udit Nagar, Rourkela-769012, Sundergarh, Odisha	22 nd August 2019 at 3:00 PM
11.	Date of opening of pre-qualification bids	22 nd August 2019 at 5:00 PM
12.	Date of opening of Technical Bids	To be notified later
13.	Date of opening of Commercial Bids	To be notified later
14.	Bid validity	Bid must remain valid up to 180 (One Hundred & Eighty) days from the actual date of submission of the Bid
15.	Project Duration	Seventy Two (72) months including Implementation period of Twelve Months (12

#	Item	Description
		months), and Operation and Maintenance period for Sixty (60) months from the date of go-live.
16.	Currency	Currency in which the Bidders may quote the price and will receive payment is Indian Rupees only
17.	Name and Address for Correspondence	The Chief Executive Officer, Rourkela Smart City Limited, Udit Nagar, Rourkela-769012, Sundergarh, Odisha Phone: 0661-2520064

1.5 Acronyms

#	Term/Acronym	Description
1.	AAA	Authentication, Authorization, and Accounting
2.	ANPR	Automatic Number Plate Recognition
3.	Bid	Offer by the Bidder to fulfil the requirement of the Authority for an agreed price. It shall be a comprehensive technical and commercial response to the RFP
4.	BoM	Bill of Material
5.	ICCC	Integrated Command and Control Center
6.	CCTV	Closed Circuit Television
7.	DC	Data Center
8.	DR	Disaster Recovery Center
9.	EMD	Earnest Money Deposit
10.	GIS	Geographical Information System
11.	ICT	Information and Communication Technology
12.	IoT	Internet of Things
13.	IP	Internet Protocol
14.	ITIL	Information Technology Infrastructure Library
15.	LED	Light Emitting Diode
16.	LoI/LoA	Letter of Intent/Letter of Award
17.	MoU	Memorandum of Understanding
18.	MSI	Master System Integrator
19.	O&M	Operation and Maintenance
20.	OEM	Original Equipment Manufacturer
21.	PAS	Public Address System
22.	PBG	Performance Bank Guarantee
23.	PTZ	Pan Tilt Zoom
24.	RFID	Radio Frequency Identification
25.	RLVD	Red Light Violation Detection
26.	RSCL	Rourkela Smart City Limited
27.	SLA	Service Level Agreement
28.	SOP	Standard Operating Procedure
29.	UPS	Uninterruptible Power Supply
30.	URL	Uniform Resource Locator
31.	VA	Video Analytics
32.	VaMS	Variable Message Signboards
33.	VMS	Video Management Software/System

1.6 Definition of Terms

As specified in Volume 3

2. Instruction to Bidders

2.1 General

- 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 Client's requirements. Bidders and recipients of this RFP may wish to consult their own legal advisers in relation to this RFP.
- 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 Client on the basis of this RFP.
- 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 Client. Any notification of preferred bidder status by Client shall not give rise to any enforceable rights by the Bidder. Client may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of Client.
- Sealed bids shall be received by the Client on the e-Procurement portal **www.tendersodisha.gov.in** before the time and date specified in Fact Sheet. In the event of the specified date for the submission of tender offers being declared a public holiday by the Government of Odisha, the offers will be received up to the appointed time on the next working day. The Client may, at its discretion, extend this deadline for submission of offers by issuing corrigendum and uploading the same on portal **www.tendersodisha.gov.in/www.rmc.nic.in**.
- The bidder shall submit within 3 days of online submission, Bid documents in the hard copy format to Client signed by the authorized signatory of bidder, which should match with the bid submitted online. The documents submitted online shall be considered as final and binding in case of any mismatch with the hard copy documents.
- Telex, cable, E-mail or facsimile offers will be disqualified.

2.2 Eligible Bidders

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

Sole Bidder	<ul style="list-style-type: none"> • The Sole Bidder must be a Master System Integrator 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.
Consortium/Joint Venture	<ul style="list-style-type: none"> • Bids can be submitted by a consortium of firms. A consortium should not consist of more than four parties (including the Lead Bidder). • One of the Firms would be designated as a "Lead Bidder". The lead bidder along with all Consortium members shall be jointly and severally responsible for the project execution. The other consortium members shall be severally liable for their respective scope and roles as specified in the project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP. • The Consortium 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. • If any of bidders/members of one consortium becomes members of another consortium, both the consortiums will be disqualified.

	<ul style="list-style-type: none"> • The Lead Bidder shall be authorised by all the consortium members for: <ul style="list-style-type: none"> - The management of all Consortium Members who are part of the bid; - The supply, delivery and installation of all products and services submitted in their bid and as part of the contract; - 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; - Entire execution of the Contract, receipt of payments etc. on behalf of the consortium; - Ensuring that all the bid compliance is met by the consortium members (mentioned in the bid, failing which bid can be disqualified).
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2.3 Compliant Bids/Completeness of Response

- 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.
- Failure to comply with the requirements of this paragraph may render the bid non-compliant and the bid may be disqualified. Bidders must:
 - Include all documentation specified in this RFP, in the bid.
 - Follow the format of this RFP while developing the bid and respond to each element in the order as set out in this RFP.
 - Comply with all requirements as set out within this RFP.

2.4 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, bidder shall, before the last date for Submission of Pre-Bid Queries, set forth the particulars thereof and submit them to Client in writing in order that such doubt may be removed or clarifications are provided.

2.5 Bid Preparation

The Bidder shall bear all costs associated with the preparation and submission of its bid as may be required in accordance with the conditions of this RFP.

2.6 Pre-Bid Meeting & Clarifications

2.6.1 Pre-Bid Meeting

- Client will organize a pre-bid meeting within the date and timelines as specified in the Fact Sheet.
- Bidders may attend the pre-bid meeting, which will be held on the date specified in the Fact Sheet, during which the Bidders will be free to seek clarifications and make suggestions to the Client on the scope of the Services or otherwise in connection with the RFP. Attending any such pre-bid meeting is optional and is at the Bidders' expense. The maximum number of participants from a Bidder, who choose to attend the pre-bid meeting shall not be more than two (2) per Bidder. The representatives attending the pre-bid meeting shall accompany with a letter duly signed by the authorized signatory of his/her organization.

- Representatives from any OEM will not be allowed to be part of the pre-bid meeting. OEM should also not accompany any of their system integrator or partners, and are expected to submit their queries through partners for seeking clarifications.

2.6.2 Bidders Queries

- Any clarification regarding the RFP document, technical and functional specifications and any other item related to this project can be submitted to Client as per the timelines mentioned in the Fact Sheet along with name and details of the organisation submitting the queries.
- Client 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 Client.
- Bidders must submit their queries as per the format mentioned in Section 7 - Annexure I.
- Queries should be submitted online at rourkelascl@gmail.com with cc to rourkelamsirfp@gmail.com within the date and timelines as specified in the Fact Sheet.

2.6.3 Responses to Pre-Bid Queries and Issue of Corrigendum

- Client shall formally respond to the pre-bid queries. No further clarifications shall be entertained after the date and time of submission of queries.
- Client shall endeavour to provide timely response to all queries. However, Client makes no representation or warranty as to the completeness or accuracy of any response made in good faith. Client 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 queries, shall be made by Client 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 Client.
- Any corrigendum/notification issued by Client, subsequent to issue of RFP, shall only be available/hosted on the website URL mentioned in the fact sheet. Any such corrigendum shall be deemed to be incorporated into this RFP.

2.7 RFP Document Fee

- RFP can be downloaded from the website URL mentioned in the fact sheet.
- Tender Fee of Indian Rupees 50,000/- (Rupees Fifty Thousand only) plus 12% GST shall be paid through a demand draft drawn in favour of Chief Executive Officer, Rourkela Smart City Limited payable at Rourkela. The tender fee shall be non-refundable.
- Without the payment of tender fee, the bids will be taken as incomplete and non-responsive and shall not be considered.

2.8 Earnest Money Deposit (EMD)

- EMD of Indian Rupees 2 Crore (Rupees Two Crore only) shall be through an irrevocable and unconditional Bank Guarantee from a scheduled bank in India or through a demand draft drawn in favour of Chief Executive Officer, Rourkela Smart City Limited payable at Rourkela. No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained. EMD shall be provided as per the format specified in Section 12 - Annexure 5 (b).
- The EMD in original shall be placed in a separate envelope and marked as "EMD/Bid Security" and shall be attached with the envelope containing the Qualification Documents marked as "Request For Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela".

- The EMD of a Joint Venture shall be issued in the name of the Joint Venture submitting the bid provided the Joint Venture has legally been constituted, or else it shall be issued on the name of lead Bidder in charge of the Consortium proposed for the bid.
- The bid security of all unsuccessful bidders would be refunded without interest by Client on finalization of the bid in all respects by the successful bidder.
- The bid security, for the amount mentioned above, of successful bidder would be returned without interest upon submission of Performance Bank Guarantee by the successful bidder.
- In case bid is submitted without the bid security then Client reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned.

2.9 Forfeiture of EMD

The EMD shall be forfeited and appropriated by the Client as mutually agreed genuine pre-estimated compensation and damages payable to the Client for the time, cost and effort of the Client, without prejudice to any other right or remedy that may be available to the Client under the RFP or in law under the following conditions:

- If a Bidder withdraws or modifies its bid during the bid validity period or any extension agreed by the Bidder thereof;
- If a Bidder is disqualified in accordance with Clause 2.22;
- If the Bidder tries to influence the evaluation process or engages in corrupt, fraudulent, coercive or undesirable practice or restrictive practice as set out in Clause 2.25.
- If the bidder is declared as the successful bidder and it
 - Withdraws its Proposal during negotiations. However, failure to arrive at a consensus between the Client and the successful bidder shall not be construed as withdrawal of proposal by successful bidder;
 - fails to sign and return, as acknowledgement, the duplicate copy of the letter of award;
 - fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP;
 - fails to fulfil any other condition precedent to the execution of the Contract, as specified in the letter of award;
 - fails to execute the contract

2.10 Bid Validity Period

- The EMD submitted along with the bid will remain valid for validity period of the bid as mentioned in the fact sheet.
- In exceptional circumstances, prior to expiry of the bid validity period, the Client may request the Bidders to extend the period of validity for a specified additional period at Bidder's cost. The request and the responses to the request shall be made in writing. A Bidder may refuse the request without risking forfeiting the EMD, but in this case, the bidder will be out of the competition for the award. Bidder agreeing to the request will not be required or permitted to modify its bid, but will be required to ensure that the bid remains secured for a correspondingly longer period.
- On completion of the validity period, unless the Bidder withdraws his bid in writing, it will be deemed valid until such time that the Bidder formally (in writing) withdraws bid.

2.11 Contents of Bid

The hard copy of bids should be submitted in separate envelopes which in turn shall be packed in a separate envelope and sealed as "Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela" and not to be opened except in the presence of clients' officials.

The four sets of documents (each enveloped separately and packed in a master envelope) are required to be submitted for evaluation. The sets will comprise of:

Document Set	Name of Document	Evaluation Process	Content	Mode of Submission
One	RFP Document fee & Bid Security/Earnest Money Deposit (EMD)	As detailed in Section 3.4.1.	<ul style="list-style-type: none"> RFP Document Fee receipt Bid Security/Earnest Money Deposit (EMD) receipt 	Online and Hard Copy
Two	Pre-Qualification Bid		<ul style="list-style-type: none"> Pre-Qualification bid containing all the documents as specified in Section 8.1 along with the required supporting documents 	Online and Hard Copy
Three	Technical bid	As detailed in Section 3.4.2.	<ul style="list-style-type: none"> Technical Bid containing all the documents as specified in Section 9.1 along with the required supporting documents 	Online and Hard Copy
Four	Commercial bid	As detailed in Section 3.4.3.	<ul style="list-style-type: none"> Commercial bid containing all the documents as specified in Section 10 (Annexure 4) 	Online only

- Please note that Prices should NOT be indicated in the Technical Bid but should only be indicated in the Commercial Bid.
- Each bid must be typed or written in indelible ink and an authorized representative of the Bidder shall sign the bid and physically initial and stamp all pages of the Bid. The authorization shall be by way of a written power of attorney executed in the format attached in Section 8.4. The name and position held by the person signing the Proposal must be typed or printed below.
- All the pages of the bid must be sequentially numbered. The bid documents must contain in the beginning of the document, a list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid.
- The Bid shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidder. Any modifications, revisions, interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the authorised signatory/person signing the proposal.
- The physical submission of the bid has to be accompanied by soft copy non-writable CD/DVD.
- Failure to submit the bid before the submission deadline specified in the Fact Sheet would cause a bid to be disqualified.
- Client will not accept delivery of bid by fax or by e-mail. The hard copy should be posted/couriered/given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender.

2.12 Bid Formats

2.12.1 Pre-Qualification Bid Format

#	Section Heading	Details	Name to be given to the PDF file to be uploaded
1.	Pre-qualification checklist	As per format provided in section 8.1	PQ_1
2.	Pre-Qualification Bid Covering Letter	As per format provided in section 8.2	PQ_2
3.	Consortium Agreement, if applicable	As per format provided in section 8.3	PQ_3
4.	Power of Attorney to Authorized Signatory	As per format provided in section 8.4	PQ_4
5.	Power of Attorney for Lead Member of Consortium, as applicable	As per format provided in section 8.5	PQ_5
6.	Bidder Profile	As per format provided in section 8.6 of this document.	PQ_6
7.	Bidder/Consortium Registration	<ul style="list-style-type: none"> • Certificate of Incorporation / Registration under companies Act, 1956/2013 or any suitable Act abroad • PAN Card for Bidder/each of the member of consortium • GST registration certificate for Bidder/each of the member of consortium <p><i>As per Pre-qualification criteria (Section 5) – SI # 1</i></p>	PQ_6
8.	Annual Turnover (For each consortium member in case of a JV/Consortium)	<p>Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years.</p> <p>As per format provided in section 8.7 of this document.</p> <p><i>As per Pre-qualification criteria (Section 5) – SI # 2</i></p>	PQ_7
9.	Net worth (For each consortium member in case of a JV/Consortium)	<p>Certificate from the Statutory auditor/ CA clearly specifying the net worth of the firm</p> <p>As per format provided in section 8.8 of this document.</p>	PQ_8

#	Section Heading	Details	Name to be given to the PDF file to be uploaded
		<i>As per Pre-qualification criteria (Section 5) – SI # 3</i>	
10.	Undertaking for non-blacklisting clause	Undertaking by the authorized signatory as per format As per format provided in section 8.9 of this document <i>As per Pre-qualification criteria(Section 5) – SI # 4</i>	PQ_9
11.	Undertaking for Local Presence	Confirmation of existing office in Rourkela or undertaking signed by authorized signatory to open office with GST registration in Rourkela within 60 days from Contract signing. As per format provided in section 8.10 of this document <i>As per Pre-qualification criteria (Section 5) – SI # 5</i>	PQ_10
12.	Bidder Certifications	Copies of valid certificates in the name of the sole bidder or Consortium members <i>As per Pre-qualification criteria (Section 5) – SI # 6</i>	PQ_11
13.	Project Experience	<ul style="list-style-type: none"> Summary of project experience as per format prescribed in Section 8.11 Details of projects as per format prescribed in Section 8.12 Self-certification for ongoing projects as per format specified in Section 8.13 <i>As per Pre-qualification criteria (Section 5) – SI # 7-12</i>	PQ_12
14.	No Deviation Certificate	As per format in Section 8.14	PQ_13
15.	Total responsibility certificate	As per format in Section 8.15	PQ_14
16.	Additional Certificates	Copies of valid certificates in the name of the sole bidder or Consortium members <i>As per Pre-qualification criteria (Section 5) – SI # 13</i>	PQ_15

- All the Pre-Qualification Documents should be put in a separate envelope marked as “Pre-Qualification Bid: Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela” and not to be opened except in the presence of clients’ officials.

2.12.2. Technical Bid Format

#	Section Heading	Details	Name to be given to the PDF file to be uploaded
1.	Technical Bid Checklist	As per format provided in section 9.1	TQ_1
2.	Technical Bid Covering Letter	As per format provided in Section 9.2	TQ_2
3.	Bidder Profile	<ul style="list-style-type: none"> • Details about bidder (whether sole bidder or Consortium) • Bidder's General Information as required in Technical Criteria specified in section 6 & 6.1 As per format provided in Section 9.3	TQ_3
4.	Annual Turnover	As per format provided in section 9.4	TQ_4
5.	Net Worth	As per format provided in section 9.5	TQ_5
6.	Number of persons employed in ICT projects	As per format provided in section 9.6	TQ_6
7.	Project Experience Summary	As per format provided in Section 9.7	TQ_7
8.	Project Details	<ul style="list-style-type: none"> • Project citation as per format provided in section 9.8 and supporting documentary evidences • Self-certification for ongoing projects as per format in section 9.9 	TQ_8
9.	Project Plan and Resources	<ul style="list-style-type: none"> • Project plan as per format provided in Section 9.10 • Details of resources proposed for Implementation period as per format provided in Section 9.11 • Details of resources proposed for Operations and Maintenance period as per format provided in Section 9.12 • CV of resources as per format provided in Section 9.13 • Undertaking regarding availability of key experts as per format provided in Section 9.14 	TQ_9
10.	Filled-in Bill of Materials	As per format provided in Section 9.15	TQ_10
11.	Manufacturers'/ Producers' Authorization Form	Required for the following types/categories: <ul style="list-style-type: none"> • RLVD System with ANPR • ATCS • Environmental Sensors • CCTV Cameras • VaMS • PAS • Servers and Storage Devices 	TQ_11

#	Section Heading	Details	Name to be given to the PDF file to be uploaded
		<ul style="list-style-type: none"> • ICCC Platform • Routers and Switches • Security Solutions As per format provided in Section 9.16	
12.	List of Proposed Sub-contractors (if applicable)	<ul style="list-style-type: none"> • List of proposed sub-contractors as per format provided in Section 9.17 • Undertaking from sub-contractors format provided in Section 9.18 	TQ_12
13.	Anti-Collusion Certificate	As per format provided in Section 9.19	TQ_13
14.	Non-disclosure agreement	As per format provided in Section 9.20	TQ_14

All the Technical Bid Documents should be put in a separate envelope marked as “Technical Bid: Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela” and not to be opened except in the presence of clients’ officials.

2.12.3. Commercial Bid Format

The Bidder must submit the Commercial Bid in the formats specified in Section 10.

Section #	Section Heading	Details
1.	Commercial Bid Covering Letter	As per format provided in Section 10.1
2.	Total Price Summary	As per format provided in Section 10.2
3.	CAPEX Summary Table	As per format provided in Section 10.3
4.	OPEX Summary Table	As per format provided in Section 10.4
5.	Price Sheet	As per format provided in Section 10.5

2.13. Language

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

2.14. Authentication of Bids

- An authorized representative (or representatives) of the Bidder shall sign the bid and physically initial and stamp 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.

2.15. Amendment of Request for Proposal

- At any time prior to the due date for submission of bid, Client 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 issuing a corrigendum/amendment. Such corrigendum/amendment 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 and will be binding on the Client and the Bidder.

- It shall be the responsibility of the prospective bidder(s) to check the Client's website from time to time for any amendment in the RFP document. In case of failure to get the amendments, if any, Client shall not be responsible.
- In order to allow prospective bidders reasonable time to take the amendment into account in preparing their bids, Client, at its discretion, may extend the deadline for submission of bids. Such extensions shall be uploaded on website of the Client.
- Verbal clarifications and information given by the Client or any other Person for or on its behalf shall not in any way or manner be binding on the Client

2.16. Bid Price

- Commercial Bid shall be as per the format provided in Section 10. Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of direct transaction between Client and the Bidder.
- Bidders shall quote for the entire scope of contract on an "overall responsibility" basis such that the total bid price covers all obligations of Bidder 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 disqualified.
- Any conditional bid with any deviations from the terms and conditions of RFP shall be disqualified.

2.17. 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 specified in Section 8.14. The bids with deviation(s) are liable for rejection.

2.18. Total Responsibility

Bidder should issue a statement undertaking total responsibility for the defect free operation with effective SLAs of the proposed solutions as per the format mentioned in Section 8.15.

2.19. 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.
- Client shall not be responsible for delay in submission of any online submission related or website related issues and date of submission cannot be extended for such reasons
- Client reserves the right to modify and amend any of the above-stipulated condition/criterion.

2.20. Right to Terminate the Process

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

2.21. Non-Conforming bids

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

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

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

2.22. Acceptance and Disqualification/Rejection of Bids

- Client reserves the right to reject in full or part, any or all bids without assigning any reason thereof. Client reserves the right to assess the Bidder's capabilities and capacity. The decision of Client shall be final and binding.
- Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and in 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, Client reserves the right to reject the Bid and forfeit the EMD.
- The bid is liable to be rejected or at the discretion of Tender Evaluation Committee a proper explanation can be called in the following cases or in case bidder fails to meet the bidding requirements as indicated in this RFP:
 - During validity of the bid, or its extended period, if any, the bidder changes its quoted prices.
 - The bidder's bid is conditional and has deviations from the terms and conditions of RFP.
 - Bid is received in incomplete form.
 - Bid is not accompanied by all the requisite documents.
 - 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.
 - Commercial bid is enclosed with the same document as technical bid.
 - Bidder tries to influence the bid evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
 - If any of bidders/members of one consortium becomes members of the other consortium, both the consortiums will be disqualified.
 - Bids without EMD will be disqualified
- If there is any discrepancy in the commercial bid, it will be dealt as per the following:
 - Activities and items described in the Technical Proposal but not priced in the Commercial Proposal shall be assumed to be included in the prices of other activities or items, and no corrections will be made to the Commercial Proposal
 - 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.
 - 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.
 - If there is a discrepancy between words and figures, the amount in words shall prevail.
 - 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 explanations. On the above lines, Client reserves the right to take appropriate action which needs to be agreed by the Bidder. If the bidder does not agree to the decision of Client, the bid is liable to be disqualified.

2.23. Confidentiality

- From the time the Bids are opened to the time the Contract is awarded, the Bidder should not contact the Client on any matter related to its Qualification Documents, Technical Bid and/or Commercial Bid. Information relating to the evaluation of Proposals and award recommendations shall not be disclosed to the Bidders who submitted the Bids or to any other party not officially involved with the bid process, until the publication of the Contract award.
- Any attempt by a Bidder or anyone on behalf of the Bidder to seek any information or influence improperly the Client in the evaluation of the Bids or award of the Contract may result in the disqualification of its Bid.
- 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 specified in section 9.20.

2.24. Key Personnel

- Client 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 6.1.1.
- The personnel proposed should possess good working knowledge of English language. No key personnel involved should have attained the age of 70 years at the time of submitting the proposal. The Client reserves the right to ask for proof of age, qualification and experience at any stage of the Project

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.
- The Bidder shall assess support personnel; both technical and administrative to undertake the Project. If required, additional support and administrative staff shall be provided as needed for the timely completion of the Project without any additional cost to the Client. It is stressed that the time period for the Assignment indicated in the Technical Requirements should be strictly adhered
- 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 Client'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 Client of the date of each evaluation of each member of the Key Personnel. Client shall be entitled to provide inputs to the bidder for each such evaluation. Bidder shall promptly provide the results of each evaluation to Client, subject to Applicable Law.

2.24.3. Replacement

- In case any proposed resource resigns, then the Bidder has to inform Client 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 Client.
- Before assigning any replacement member of the Key Personnel to the provision of the Services, Bidder shall provide Client with:
 - A resume, curriculum vitae and any other information about the candidate that is reasonably requested by Client; and
 - 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 Client 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. Client 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 Client's prior written consent, Bidder shall:
 - provide Client 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
 - 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

- 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, Client 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, Client 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 Client for, inter alia, time, cost and effort of Client, in regard to the RFP, including consideration and evaluation of such Bidder's Bid.
- Without prejudice to the rights of Client under Clause above and the rights and remedies which Client may have under the LoA or the Agreement, if a Bidder is found by Client 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 LoA or the execution of the Agreement, such

Bidder shall not be eligible to participate in any tender or RFP issued by Client during a period of 3 years from the date such Bidder is found by Client to have directly or through an agent, engaged or indulged in any Prohibited Practices.

- For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:
 - “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 Client who is or has been associated in any manner, directly or indirectly with the Selection Process or the LoA 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 Client, 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 Client in relation to any matter concerning the Project;
 - “fraudulent practice” means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
 - “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;
 - “undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by Client 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
 - “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 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, Client shall forfeit and appropriate the EMD, if available, as mutually agreed genuine pre-estimated compensation and damages payable to Client for, inter alia, the time, cost and effort of Client including consideration of such Bidder’s Bid, without prejudice to any other right or remedy that may be available to Client hereunder or otherwise.
- Client requires that the bidder provides solutions which at all times hold Client’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 Client.
- Conflicting activities: Conflict between consulting activities and procurement of goods, works or non-consulting services: a Bidder that has been engaged by the Client to provide goods, works, or non-consulting services for a project, or any of its Affiliates, shall be disqualified from providing consulting services resulting from or directly related to those goods, works, or non-consulting services. Conversely, a Bidder hired to provide consulting services for the

preparation or implementation of a project, or any of its Affiliates, shall be disqualified from subsequently providing goods or works or non-consulting services resulting from or directly related to the consulting services for such preparation or implementation.

- **Conflicting Relationships: Relationship with the Client's staff:** a Bidder (including its Directors, Stakeholders or Management) that has a close business or family relationship with a professional staff of the Client who are directly or indirectly involved in any part of (i) the preparation of the RFP for the assignment, or (ii) the Technical Specifications of the goods, works or services may not be awarded a Contract, unless the conflict stemming from this relationship has been resolved in a manner acceptable to the Client throughout the selection process and the execution of the Contract.

2.27. Sub-Contracting

- The bidder would be allowed to sub-contract for the following:
 - Cabling and fixtures work, and all civil and electric work during implementation
 - Facility Management Staff at Command & Communications Centre
 - Atleast 5% of the value of Total Project Cost (supply and installation cost as well as recurrent cost) to a local firm registered in the state of Odisha
- Sub-contracting shall be allowed only with prior written approval of Client. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the lead bidder. The lead bidder shall be held responsible for any delay/error/non-compliance etc. of its sub-contracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to the Client.
- A list of all sub-contractors that the bidder proposes to sub-contract the works mentioned above shall be set out as per format provided in Section 9.17 along with an undertaking as specified in Section 9.18.

Note: The bidder may be allowed to change any sub-contractor during any stage of the contract, only with prior approval from the client.

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 MSME/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

For the below OEM criteria, either a public documentation or Self-certification on OEM letter head (As per the format provided in Section 9.16) to be provided as a proof of compliance:

- 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.
- All quoted OEM should have quality standard certifications like ISO 9001-2015 or ISO 14001 or ISO 27001, or ISO 20000 as applicable to ensure only quality OEM participation, as on date of RFP release.
- OEM for the all active network, security, storage should have a registered office in India and should be directly present for last 7 years, from date of RFP publication. They should also have a development center in India.
- OEM for the Command Control Software/ Platform should have a registered office in India and should be directly present for last 3 years, from date of RFP publication. They should also have a development center in India.

- OEM for Command Control Software/Platform should have deployed at least 1 Smart City solution in India. In addition, the same OEM should have deployed similar solution in 2 or more locations globally (including India).
- Proposed OEM for any technology should not have filed for bankruptcy and should be profitable for at least last 2 consecutive financial years
- 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. Bid will be rejected in case of any non-complied product/ solution proposed. All goods or products 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.
- The proposed OEM should not have been blacklisted by any State / Central Government Department or Central /State PSUs.
- All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFP. Each of the proposed OEMs should have existing capability and infrastructure to provide 24x7x365 technical support with Indian Toll or Toll-Free call in numbers.
- 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.
- The proposed OEM should have installed base of at least 20% of the quantities proposed in the BoM for the quoted product or technology globally (including India).
- Independent Software Vendor (ISV) shall have implementation base of minimum 3 similar projects globally (including India) in areas including ICC, DB, AI analytics, ERP etc.
- Bidder must quote products in accordance with above clause “Eligible goods and related services.
- Bidder’s solution shall adhere to the “Cyber Security Model Framework for Smart Cities” (Office Memorandum No. K-15016/61/2016-SC-1 and K-14012/101(02)/2018-SC-III-A) issued by Ministry of Housing and Urban Affairs, Government of India) and all other standards as quoted in Volume-2 or as may be applicable.

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 by Client

- At the time of award of contract, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.
- If the Client 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.
- 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

- No bid may be withdrawn, substituted, or modified in the interval between the bid submission deadline and the expiration of the bid validity period specified by the Bidder in the Bid

Submission Form, or any extension thereof agreed to by the Bidder. Withdrawal of a bid during this interval may result in the forfeiture of the EMD/Bid Security.

- Any alteration/ modification in the Application or additional information supplied subsequent to the Bid Submission Date, unless the same has been expressly sought for by the Client, shall be disregarded.
- Bids withdrawn shall not be opened and processed further.

2.32. Site Visit

- The Bidder may wish to visit and examine the site or sites and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.
- It is strongly recommended that bidders may conduct their site surveys as per the requirement of RFP wherever necessary, prior to proposal submission.
- 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 Client in presence of those Bidders or their authorised 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 Client 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
 - **RFP Document fee, Bid Security/EMD & Pre-Qualification bid**
 - **Technical bid**
 - **Commercial bid**
- The venue, date and time for opening the Bids are mentioned in the Fact sheet.
- The Technical Bids of only those bidders who clears the Pre-qualification stage shall be opened
- The date and time for opening of Technical bid and the Commercial bid would be communicated at respective stages to eligible bidders.
- The Commercial Bids of only those bidders will be opened who score equal to or more than 75% in Technical Evaluation and minimum 60% in each section of the Technical Evaluation Framework as given in Section 6.

3.2. Preliminary Examination of Bids

Client 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 disqualified by Client and shall not be included for further consideration.

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

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

3.3. Clarification on Bids

During the bid evaluation, Client 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

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

The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender

Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.

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

3.4.1. Stage 1: Pre-Qualification

- Client shall validate the “RFP Document fee & Bid Security/Earnest Money Deposit (EMD)”. If the contents are as per requirements, Client shall open the “Pre-Qualification Bid”. **Each of the Pre-Qualification condition mentioned in Section 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 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.
- Technical and Commercial bids for those bidders who do not pre-qualify will not be opened. Commercial bid will not be opened for those bidders, who do not qualify the technical evaluation. Bid Security amount shall be returned for those who do not qualify the Commercial evaluation stage after submission of PBG by successful bidder.

3.4.2. Stage 2: Technical Evaluation

- “Technical bid” will be evaluated only for the bidders who succeed in Stage 1.
- Client will review the technical bids of the short-listed bidders for responsiveness. If the Technical Proposal is found
 - not to be complete in all respects; or
 - not duly signed by the authorised signatory of the Bidder; or
 - not to be in prescribed format; or
 - to contain alterations, conditions, deviations or omissions.

then such Technical Proposal shall be deemed to be substantially non-responsive and be liable to be disqualified at Client’s discretion.

- 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 6 & 6.1
- Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the bidders who get an Overall Technical score of 75% and minimum 60% in each section of the Technical Evaluation Framework as given in Section 6 will qualify for commercial evaluation stage. Failure to secure minimum overall as well as sectional marks shall lead to technical disqualification of the Bid

3.4.3. Stage 3: Commercial Evaluation

- After the evaluation of Technical Bids of eligible Bidders is completed, the Client shall notify those Bidders whose Technical Bids were considered non-responsive to the RFP or who do not score the minimum qualifying technical score that their Commercial Bids will not be opened. The Commercial Proposals of technically unqualified Bidders will be returned unopened. The Client shall simultaneously notify in writing those Bidders that have achieved the minimum qualifying technical score and inform them of the date, time and location for the opening of their Commercial Bids.
- The Commercial Bids of eligible Bidders whose Technical Bids have scored at least the minimum overall qualifying technical and sectional cut-off score shall be opened online by the Client’s Authorised Officials on the date and at the time notified by the Client in the presence of the Bidders whose designated representatives choose to be present. At the

opening of the Commercial Bids, the names of the Bidders, and the overall technical and sectional scores shall be read aloud.

- The Commercial Bids will then be evaluated to confirm that they are responsive in terms of the RFP. If any Commercial Bid is found:
 - not to be complete in all respects;
 - not duly signed by the authorized signatory of the Bidder, wherever required;
 - not to be in the prescribed format; or
 - to contain alterations, conditions, deviations or omissions;
 - not as per the format provided in Section 10 (Annexure 4)

then such Commercial Bid shall be deemed to be substantially non-responsive and liable to be disqualified.

The Commercial Bids that are found to be responsive will be evaluated, and the total cost quoted by the eligible and technically qualified Bidders will be read aloud and recorded.

- Total Price shall be calculated based on the format provided in Section 10 (Annexure 4). The Total Price (C) for each responsive bid shall be sum of Capex cost and Opex cost, where,

Opex cost should be all inclusive of the costs of necessary goods such as spare parts, software license renewals, labour etc. needed for the continued and proper operation of the system. The Opex cost (O) shall be reduced to the net present value (NPV) and determined using the following formula:

$$O \equiv \sum_{x=1}^M \frac{O_x}{(1+I)^x}$$

where

M = number of years of the Operation and Maintenance period as defined Section 1.4 (Fact Sheet SI. # 18)

x = an index number 1, 2, 3, ... M representing each year of the Operation and Maintenance service period.

O_x = total Opex Costs for year “x”, as recorded in the ‘OPEX Summary Table’.

I = discount rate to be used for the Net Present Value calculation of Opex Cost, @ 10% per annum.

- The method of selection is L1. The contract will be awarded to the bidder quoting the lowest ‘total price’ post technical qualification as calculated above. Prices exclusive of GST will be considered for arriving at L1 price.
- The bid price shall be in Indian Rupees and shall mention GST separately.
- The L1 bidder shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same L1, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.

4. Award of Contract

4.1. Negotiations

- The negotiations will be held at the date and address as informed by the Client.
- The Client shall prepare minutes of negotiations which will be signed by the Client and the Bidder's authorized representative.
- If the negotiations fail, the Client shall inform the first/highest ranking Bidder in writing of all pending issues and disagreements and provide a final opportunity to the first/highest ranking Bidder to respond. If disagreement persists, the Client shall terminate the negotiations informing the first/highest ranking Bidder of the reasons for doing so. Upon termination of the negotiations with the first/highest ranking Bidder, the Client may invite the next-ranked Bidder in terms of price to negotiate the Contract with the Client or annul the bid process, reject all Proposals and invite fresh Proposals. If the Client commences negotiations with the next best price Bidder, the Client shall not reopen the earlier negotiations.

4.2. Award of Contract

- After completing the negotiations, the Client shall issue a letter of award (LoA) to the selected Bidder
 - accepting the Proposal of the selected Bidder with such modifications as may be negotiated with the Client;
 - requesting it to submit the Performance Bank Guarantee in accordance with Clause 4.3
 - Subject to submission of the Performance Bank Guarantee and satisfaction of all other conditions specified in the letter of award, requesting it to execute the Contract
- As an acceptance of the LoA, the Bidder shall sign and return a duplicate copy of the LoA to Client or the agency designated by the Client. The bidder shall return the duplicate copy along with a Performance Bank Guarantee within 15 working days from the date of issuance of LoA.
- On receipt of the Performance Bank Guarantee, Client or the agency designated by Client shall enter into a contract with the successful bidder. The Master Service Agreement (along with SLA which is an integral part of the Contract) is provided in RFP Volume III.
- Upon execution of the Contract, the Client will publish the award information; and promptly notify the other technically qualified Bidders of the conclusion of the selection process or upload the details of the selected Bidder on its website.
- If the selected Bidder fails to satisfy the conditions specified in Clause 4.2 (a) above or fails to execute the Contract on or before the date specified in the letter of award, the Client may, unless it consents to an extension, without prejudice to its other rights under the RFP or in law, disqualify the selected Bidder, revoke the letter of award and forfeit the EMD of the selected Bidder. If the Client elects to disqualify the selected Bidder and revoke the letter of award, it may invite the next best price Bidder to negotiate the Contract with the Client or take any such measure as it may deem fit, including inviting fresh Proposals from the eligible Bidders or annulling the entire bid process.

4.3. Performance Bank Guarantee (PBG)

- Within fifteen (15) working days from the date of issuance of LoA, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Client. The PBG shall be from a Nationalized Bank or a Scheduled Commercial Bank in the format prescribed in Section 11 - 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 Client, in the event the Bidder:
 - fails to meet the Service Level Agreements (SLAs) as mentioned in RFP Volume III or any changes agreed between the parties,
 - fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Client,
 - Misrepresents facts/information submitted to Client.
- The performance bank guarantee shall be valid for a period of 60 days beyond the date of completion of all contractual obligations, including O&M. The performance bank guarantee may be discharged/ returned by Client 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), Client shall have the right to invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of Client under the contract in the matter, the proceeds of the PBG shall be payable to Client as compensation for any loss resulting from the bidder's failure to perform/comply its obligations under the contract.
- Client 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. After 40 days of notice, if the bidder fails to rectify the default, Client 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 at their own cost.
- 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 Client.
- 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.
- Client 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 Client and within time specified and acceptable to Client.
- If the successful bidder, having been notified, fails to remedy the defect(s) within the period specified in the contract, Client 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 Client 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 Client.

- The successful bidder hereby warrants that:
 - 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.
 - The proposed integrated solution shall achieve parameters delineated in the technical specification/requirement.
 - The successful bidder shall be responsible for warranty services from licensors of products included in the systems.
 - 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 Client may award the contract to the next best price bidder or call for new bids.
- In such a case, Client shall invoke the PBG and/or forfeit the EMD.

5. Pre-Qualification Criteria

#	Type	Eligibility Criteria	Document Proof
1.	Bidder Profile	<p>The Sole Bidder</p> <p>OR</p> <p>Consortium</p> <ul style="list-style-type: none"> Maximum 4 members including the lead bidder are allowed in a Consortium Sole Bidder, or in case of a consortium, the lead bidder should be registered in India under Companies Act 1956/2013 or as amended or a firm or limited liability partnership registered in India. The Sole Bidder or the Lead Bidder in case of a consortium should be in operation for a period of at least five (5) years as on published date of RFP In case of a consortium, in addition each member other than the lead partner shall be in operation for a period of at least two (2) years) as on published date of RFP One of the Firms would be designated as a "Lead Bidder". The lead bidder along with all Consortium members shall be jointly and severally responsible for the project execution. The other consortium members shall be severally liable for their respective scope and roles as specified in the project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP. Other consortium members should be registered in India under Companies Act 1956/2013 or as amended or a firm or limited liability partnership registered in India <p>Or</p> <p>Registered Abroad under any other Suitable Act</p> <ul style="list-style-type: none"> None of the member of a given JV/Consortium can be a member of another JV/Consortium for submitting this same bid otherwise all the bids comprising the same member shall stand disqualified. However, a sub-contractor can be a member of more than one JV/ Consortium. 	<ul style="list-style-type: none"> Copy of Certificate of Incorporation /Registration under Companies Act, 1956/2013 or a firm or limited liability partnership registered in India PAN Card GST registration Global companies to provide equivalent proof of incorporation/ registration A written undertaking from each of the consortium members, in case of a consortium, duly signed by the authorized signatory, holding a written power of attorney for this bid on a stamp paper, authorizing the lead bidder to 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 the payments. <p>Please refer to sections 8.1-8.6</p>

#	Type	Eligibility Criteria	Document Proof
2.	Bidder Turnover	<p>The average annual Turnover (TO) in Indian Rupees (INR) for last 3 audited financial years (2015-16, 2016-17 and 2017-18).</p> <ul style="list-style-type: none"> For Sole Bidder – INR 400 Cr For Consortium <ul style="list-style-type: none"> Lead member should have minimum average annual Turnover (TO) of INR 240 Cr All the Consortium members including the Lead Bidder should meet INR 400 Cr TO requirement Lead member or Consortium members shall be into one of the following specific business areas. <p>Specific Business Areas</p> <ul style="list-style-type: none"> ICT Infrastructure IT System Integration Services ICT Solution Implementation 	<ul style="list-style-type: none"> Audited financial statements for each of the consortium members for the last 3 financial years (2015-16, 2016-17, 2017-18) Certificate from the Statutory auditor / Practicing CA clearly stating the annual turnover for the specified years. MoA/AoA/other relevant documents shall be submitted showing the area of business. <p>Please refer to section 8.7</p>
3.	Bidder Net Worth	<p>The Net Worth (NW) in Indian Rupees (INR) as on 2017-18 financial year end</p> <ul style="list-style-type: none"> For Sole Bidder: INR 100 Cr For Consortium <ul style="list-style-type: none"> Lead member should have minimum INR 60 Cr NW Each of the other members should have positive Net Worth All Consortium members including the lead bidder together should meet INR 100 Cr NW requirement 	<p>Certificate from the Statutory auditor / Practicing CA clearly stating the net worth.</p> <p>Please refer to section 8.8</p>
4.	Bidder Standing	<p>The sole bidder OR the Lead bidder and each of the member of the Consortium, sub-contractor and OEMs (As per categories list given in Technical Bid Format, Section 2.12.2 – SI # 11) should not be blacklisted by any Central / State Government Department or Central/State Public Sector Units (PSUs) in India as on the bid submission date</p>	<p>Affidavit by the bidder (In case of Consortium to be provided by each member), sub-contractor and OEM</p> <p>Please refer to section 8.9</p>
5.	Bidder Local Presence	<p>Local presence:</p> <ul style="list-style-type: none"> The Bidder (Lead Bidder in case of consortium) shall have an office in Rourkela or shall furnish an undertaking at the time of bid submission that the Bidder shall establish an office in Rourkela within sixty days of signing the Contract. The office shall be maintained during the entire duration of the Contract. 	<p>For Bidder (Lead Bidder in case of consortium: Confirmation of existing office in Rourkela or undertaking from authorized signatory to open office with GST registration in Rourkela within 60 days from Contract signing.</p>

#	Type	Eligibility Criteria	Document Proof
			Please refer to section 8.10
6.	Certifications	<p>The sole Bidder or any member in case of a Consortium, should possess any one of the below Certifications which are valid at the time of bid submission:</p> <ul style="list-style-type: none"> • ISO 9001: 2015 • ISO 20000:2011 for IT Service Management • ISO 27001:2013 for Information Security Management System 	Copies of the valid certification in the name of the bidder
7.	Bidder Experience: ICCC	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least one project related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least three (3) different city/campus-wide applications/sensors (covering Surveillance/ Traffic/ Disaster Management/ City Operations/ Solid Waste Management/ Environment Sensors/ Transport Monitoring/ Parking/ E-Governance/ Emergency Services/ SCADA) at the command and control centre for a city wide/ campus wide deployment having a minimum value of INR 5 crore per project (excluding civil works) during last five (5) years.</p>	<p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> • Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. • In case the value of the required project component is not explicitly provided in the Work Order/ Contract, a Certificate from the Statutory auditor / Practicing CA clearly stating the value of the required project component should be provided as per format given in Section 8.13
8.	Bidder Experience: Integrated Traffic Management System	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least one project with regard to implementation of integrated Traffic Management System having a minimum value of INR 5 crore per project comprising any of the following key components during last five years:</p> <ul style="list-style-type: none"> • Traffic Violation Detection System • Adaptive Traffic Signal Control System • Variable Message Signboards • Public Address System 	<ul style="list-style-type: none"> • Completion Certificate issued & signed by the competent authority of the Client on the Client's Letterhead • In case of large orders/ orders with operations & maintenance phase, the completion may specify successful execution and in-operation status of a part of the order meeting the requirement through a self-declaration.
9.	Bidder Experience: Wi-Fi Hotspots	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least one (1) City wide / campus(s) wide Wi-Fi Projects consisting of over 50 Access Points per project during last five years</p>	
10.	Bidder Experience: Safety and Surveillance	<p>The Bidder (any member in case of consortium) shall have experience in implementing video surveillance project with more than 100 outdoor CCTV IP cameras</p>	

#	Type	Eligibility Criteria	Document Proof
		with video analytics system on a city wide basis during last five years	<ul style="list-style-type: none"> For ongoing projects, the bidder may provide self-declaration certification <p>The format of the self-certificate is provided in Section 8.13</p> <p>In case of a Non-Disclosure Agreement (NDA), Company Secretary / Chartered Accountant Signed Certificate providing details of Scope of work and Value and stage of project.</p> <p>Please refer to sections 8.11-8.13</p>
11.	Other Smart Solution Experience	The Bidder (any member in case of consortium) shall have experience in implementing at least one project related to implementation of Environment Sensors and / or Smart Classrooms during last five years with a minimum value of INR 0.5 Crore during last five years.	
12.		<p>Overall:</p> <p>Sole Bidder shall have at least one project experience in each of 5 project categories for pre-qualification stage in last five years.</p> <p>In case of a consortium, all members together shall meet the Pre-Qualification experience criteria (7 - 11)</p>	
13.	Additional Certification	The sole bidder or any member in case of a consortium should have CMMi level 3 or above certification	Copies of the valid certification in the name of the bidder

Notes:

- Any bid failing to meet all of the above eligibility criteria shall be disqualified and will not be considered for technical evaluation.
- A parent company/firm shall be allowed to use the credentials of its subsidiaries/associates provided, the stake of the parent company is more than 50% and satisfactory documentary proofs establishing the relationship and stake are submitted.
- A wholly owned subsidiary may use the technical credentials of its parent company if an undertaking confirming the relationship is provided by the parent company/firm
- For all other documents Client work Order/Certificate shall require to be provided in English Language (Please refer Clause 2.13).

6. Technical Evaluation Framework

The Bidder's Technical Bid shall be evaluated as per the evaluation criteria in the following table.

Section #	Evaluation Criteria	Marks	Minimum Sectional Qualifying Marks
A	Sole Bidder /Consortium Profile	10	6
B	Sole Bidder /Consortium Project Experience	55	33
C	Proposed Resources for the Project	35	21
Technical Score		100	

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

- Minimum 60% of the maximum allotted marks in each section as given in the table above
AND
- Minimum 75% (75 marks) of the overall technical score.

Note: Client (or its 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.

6.1. Technical Bid Evaluation Criteria

#	Technical Evaluation Criteria	Technical Evaluation Parameter	Maximum Marks	Documents Required	
A. Sole Bidder /Consortium Profile: 10 Marks					
A1	People in organization (Number of persons employed in ICT projects)	Number of FTE	Marks	2	<ul style="list-style-type: none"> • Certificate from the Authorised Signatory as on the bid submission date for Bidder/each of the consortium member.
		>450	2		
		>300 and <=450	1.4		
		>200 and <=300	0.6		
		In case of Consortium, at least 50% of the criteria shall be met by the Lead member and the remaining can be met by the other Consortium partners.			
A2	Net worth as on 2017-18 financial year end	Net Worth (Indian Rupees)	Marks	4	<ul style="list-style-type: none"> • Certificate from the Statutory auditor / Practising Chartered Accountant clearly stating the Net Worth of the Bidder/each
		>=200 Cr	4		
		>=150 Cr and <200 Cr	2.8		
		>=100 Cr and <150 Cr	1.2		

#	Technical Evaluation Criteria	Technical Evaluation Parameter	Maximum Marks	Documents Required								
		<p>In case of Consortium, Lead member should have minimum INR 60 Cr NW</p> <p>Each of the other members should have positive Net Worth. All Consortium members including the lead bidder together should meet INR 100 Cr NW requirement.</p>		member of the Consortium.								
A3	Average Annual Turnover of last 3 audited financial years (2015-16, 2016-17, 2017-18).	<table border="1"> <thead> <tr> <th>Turnover (Indian Rupees)</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>=700 Cr</td> <td>4</td> </tr> <tr> <td>>=500 Cr and <700 Cr</td> <td>2.8</td> </tr> <tr> <td>>=400 Cr and <500 Cr</td> <td>1.2</td> </tr> </tbody> </table> <p>In case of Consortium, Lead member should have minimum average annual Turnover (TO) of INR 240 Cr. All the Consortium members including the Lead Bidder should meet INR 400 Cr TO requirement</p>	Turnover (Indian Rupees)	Marks	>=700 Cr	4	>=500 Cr and <700 Cr	2.8	>=400 Cr and <500 Cr	1.2	4	<ul style="list-style-type: none"> Audited financial statements for each of the consortium members for the last 3 financial years (2015-16, 2016-17, 2017-18) Certificate from the Statutory auditor / Practicing Chartered Accountant clearly stating the annual turnover for the specified years
Turnover (Indian Rupees)	Marks											
>=700 Cr	4											
>=500 Cr and <700 Cr	2.8											
>=400 Cr and <500 Cr	1.2											
B. Sole Bidder /Consortium Project Experience: 55 Marks												
B1	Integrated Command and Control Centre (ICCC)	<ul style="list-style-type: none"> The Bidder (any member in case of consortium) shall have experience in implementing at least two projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least three (3) different city/ campus-wide applications/ sensors (covering Surveillance/ Traffic/ Disaster Management/ City Operations/ Solid Waste Management/ Environment Sensors/ Transport Monitoring/ Parking/ E-Governance/ Emergency Services/ SCADA) at the command and control centre for a city wide /campus wide deployment having a minimum value of INR 5 crore per project (excluding civil works) during last five (5) years. <p>Points are allocated based on number of projects</p> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>=4</td> <td>20</td> </tr> <tr> <td>=3</td> <td>14</td> </tr> <tr> <td>=2</td> <td>6</td> </tr> </tbody> </table>	Number of Projects	Marks	>=4	20	=3	14	=2	6	20	<p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. In case the value of the required project component is not explicitly provided in the Work Order/ Contract, a Certificate from the Statutory auditor / Practicing CA clearly stating the value of the required project component should be provided as per
Number of Projects	Marks											
>=4	20											
=3	14											
=2	6											

#	Technical Evaluation Criteria	Technical Evaluation Parameter	Maximum Marks	Documents Required								
B2	Integrated Traffic Management System (ITMS)	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least two projects with regard to implementation of integrated Traffic Management System having a minimum value of INR 5 crore per project comprising any of the following key components during last five years:</p> <ul style="list-style-type: none"> • Traffic Violation Detection System • Adaptive Traffic Signal Control System • Variable Message Signboards • Public Address System <p>Points are allocated based on number of projects</p> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>=4</td> <td>14</td> </tr> <tr> <td>=3</td> <td>9.8</td> </tr> <tr> <td>=2</td> <td>4.2</td> </tr> </tbody> </table>	Number of Projects	Marks	>=4	14	=3	9.8	=2	4.2	14	<p>format given in Section 9.9</p> <ul style="list-style-type: none"> • Completion Certificate issued & signed by the competent authority of the Client on the Client's Letterhead • In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in-operation status of a part of the order meeting the requirement through a self-declaration. • For ongoing projects, the bidder may provide self-declaration certification <p>The format of the self-certificate is provided in Section 9.9</p>
Number of Projects	Marks											
>=4	14											
=3	9.8											
=2	4.2											
B3	Safety and Surveillance	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least two city wide video surveillance project with more than 100 outdoor CCTV IP cameras with video analytics system during last five years.</p> <p>Points are allocated based on number of projects</p> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>=4</td> <td>12</td> </tr> <tr> <td>=3</td> <td>8.4</td> </tr> <tr> <td>=2</td> <td>3.6</td> </tr> </tbody> </table>	Number of Projects	Marks	>=4	12	=3	8.4	=2	3.6	12	<p>In case of a Non-Disclosure Agreement (NDA), Company Secretary / Chartered Accountant Signed Certificate providing details of Scope of work and Value and stage of project should be provided.</p>
Number of Projects	Marks											
>=4	12											
=3	8.4											
=2	3.6											
B4	Wi-Fi	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least two (2) City wide / campus(s) wide Wi-Fi projects consisting of over 50 Access Points per project during last five years.</p> <p>Points are allocated based on number of projects</p> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>=4</td> <td>5</td> </tr> <tr> <td>=3</td> <td>3.5</td> </tr> <tr> <td>=2</td> <td>1.5</td> </tr> </tbody> </table>	Number of Projects	Marks	>=4	5	=3	3.5	=2	1.5	5	<p>In case of a Non-Disclosure Agreement (NDA), Company Secretary / Chartered Accountant Signed Certificate providing details of Scope of work and Value and stage of project should be provided.</p>
Number of Projects	Marks											
>=4	5											
=3	3.5											
=2	1.5											

#	Technical Evaluation Criteria	Technical Evaluation Parameter	Maximum Marks	Documents Required																														
B5	Other Smart Solution Experience	<p>The Bidder (any member in case of consortium) shall have experience in implementing at least two project related to implementation of Environment Sensors and / or Smart Classrooms during last five years with a minimum value of INR 0.5 Crore during last five years.</p> <p>Points are allocated based on number of projects</p> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>>2</td> <td>4</td> </tr> <tr> <td>=2</td> <td>2</td> </tr> </tbody> </table>	Number of Projects	Marks	>2	4	=2	2	4																									
Number of Projects	Marks																																	
>2	4																																	
=2	2																																	
C. Proposed Resources for the Project: 35 Marks																																		
C1	Key Personnel	<p>The following profiles shall be evaluated:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>Project Director</td> <td>6</td> </tr> <tr> <td>Project Manager</td> <td>5</td> </tr> <tr> <td>Solution Architect</td> <td>4</td> </tr> <tr> <td>Security Architect</td> <td>4</td> </tr> <tr> <td>Command & Communications/ Control Center Expert</td> <td>4</td> </tr> <tr> <td>ITMS Expert</td> <td>4</td> </tr> <tr> <td>IoT Expert</td> <td>4</td> </tr> <tr> <td>Network Architect</td> <td>2</td> </tr> <tr> <td>Master Trainer</td> <td>2</td> </tr> </tbody> </table> <p>Evaluation Framework</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Percentage Distribution</th> </tr> </thead> <tbody> <tr> <td>General Qualifications</td> <td>20%</td> </tr> <tr> <td>Adequacy for the assignment</td> <td></td> </tr> <tr> <td>Experience in similar capacity/ broad sector</td> <td>30%</td> </tr> <tr> <td>Experience relevant to TOR/ Project</td> <td>50%</td> </tr> </tbody> </table>	Parameter	Marks	Project Director	6	Project Manager	5	Solution Architect	4	Security Architect	4	Command & Communications/ Control Center Expert	4	ITMS Expert	4	IoT Expert	4	Network Architect	2	Master Trainer	2	Parameter	Percentage Distribution	General Qualifications	20%	Adequacy for the assignment		Experience in similar capacity/ broad sector	30%	Experience relevant to TOR/ Project	50%	35	
Parameter	Marks																																	
Project Director	6																																	
Project Manager	5																																	
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Security Architect	4																																	
Command & Communications/ Control Center Expert	4																																	
ITMS Expert	4																																	
IoT Expert	4																																	
Network Architect	2																																	
Master Trainer	2																																	
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General Qualifications	20%																																	
Adequacy for the assignment																																		
Experience in similar capacity/ broad sector	30%																																	
Experience relevant to TOR/ Project	50%																																	

Note

- For the positions of Solution Architect and Security Architect, any international experience in a similar role will carry 0.5 marks out of the total 4 marks.
- Bidder to submit the duly and completely filled compliance sheets of minimum functional and technical requirements (as provided in Volume 2 of this RFP) along with the technical response to RFP as part of bid submission. The same shall be considered as part of technical evaluation.
- For all documents/certificates executed and issued overseas, the document/certificate will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the document/certificate provided by Bidder from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Apostille certificate. It shall be the responsibility of the bidder to provide all necessary proof/ documentation/ certification and clearances with regard to global / overseas project experience.

6.1.1. Key Personnel

MSI shall provide adequate number of personnel, each responsible for a specific role within the project. MSI shall provide clear definition of the role and responsibility of each individual personnel. If required, additional support and administrative staff shall be provided as needed for the timely completion of the project without any additional cost to the Client. It is stressed that time period for the assignment indicated in the RFP shall be strictly adhered to. SI shall have a defined hierarchy and reporting structure for various teams that shall be part of the project. SI has to provide the list of proposed Resources for the Project. Any changes in Resource deployment will have to be approved by the Client.

Following table indicates the minimum qualification required for Key Positions identified for this project. However, SI shall independently estimate the team 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. Further, all the key personnel whose CVs will be evaluated shall be full-time employees of the sole bidder or any member in case of a Consortium.

#	Position	Minimum Qualifications and Experience
1.	Project Director	a) Education: MCA/M. Tech/MBA/M.E & B. Tech/B.E. or equivalent from a recognized educational institution b) Experience: Minimum 15 years in IT sector. Should have more than 8 years of experience of leading such large ICT projects involving implementation of Surveillance/ITMS/ E-Governance/ IT infrastructure with Command & Control Center.
2.	Project Manager	a) Education: MBA/MCA/M. Tech & B. Tech/B.E. or equivalent from a recognized educational institution along with PMP or Prince2 certification b) Experience: Minimum 10 years in IT sector. Should have more than 5 years of experience of leading such large ICT projects involving implementation of Surveillance/ITMS/ E-Governance/ IT infrastructure with Command & Control Center.
3.	Solution Architect	a) Education: MCA/M. Tech/B. Tech/B.E. or equivalent from a recognized educational institution b) Experience: Minimum 10 years in IT sector. Should have experience of more than 3 years as a Solution Architect in large projects of similar nature. Any international experience in a similar role will be a plus.
4.	Security Architect	a) Education: Bachelor in IT or Engineering along with industry standard certifications including CISSP b) Experience: More than 8 years of experience implementing secure networks. Must have at least two relevant projects (Security Architecture). Any international experience in a similar role will be a plus.
5.	Command & Communications/ Control Center Expert	a) Education: B.Tech / M.Tech/MCA or equivalent from a recognized educational institution b) Experience: Minimum 10 years in IT sector. Should have experience in designing & implementing Command Center for minimum 2 projects of similar nature
6.	ITMS Expert	a) Education: Bachelor of Engineering degree or MCA or equivalent from a recognized educational institution

#	Position	Minimum Qualifications and Experience
		b) Experience: Minimum 10 years in IT sector. Should have experience in designing, implementing and integrating various ITMS sub-systems like Traffic Signalling and RLVD/ANPR for at least 2 projects
7.	IoT Expert	a) Education: B.Tech / M.Tech or equivalent from a recognized educational institution b) Experience: Minimum 10 years in IT sector. Should have experience in designing & implementing IoT for at least two such projects of similar nature
8.	Network Architect	a) Education: Bachelor of Engineering degree or MCA or equivalent b) Experience: More than 8 years of experience in network design and implementation. Must have at least three relevant projects (Network Architecture)
9.	Master Trainer	a) B.Tech / M.Tech/MBA/MCA or equivalent from recognized educational institution b) Experience: Minimum 5 years in IT sector. Should have a minimum 4 years of experience in conducting trainings for similar applications & solutions
10.	QA Manager	a) B.Tech / M.Tech/MBA/MCA from a recognized educational institution b) Experience: Should have a minimum 5 years of experience in quality management areas of similar projects.

Note: CVs of QA Manager is required to be submitted along with the proposal but will not be evaluated.

Additional manpower plan for Operation and Maintenance Phase to be provided as per format provided in 9.12. Minimum required staff and corresponding minimum qualifications and experience is as follows:

#	Required Position	Minimum Qualifications and Experience
1.	ITMS Support Engineer	Bachelor in Engineering degree or MCA or equivalent with minimum 5 years' experience of deployment and maintenance of ITMS System.
2.	Integration Support Engineer	Bachelor in Engineering with minimum 5 years' experience of deployment and maintenance of integrated command and control centre
3.	Helpdesk Operations Support Engineer	Bachelor in Engineering with minimum 5 years' experience in deployment, management and maintenance of Contact centres/helpdesks.
4.	Facility Management Supervisor	Graduate with minimum 5 years of experience in supervising, managing and support of facility management
5.	Project Associates	Bachelor in Engineering/MCA with minimum 2 years of relevant experience.

The above CVs shall not be evaluated for technical score.

Note: Each CV needs to have been recently signed by the key personnel and countersigned by the authorized official of the Firm.

Apart from the above mentioned resources, the Bidder may also propose additional manpower to be deployed during the Operation & Maintenance phase of the Project as provided in the format 9.12.1. Any additional or support manpower shall be estimated and should be accounted for in the Commercial proposal by the selected bidder, so that, the project as per the scope defined and agreement are fulfilled and the project objectives are met. The resource mix should be a combination of L1, L2 and L3 (or above) level resources so that all SLA parameters can be met.

7. Annexure I – Template for Pre-Bid Queries

Bidder shall submit all pre-bid queries in MS excel in the following format to be emailed at rourkelascl@gmail.com with cc to rourkelamsirfp@gmail.com, clearly specifying the subject:

'Queries for Selection of MSI_Smart Solutions_<<Bidder's Company Name>>'.

#	RFP Volume	RFP Section/FR/TR No*	RFP Page No.	Content in the RFP	Clarification Sought

***Note:**

- In case of queries with regard to RFP document, please mention the section/clause as may be applicable.
- In case of queries with regard to functional or technical requirements, please give reference of the corresponding FR/TR.

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

8.1. Pre-Qualification Bid Checklist

#	Compliance Criteria	Compliance (Yes/No)	Page No. and Section No. in bid
1.	RFP Document Fees		NA
2.	Earnest Money Deposit		NA
3.	Pre-Qualification Covering letter		
4.	Consortium Agreement		
5.	Power of Attorney to authorised signatory		
6.	Power of Attorney for Lead Member of Consortium		
7.	Bidder Profile		
8.	The average annual Turnover (TO) in Indian Rupees for last 3 audited financial years (2015-16, 2016-17, 2017-18).		
9.	The Positive Net Worth (PNW) in Indian Rupees as on 2017-18 financial year end.		
10.	Bidder Standing		
11.	Bidder Local Presence		
12.	Certifications		
13.	Bidder Experience : ICCC		
14.	Bidder Experience: Integrated Traffic Management System		
15.	Bidder Experience: Wi-Fi		
16.	Bidder Experience: Safety and Surveillance		
17.	Bidder Experience: Other Smart Solutions (Environment Sensors and / or Smart Classrooms)		
18.	Additional Certification (Valid ISO Certifications)		
19.	Total responsibility certificate		
20.	No Deviation Certificate		

*Page No. shall be as per Bidder's proposal

8.2. Pre-Qualification Bid Covering Letter

Date: dd/ mm / yyyy

To,

[]

Sub: Request For Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela

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

Dear Sir,

With reference to your “**Request For Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**”, we hereby submit our Prequalification bid.

We hereby declare that:

- a. We hereby acknowledge and unconditionally accept that the Client can at its absolute discretion apply the criteria set out in the RFP and related documents, in short listing of Agency for providing services.
- b. We have submitted EMD of Indian Rupees [] Crores and Tender fee of Indian Rupees [] through Demand Draft no XXX or Bank Guarantee.
- 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 Client 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 comply 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, operation and maintenance 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 Client may cancel the bidding process at any time and that Client 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:

8.3. Consortium Agreement

MEMORANDUM OF UNDERSTANDING EXECUTED BY MEMBERS OF THE CONSORTIUM

[On Non-judicial stamp paper of Rs. 100/- duly attested by notary public]

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

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

WHEREAS Rourkela Smart City Limited has issued a Request for Proposal dated [Date] (RFP) from the Applicants interested in **Request For Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela:**

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 Implementation of Rourkela Smart City Solutions" as a Consortium.
 - b. Sign Contract in case of award.
 - c. Provide and perform the supplies and services which would be ordered by the Client 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 Client for "**Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**" for and related execution works to be performed pursuant to the Contract and shall not extend to any other activities.
- iii. One of the Firms would be designated as a "Lead Bidder". One of the Firms would be designated as a "Lead Bidder". The lead bidder along with all Consortium members shall be jointly and severally responsible for the project execution. The other consortium members shall be severally liable for their respective scope and roles as specified in the project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP.
- iv. ----- (Name of Party) shall act as Lead Bidder of the Consortium. As such, it shall act as the coordinator of the Party's combined activities and shall carry out the following functions:
 - d. To ensure the technical, commercial and administrative co-ordination of the work package
 - e. To lead the contract negotiations of the work package with the Client.
 - f. The Lead Bidder is authorized to receive instructions and incur liabilities for and on behalf of all Parties.

- g. In case of an award, act as channel of communication between the Client 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 Odisha 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. _____

8.4. Format for Power of Attorney to Authorized Signatory

[To be executed on non-judicial stamp paper of Rs. 100/- and document duly attested by notary public. The stamp paper to be in the name of the organisation who is issuing the power of attorney.]

Power of Attorney

Know all men by these presents, we (name of the Bidder and address of the registered office) do hereby constitute, appoint and authorize Mr. / Ms..... (name and residential address) who is presently employed with us and holding the position of as our true and lawful attorney (hereinafter referred to as the “attorney”), to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Proposal for Master System Integrator for implementation of Rourkela Smart City Solutions for Rourkela Smart City Limited (RSCL) in Rourkela City of Odisha”, including signing and submission of the Proposal and all accompanying documents, attending the pre-bid meeting, providing information/responses to RSCL, representing us in all matters before RSCL, if selected, undertaking negotiations with RSCL prior to the execution of the Contract and generally dealing with RSCL in all matters in connection with our Proposal.

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

IN WITNESS WHEREOF WE,, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF, 20.....

For _____

(Signature)

(Name, Title and Address)

Witness:

- 1.
- 2.

Accepted

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

- a) 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 executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- b) In case the Proposal is signed by an authorized director of the Bidder, a certified copy of the appropriate resolution/ document conveying such authority may be enclosed in lieu of the power of attorney.
- c) For a power of attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the power of attorney is being issued. However, the power of attorney provided by Bidders from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming apostille certificate.

8.5. Format for Power of Attorney for Lead Bidder of Consortium

[To be executed by all the members of the Consortium together on a non-judicial stamp paper of Rs. 100/- and document duly attested by notary public. The stamp paper to be in the name of the organisation who is issuing the power of attorney.]

Whereas Rourkela Smart City Limited (the “Client”) has invited proposals from Bidders for selection of Master System Integrator for [name of assignment] being developed under Rourkela Smart City Limited (RSCL) Project, (the “Project”).

Whereas, [name of Party], [name of Party] and [name of Party] (collectively the “Consortium”) being Partners of the Consortium are interested in bidding for the Project in accordance with the terms and conditions of the Request for Proposal and other connected documents in respect of the Project, and

Whereas, it is necessary for the Partners of the Consortium to designate one of them as the Lead Bidder 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 bid for the Project and its execution.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS,

We, [name of Party] having our registered office at [registered address], M/s. [name of Party], having our registered office at [registered address], and M/s.[name of Party], having our registered office at [registered address], (hereinafter collectively referred to as the “Principals”) do hereby irrevocably designate, nominate, constitute, appoint and authorize M/s [name of Lead Bidder], having its registered office at [registered address], being one of the Partners of the Consortium, as the Lead Bidder and true and lawful attorney of the Consortium (hereinafter referred to as the “Attorney”) and hereby irrevocably authorize the Attorney (with power to sub- delegate to any person) to conduct all business for and on behalf of the Consortium and any one of us during the bidding process and, in the event the Consortium is awarded the Contract, during the performance of the services related to the Project, and in this regard, to do on our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its bid for the Project, including but not limited to signing and submission of all applications, bids and other documents and writings, accept the Letter of Acceptance, participate in bidders’ and other conferences, respond to queries, submit information/documents, sign and execute contracts and undertakings consequent to acceptance of the bid of the Consortium and generally to represent the Consortium in all its dealings with the Client, and/ or any other government agency or any person, in all matters in connection with or relating to or arising out of the Consortium’s bid for the Assignment and/ or upon award thereof until the Contract is entered into with the Client.

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

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS [date in words] DAY OF [month] [year in ‘yyyy’ format].

SIGNED, SEALED & DELIVERED

For and on behalf of

LEAD BIDDER by:

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of

SECOND PART (PARTNER 1) by:

[Signature]
[Name]
[Designation]
[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of

THIRD PART (PARTNER 2) by:

[Signature]
[Name]
[Designation]
[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of

FOURTH PART (PARTNER 3) by:

[Signature]
[Name]
[Designation]
[Address]

In presence of:

1. [Signature, name and address of witness]
2. [Signature, name and address of witness]

Notes:

- a) 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 or official seal of all members.
- b) Wherever required, the Bidder should submit for verification the extract of the charter documents and other documents such as a resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- c) For a power of attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the power of attorney is being issued. However, the power of attorney provided by Bidders from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming apostille certificate.

8.6. Bidder Profile

A. Brief Bidder profile (required for Bidder/Lead Bidder and all consortium members)

#	Particulars	Description or details
1.	Name of Bidder	
2.	Legal status of Bidder (company, Pvt. Ltd., LLP etc.)	
3.	Main business of the Bidder	
4.	Registered office address	
5.	Incorporation/Registration date and number	
6.	GST registration number	
7.	PAN details	
8.	Primary Contact Person (Name, Designation, address, mobile number, fax, email)	
9.	Secondary Contact Person (Name, Designation, address, mobile number, fax, email)	
10.	EMD Details	
11.	Role in Consortium (if applicable)	

B. Certificate of Incorporation/Registration

C. PAN Card No

D. GST Registration No

E. Shareholding of the Bidder, if applicable

F. List of Directors/Partners

G. Particulars of the Authorised Signatory of the Bidder

- (a) Name:
- (b) Designation:
- (c) Company:
- (d) Address:
- (e) Telephone Number:
- (f) E-Mail Address:
- (g) Fax Number:

8.7. Certificate for the Annual Turnover

<<Required for lead bidder/sole bidder and each member of the consortium>>

This is to certify that as per the audited financial statements of <<name of the bidder>>, the annual turnover is as follows:

#	Financial Year	Annual Turnover (Rs Crore)
1	Financial Year 2015-16	
2	Financial Year 2016-17	
3	Financial Year 2017-18	

Name of the Statutory Auditor /Practicing Chartered Accountant issuing the certificate:

Name of the Firm:

Seal of Firm:

Date:

(Signature, name and designation of the authorized signatory for the Auditor's Firm)

Note:

- *The Bidder shall attach copies of the balance sheets, financial statements and audited annual reports for each of the Financial Years mentioned above. The financial statements shall:*
 - a. *reflect the turnover of the Bidder;*
 - b. *be audited by a statutory auditor/Practicing Chartered Accountant;*
 - c. *be complete, including all notes to the financial statements.*

- *In case the financial year in the Bidder's country is the calendar year, the Bidder shall submit above financial information for years 2016, 2017 and 2018.*

- *In case Bidder is claiming International Turnover, the amount shall be converted to USD and then to INR based on the RBI rates as per April 1, 2019*

8.8. Certificate for the Net Worth

Financial Year	Net Worth (Rs Crore)
2017-18	
<p>Certificate from the Statutory Auditor/Practicing Chartered Accountant</p> <p>This is to certify that..... [<i>Name of the Firm</i>] [<i>Registered Address</i>] has a net worth as shown above against the respective years. The net worth has been computed as (Subscribed and Paid up Equity + Reserves) less (Revaluation Reserves + miscellaneous expenditure not written off).</p> <p>Name of Authorized Signatory:</p> <p>Designation:</p> <p>Name of firm: (Signature)</p> <p>Seal of firm:</p>	

8.9. Bidder Standing

Declaration of Non-Blacklisting

<<To be provided by the bidder (In case of Consortium to be provided by each member), sub-contractor and OEM as per categories list given in Technical Bid Format, Section 2.12.2 – SI # 11>>

[On a Stamp Paper of Rs. 100/- value and duly notarized]

Affidavit

I M/s., (the name of the Bidder/Contractor/Sub-contractor/OEM) and addresses of the registered office) hereby certify and confirm that we are not barred or blacklisted by any Central / State Government Department or Central / State PSUs globally from participating in any project or being awarded any contract, either individually or as member of a consortium and no such bar or blacklisting subsists as on the Proposal Due Date.

We further confirm that we are aware our Proposal for the Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of selection and/or thereafter during the term of the Contract.

Dated thisDay of, 201....

NAME OF THE BIDDER/CONTRACTOR/SUB-CONTRACTOR/OEM

.....

SIGNATURE OF THE AUTHORISED PERSON

.....

NAME OF THE AUTHORISED PERSON

8.10. Bidder Local Presence

(On the letterhead of the Sole Bidder/Lead Bidder in case of a consortium)

I M/s., (the name of the Bidder and addresses of the registered office) hereby confirm that we already have a local office at Rourkela with GST No. <<insert.>> and registered address <<insert>>.

OR

I M/s., (the name of the Bidder and addresses of the registered office) hereby confirm that we shall establish a local office with warehouse facility within 60 days from issuance of Letter of Award.

We further confirm that we are aware our Proposal for the Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of selection and/or thereafter during the term of the Contract.

Dated thisDay of, 201....

NAME OF THE BIDDER

.....

SIGNATURE OF THE AUTHORISED PERSON

.....

NAME OF THE AUTHORISED PERSON

<<In case the Bidder has a local office, address along with the GST registration number should be provided>>

8.11. Project Experience Summary

#	Category	Project Name	Client Name	Client Type	Project Value (in Indian Rupees)	Project Components	Documentary evidence provided (Yes/No)	Project Status (Completed or Ongoing or Withheld)

8.12. Bidder's Experience – Client Citations

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

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

Note: If the project is ongoing, bidder must clearly specify which of the stages/phases/milestones are completed and which are ongoing and at what stage of completion and produce a self-certificate as per the format provided in Section 8.13.

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

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

Name of the Project	
Client's Name, Contact No. and Complete Address	
Contract Value for the Bidder (in Indian Rupees)	
Current status of the project (Completed/Ongoing)	
Detailed description of the Project	
Activities completed by the 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	

We further confirm that we are aware our Proposal for the Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of selection and/or thereafter during the term of the Contract.

Dated thisDay of, 201....

(Authorized Signatory)

Signature:

Name:

Designation:

Bidding entity's name

Address:

Seal:

Date:

8.14. No Deviation Certificate

<<On the Letter Head of the Bidder/Lead Bidder in case of a Consortium>>

This is to certify that our proposed solution meets all the requirements of the RfP including but not limited to Scope of Work, stated Project Outcomes (including SLAs), Business Requirements and Functional Specifications/ Requirements.

We further certify that our proposed solution meets, is equivalent or better than the minimum technical specifications as given in the RfP.

We understand that the Bill of Material provided in the RfP is indicative, we confirm that we have undertaken our own assessment to finalize the components and quantity.

In case, any item of hardware or software is found non-compliant at any stage during project implementation, it would be replaced with a fully compliant product/solution at no additional cost to Rourkela Smart City Limited. In case of non-adherence of this activity, Rourkela Smart City Limited reserves the right to cancel the contract, in case the said Contract is awarded to us by Rourkela Smart City Limited.

We further confirm that our commercial proposal is for the entire scope of work, comprising all required components and our obligations, for meeting the scope of work.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

8.15. Total Responsibility Certificate

This is to certify that we undertake the total responsibility for the timely implementation and 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. We confirm that our bid considers the requisite items/components/solutions in appropriate quantities to fulfil the RFP and project requirements in totality.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

9. Annexure 3 – Formats for Submission of the Technical Bid

9.1. Technical Bid Checklist

#	Checklist Item	Compliance (Yes/No)	Page No, and Section No. in Bid
1.	Technical Bid Letter		
2.	Certificate for the Annual Turnover		
3.	Certificate for the Net Worth		
4.	Certificate from the authorised signatory with regard to Employees in ICT projects		
5.	Project Experience Summary		
6.	Project Citations, Client Completion Certificate and Self-certifications, as applicable		
7.	Project plan and manpower plan		
8.	Proposed CVs		
9.	Proposed Bill of Material		
10.	Manufacturers'/Producers' Authorization Form		
11.	List of Proposed Sub-Contractors (if applicable)		
12.	Anti-Collusion certificate		
13.	Non-disclosure agreement		

*Page No. shall be as per Bidder's proposal

9.2. Technical Bid Covering Letter

Date:

dd/mm/yyyy

To,

[]

Subject: Request For Proposal for Selection of **Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**

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

Dear Sir,

I (in case of single bidder) or We, <<name of the undersigned lead Bidder and consortium members>>, having read and examined in detail all the bidding documents in respect of “**Request For Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**” 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 the Client, 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 Client 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 11 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 Client.

Thanking you,

Yours sincerely,

(Signature of the Lead Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

9.3. Bidder Profile

A. Brief Bidder profile (required for Bidder/Lead Bidder and all consortium members)

#	Particulars	Description or details
1.	Name of Bidder	
2.	Legal status of Bidder (company, Pvt. Ltd., LLP etc.)	
3.	Main business of the Bidder	
4.	Registered office address	
5.	Incorporation/Registration date and number	
6.	GST registration number	
7.	PAN details	
8.	Primary Contact Person (Name, Designation, address, mobile number, fax, email)	
9.	Secondary Contact Person (Name, Designation, address, mobile number, fax, email)	
10.	Role in Consortium (if applicable)	

B. Certificate of Incorporation/Registration

C. PAN Card

D. GST Registration

E. Shareholding of the Bidder, if applicable

F. List of directors

G. Particulars of the Authorised Signatory of the Bidder

- (a) Name:
- (b) Designation:
- (c) Company:
- (d) Address:
- (e) Telephone Number:
- (f) E-Mail Address:
- (g) Fax Number:

9.4. Certificate for the Annual Turnover

<<Required for lead bidder/sole bidder and each member of the consortium>>

This is to certify that as per the audited financial statements of <<name of the bidder>>, the annual turnover is as follows:

#	Financial Year	Annual Turnover (Rs Crore)
1	Financial Year 2015-16	
2	Financial Year 2016-17	
3	Financial Year 2017-18	

Name of the CA issuing the certificate:

Name of the Firm:

Seal of Firm:

Date:

(Signature, name and designation of the authorized signatory for the Auditor's Firm)

Note:

- *The Bidder shall attach copies of the balance sheets, financial statements and audited annual reports for each of the Financial Years mentioned above. The financial statements shall:*
 - a. *reflect the turnover of the Bidder;*
 - b. *be audited by a statutory auditor;*
 - c. *be complete, including all notes to the financial statements.*

- *In case the financial year in the Bidder's country is the calendar year, the Bidder shall submit above financial information for years 2016, 2017 and 2018.*

- *In case Bidder is claiming International Turnover, the amount shall be converted to USD and then to INR based on the RBI rates as per April 1, 2019*

9.5. Certificate for the Net Worth

Financial Year	Net Worth (Rs Crore)
2017-18	
<p>Certificate from the Statutory Auditor/Practicing Chartered Accountant</p> <p>This is to certify that..... [<i>Name of the Firm</i>] [<i>Registered Address</i>] has a net worth as shown above against the respective years. The net worth has been computed as (Subscribed and Paid up Equity + Reserves) less (Revaluation Reserves + miscellaneous expenditure not written off).</p> <p>Name of Authorized Signatory:</p> <p>Designation:</p> <p>Name of firm: (Signature of the Chartered Accountant)</p> <p>Seal of firm:</p>	

9.6. Personnel in IT projects

<<On the Letter Head of the Sole Bidder/ Each member in case of a Consortium>>

This is to certify that the total number of staff employed in ICT projects as on bid submission date is <<insert number>>.

In case of a consortium please provide the total no. of staff employed in ICT projects as on bid submission date in the following table:

SI. No.	Name of Firm	Lead Member/Consortium Partner	No. of Employees in ICT Projects

(Authorized Signatory)

Signature:

Name:

Designation:

Bidding entity's name

Address:

Seal:

Date:

9.7. Project Experience Summary

#	Category	Project Name	Client Name	Client Type	Project Value (in Indian Rupees)	Project Components	Documentary evidence provided (Yes/No)	Project Status (Completed or Ongoing or Withheld)
1.								
2.								
3.								
4.								
5.								
6.								
7.								

- *Client type – Indicate whether the Client is Government or PSU or Private*
- *Project Components – Indicate the major project components like application development for security surveillance, command and control center, Maintenance, Hardware procurement and deployment, DC setup and maintenance, Facility management services, provisioning manpower, IT support and maintenance*
- *Documentary evidence provided – Indicate the documentary evidence provided with the detailed project credential like work order or purchase order or completion certificate or letter of appointment*
- *Project Status – Completed (date of project completion) or Ongoing (project start date)*

9.8. 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 criteria. Credentials should be substantiated by relevant documentary proof.

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

Note: If the project is ongoing, bidder must clearly specify which of the stages/phases/milestones are completed and which are ongoing and at what stage of completion and produce a self-certificate as per the format provided in Section 9.9.

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

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

Name of the Project	
Client's Name, Contact No. and Complete Address	
Contract Value for the Bidder (in Indian Rupees)	
Current status of the project (Completed/Ongoing)	
Detailed description of the Project	
Activities completed by the 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	

We further confirm that we are aware our Proposal for the Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of selection and/or thereafter during the term of the Contract.

Dated thisDay of, 201....

(Authorized Signatory)

Signature:

Name:

Designation:

Bidding entity's name

Address:

Seal:

Date:

9.10. Project Plan

A Detailed Project Plan in line with the Project Implementation Schedule given in Volume 2 of the RFP 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							
#	Detailed Work Breakdown Structure	Month wise Program					
		1	2	3	4	5	...
	Project Plan						
1	Activity 1						
1.1	Sub-Activity 1						
1.2	Sub-Activity 2						
2							
2.1							
2.2							
3							
3.1							
4							

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

9.11. Details of Resources Proposed for Implementation Period

9.11.1. Till Go-Live (Implementation)

Manpower-wise Timelines									
#	Role	Month wise time to be spent by each personnel (in days)						Total	
		Month 1	Month 2	Month 3	Go-Live		
1.	Project Director								Onsite
									Offsite
2.	Project Manager								Onsite
3.	Solution Architect								Onsite
4.	Network Architect								Onsite
5.	Security Architect								Onsite
6.	Command & Communications/ Control Center Expert								Onsite
7.	ITMS Expert								Onsite
8.	IoT Expert								Onsite
9.	QA Manager								Onsite
10.	Master Trainer								Onsite
Total									

9.11.2. Summary of Resources Proposed

#	Name of the Resource	Proposed Role	Highest Degree	Basic Qualification (e.g., B.Sc. or BE or MCA or Post Graduation)	Certifications (e.g., PMP or ITIL or etc.)	Total Experience (In Years)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

9.12. Details of Resources Proposed for Operations and Maintenance Period

9.12.1. After Go-Live (Operation & Maintenance)

Manpower-wise Timelines							
#	Manpower Detailed Breakup	Years					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
1.	Project Director						Onsite/Offsite
2.	Project Manager						Onsite/Offsite
3.	Solution Architect						Onsite/Offsite
4.	Network Architect						Onsite/Offsite
5.	Security Architect						Onsite/Offsite
6.	Command & Communications/ Control Center Expert						Onsite/Offsite
7.	ITMS Expert						Onsite/Offsite
8.	IoT Expert						Onsite/Offsite
9.	QA Manager						Onsite/Offsite
10.	Master Trainer						Onsite/Offsite
11.	ITMS Support Engineer						Onsite
12.	Integration Support Engineer						Onsite
13.	Helpdesk Operations Support Engineer						Onsite
14.	Facility Management Supervisor						Onsite
15.	Project Associates						Onsite
16.	<Add more rows as required>						Onsite/Offsite
Total							

9.12.2. Summary of Resources Proposed

#	Name of the Resource	Proposed Role	Highest Degree	Basic Qualification (e.g., B.Sc. or BE or MCA or Post Graduation)	Certifications (e.g., PMP or ITIL or CISSP etc.)	Total Experience (In Years)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

9.13. Curriculum Vitae (CV) of Team Members

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.	Language Skills				
		Language	Speaking	Reading	Writing
		English			
		Odiya			
		Others (Please Specify)			
5.	Years of Experience				
6.	Areas of expertise and no. of years of experience in this area	<i>(as required for the Profile)</i>			
7.	Certifications and Trainings attended				
8.	Employment Record	Employer	Position	From	To
<i>[Starting with recent position and last 2 firms, list in reverse order, giving for each employment: dates of employment, name of employing organization, positions held.]</i>					
9.	Detailed Tasks Assigned	<i>(List all tasks to be performed under this project)</i>			
10.	Relevant Work Undertaken that Best Illustrates the experience as required for the Role				
Project #					
Name of assignment					

Year	
Location	
Employer	
Main project features	
Position held	
Activities performed	

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature	Signature
Date: [dd/mm/yyyy]	Date: [dd/mm/yyyy]
Name of Expert:	Name of Authorised Signatory:

Note:

- CVs must be signed in indelible ink by the expert and the authorized signatory of the Bidder. Unsigned CVs shall be rejected.
- CVs should not exceed more than 5 A4 sheets

9.14. Undertaking regarding availability of key expert

To,
Chief Executive Officer,
Rourkela Smart City Limited,

Dated:

Dear Sir,

Sub: Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela

We refer to the RFP dated [●] issued by you for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela.

We, M/s [**Insert name of the Bidder**] confirm that the Key Experts named below are the employees of the <<Insert name of the bidder>> on the proposal due date:

1.
2.
3.

Further we, M/s [**Insert name of the Bidder**] confirm that the Key Experts named below:

1.
2.
3.
4.

have authorized us to use their technical experience and submit their name as a Key Expert for this Proposal and Project.

If selected as the successful Bidder, we undertake that the Key Experts mentioned above would be available and will provide their best services for the duration of the Contract, in accordance with the terms of the RFP and the Contract.

We further confirm that we are aware our Proposal for the Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this undertaking at any stage of selection and/or thereafter during the term of the Contract.

Dated thisDay of, 201....

Name of the Bidder

.....

Signature of the Authorised Person

.....

Name of the Authorised Person

Date:

Place:

9.15. Proposed Bill of Material

The list of items mentioned hereunder is indicative. The Bidder shall consider the components and quantity to fulfil the RFP and project requirements in totality. The bidder should also indicate the make and model number for items/ components where the same is applicable and for which the Manufacturer's/ Producer's Authorization form has been provided.

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
Integrated Command and Control Center				
1	Video wall (70" in 5*3 configuration)	Unit	1	
2	Video Wall Controller	Nos.	2	
3	Video Wall Management Software	Nos.	2	
4	Interior, Cabling & Other Fixtures	Lot	1	
5	Keyboard Joystick to control PTZ Cameras	Nos.	As per requirement	
6	Access Switch	Nos.	4	
7	LED TV 55"	Nos.	5	
8	Public Address System	Set	2	
9	Audio Mixer and speaker system	Set	As per requirement	
10	Monitoring Workstation with three monitors	Nos.	12	
11	Online UPS (sizing as per proposed solution)	Nos.	As per requirement	
12	Multifunction Printer	Nos.	2	
13	IP Phones	Set	As per requirement	
14	Multiparty Video Conferencing system with licenses	Set	1	
15	Network Colour Laser printer	Nos.	4	
16	Network B/W Laser Printer (Heavy Duty)	Nos.	6	
17	Biometric access control system	Nos.	4	
18	Dome cameras for internal surveillance	Nos.	8	
19	Fire Alarm System	Set	1	
20	Rodent Repellent system	Set	2	
21	Split Air Conditioner (5 star energy efficiency rating)	Nos.	As per requirement	
22	Site Preparation as per the RFP	Lump sum	As per requirement	
23	Workstation Furniture, Fixtures and Ergonomic Chairs for ICC	Set	15	
24	Revolving Chairs for office staff	Nos.	35	
25	Office Desk Furniture and Fixtures	Nos.	35	
26	Meeting Room Table and Chairs Set (for 10 personnel)	Set	10	
27	Laptops	Nos.	10	
28	Desktops for Support Staff	Nos.	10	
Data Centre (DC)				
1	Core Router	Nos	2	
2	Core Switches	Nos	2	
3	Firewall (NGFW)	Nos	2	
4	Firewall (Intranet)	Nos	2	
5	WAF (Web Application Firewall)	Nos	2	
6	42 U Network Rack (Intelligent-Rack)	Nos	8	
7	KVM Switch with Monitor	Nos	2	
8	Server load balancer	Nos	2	
9	Blade Chassis	Nos	4	
10	Server	Nos	40	

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
11	Continuous Learning Server (including Software)	Nos	As per design requirement	
12	NAS/SAN/Scalable NAS Storage	Size	1 PB	
13	Tape Library	Nos	2	
14	IP EPABX with auto call distributor	Lot	1	
15	DDOS	Nos	2	
16	SAN Switch	Nos	2	
17	Access/Edge Switch	Nos	8	
18	IP: Network Video Recorder	Nos	2	
19	Access Control System	Lot	1	
20	Backup Software	Lot	1	
21	Enterprise Management System (including SLA Management, Help Desk Management, Network Management, BMS)	Lot	1	
22	DB License	Lot	1	
23	Server OS License	Nos	As per requirement	
24	OS CA License	Nos	As per requirement	
25	ATCS application	Lot	1	
26	ANPR Application	Lot	1	
27	TVDS Application	Lot	1	
28	E Challan Application	Lot	1	
29	VaMS Application	Lot	1	
30	Environment Management Application (EMS)	Lot	1	
31	Digital Voice Logger Application	Lot	1	
32	PAS Application	Lot	1	
33	GIS Application Server License	Lot	1	
34	GIS Application desktop License	Lot	1	
35	Video Management Application (VMS)	Lot	1	
36	Virtualization Software License	Nos	as per requirement	
37	Mail & Messaging application	Lot	1	
38	Wi-Fi Application	Lot	1	
39	ICCC core application	Lot	1	
40	IOT Platform License	Lot	1	
41	SOA Integration middleware	Lot	1	
42	SMS Gateway with annual 2,00,000 SMSs	Lot	1	
43	Web Server License	Lot	1	
44	DLP Server + 50 Cal license	Lot	1	
45	Application and Data Encryption	Lot	1	
46	Secure Email Gateway	Lot	1	
47	Anti-virus Software for Application (1-Server + 50-Cal)	Nos	50	
48	ADC (Application Delivery Controller)	Lot	1	
49	AI analytics software (Enterprise License)	Channel	4500	
50	SIEM (HA)	Lot	1	
51	AAA	Nos.	1	
52	Advanced Persistent Threat (APT)	Nos.	2	
53	Web and Content Filtering software	Nos.	1	
54	Fire Alarm & Suppression System	Nos	2	
55	Physical security information management (PSIM) Application (may use customized or cots application)	Nos	1	
56	Rodent Repellent System	Nos	2	
57	Indoor Fixed Dome Cameras set	Nos	4	
58	Fire Proof Enclosure for Media Storage	Nos	1	
59	Diesel Generator	Nos	as per requirement	

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
60	Building Management System	Nos	1	
61	Online UPS (sizing as per proposed solution)	Nos	as per requirement	
62	Precision Air Conditioning System for the Server Farm Area	Nos	4	
63	Split Air Conditioner for the Auxiliary Area	Nos	2	
64	Site Preparation Cost	Lot	1	
65	Networking Cost (Passive Components)	Lot	1	
66	Helpdesk			
A	IP Phone	Nos.	3	
B	Voice Logger	Nos.	1	
C	Soft telephone	Nos.	3	
D	Desktops	Nos.	3	
E	Officer Furniture and Revolving Chair	Nos.	3	
67	Identity Access Management System	Nos	1	
68	HSM	Lot	1	
69	HIPS	Lot	1	
70	Website/ Portal (With Portal Server, CMS and all required backend software)	Lot	1	
71	Mobile App (With all required backend software)	Lot	1	
72	ECB Application	Lot	1	
73	Web Security	Lot	1	
Disaster Recovery (DR) Center				
1	DR Cost at 20% active		As per requirement	
Safety and Surveillance				
1	Camera Fixed	Nos.	304	
2	Camera PTZ Cameras	Nos.	65	
3	IR Illuminator	Nos.	369	
4	Mounting Rack (Industrial type)	Nos.	as per requirement	
5	Gantry and Pole for Camera mounting with Fitting	Nos.	369	
6	Ruggedized/Industrial Network Switch	Nos.	as per requirement	
7	Network CAT6/6E cable	Nos.	as per requirement	
8	UPS	Nos.	as per requirement	
9	Power Cable	Nos.	as per requirement	
10	Junction Box	Nos.	as per requirement	
Adaptive Traffic Signal Control System (ATCS)				
1	ATCS System/Instrument/Solution	Nos.	29	
2	Blinker Units	Nos.	15	
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection	Nos.	10	
4	Camera Based Vehicle Detectors	Nos.	105	
5	300 mm RED LEDs	Nos.	210	
6	300 mm Amber LEDs	Nos.	210	
7	300 mm Green Arrow LEDs	Nos.	570	
8	300 mm Pedestrian Green & Red LEDs	Nos.	as per requirement	
9	Countdown Timers	Nos.	105	
10	Field, ruggedized, switch	Nos.	29	
11	Solar Power System including Solar module, Solar charger and battery	Nos.	29	
12	Solar Power System for Blinkers	Nos.	15	
13	300 mm LED Aspect RED/AMBER for Blinker Signals	Nos.	104	

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
14	Standard MS Pole with foundation	Nos.	82	
15	Cantilever Pole with foundation	Nos.	107	
16	Standard MS Pole for Blinker Signals with foundation	Nos.	104	
17	Adaptive LED Light Strips	Nos.	105	
Traffic Violation Detection System (TVDS)				
1	ANPR Camera with IR illuminator	Nos.	201	
2	Overview/RLVD Camera with IR illuminator	Nos.	105	
3	Field Device for e-Challan System	Nos.	15	
4	Mounting structure with fitting earthing and lightning arrestor	Nos.	133	
5	Junction Box	Nos.	191	
6	UPS	Nos.	29	
7	Speed Violation Detection Sensors/ Radars/ Instruments	Nos.	As per requirement	
8	Car Charger and Carry Case	Nos.	15	
Other Smart Elements				
Environmental System				
1	Environment Sensors	Nos.	5	
2	Pole and mounting	Nos.	As per requirement	
3	UPS	Nos.	5	
4	Ruggedized/Industrial Network Switch	Nos.	5	
Smart Wi-Fi				
1	Access Points	Nos.	As per requirement	
2	Ruggedized/Industrial Network Switch	Nos.	As per requirement	
Variable Message Signboard (VaMS)				
1	VaMS system (3m X1.5m)	Nos.	13	
2	UPS	Nos.	13	
3	Pole and mounting	Nos.	13	
4	Ruggedized/Industrial Network Switch	Nos.	13	
Emergency Call Box (ECB)				
1	ECB	Nos.	20	
2	Mounting and structure	Nos.	20	
3	Ruggedized/Industrial Network Switch	Nos.	120	
4	Power and other accessories	Nos.	20	
Public Address system (PAS)				
1	PAS system	Nos.	29	
2	UPS	Nos.	29	
3	Pole and mounting	Nos.	29	
4	Ruggedized/Industrial Network Switch	Nos.	29	
Smart Classroom				
1	Desktop Computer with OS	Nos.	15	
2	Interactive White Board	Nos.	15	
3	UPS	Nos.	15	
4	Audio System with Microphone	Nos.	15	
5	Ultra Short-Throw Projector	Nos.	15	
6	Fixed Camera	Nos.	15	
7	Antivirus	Nos.	15	
8	Metallic Cabinet/Podium	Nos.	15	
9	Wi-Fi Router	Nos.	15	
Network Connectivity on Lease				
1	Core Optical cable, Access Router and Switches for last mile connectivity	KM	As per network design/requirement	

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
2	Managed Aggregate bandwidth at DC	Gbps	As per requirement	
3	Managed Leased Circuit Bandwidth	Mbps	10 Mbps per location	
4	Cat 6 UTP/STP, 10G Cable	Nos.	As per requirement	
5	Copper/ Fiber optic Patch Cords/ Panel	Nos.	As per requirement	

For and on behalf of: _____ (Name of the OEM)

Authorised Signatory

Name:

Designation:

Place:

Date:

9.17. List of Proposed Sub-contractors (if applicable)

System/Sub-system/Item/Activity	Proposed Sub-contractor (Full Name & Address)	Place of Registration

9.18. Undertaking from sub-contractor

(On the letterhead of the subcontractor firm)

Letter No. _____ Date __/__/____

To,
Chief Executive Officer,
Rourkela Smart City Limited,

Ref: - Request For Proposal for Selection of Master System Integrator (MSI) for implementation of Smart Solutions in Rourkela

Sub: - Consent of association with _____ as sub-contractor for the referred RFP

Dear Sir,

1. I, the undersigned, confirm my agreement to associate with M/s (hereinafter referred to as “lead bidder”) as the “sub-contractor” to submit the proposal and work for the above-captioned project.

2. I authorize the lead bidder to include my company’s experience and expertise in the above referenced Project Proposal and / or forward my profile to the Client for the proposal and represent me on all contractual aspects of this proposal.

3. I confirm my interest and availability to work on the projects awarded, should the lead bidder be successful in the RFP.

4. I confirm that to the best of my belief and knowledge, I have not been blacklisted by any government / semi government body or donor agency.

Yours sincerely,
Authorised Signatory of the subcontractor

9.19. Anti-Collusion Certificate

[Certificate should be provided by Sole Bidder/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 Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela** against the RFP issued by Client. 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 Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

9.20. 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-2018>> “**Request for Proposal for Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**” (hereinafter called the said 'RFP') to the “Rourkela Smart City Limited”, hereinafter referred to as 'Client'

And,

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

NOW THEREFORE, in consideration of disclosure of confidential information, and in order to ensure the Client's grant to the Bidder of specific access to Client'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 Client 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 Client.
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 Client;
 - e. Is released from confidentiality with the written consent of the Client.

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 Client 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 Client 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 Client or may require the Bidder's personnel to have access to software, hardware, computer networks, databases, documents and storage media of the Client while on or off premises of the Client. It is understood that it would be impractical for the Client to monitor all information made available to the Bidder's personnel under such circumstances and to provide notice to the Bidder of the confidentiality of all such information.

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

5. The Bidder shall establish and maintain appropriate security measures to provide for the safe custody of the Confidential Information and to prevent unauthorized access to it.
6. The Bidder agrees that upon termination or expiry of this Agreement or at any time during its currency, at the request of the Client, the Bidder shall promptly deliver to the Client 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 Client. Upon completion of the Tendering process and or termination of the contract or at any time during its currency, at the request of the Client, the Bidder shall promptly deliver to the Client 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 Client. Without prejudice to the above the Bidder shall promptly certify to the Client, due and complete destruction and return. Nothing contained herein shall in any manner impair rights of the Client 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 Client to enable the Client 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 Client. 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:

10. Annexure 4 – Formats for Submission of the Commercial Bid

10.1. Commercial Bid Covering Letter

Date:

Dd/mm/yyyy

To,

[]

Subject: Request for Proposal for Selection of **Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**

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 Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela**” do hereby offer to provide our services. Our attached Commercial Bid is for the sum of [amount(s) in words and figures] which is exclusive of all taxes, levies and duties.

Our Commercial Bid shall be binding upon us subject to the modifications resulting from arithmetic correction, if any, up to expiration of the validity period of the Proposal, i.e. [date].

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely “Prevention of Corruption Act 1988”.

We understand you are not bound to accept any Proposal you receive.

Thanking you,

Yours sincerely,

(Signature of the Lead Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

10.2. Total Price Summary

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

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10.3. CAPEX Summary Table

#	Subsystems / Items	Description	Supply & Installation Prices (Excl. of all taxes)
1.	Integrated Command and Control Center	From Capex Component of Price Sheet (Sub-Total of A)	
2.	Data Center	From Capex Component of Price Sheet (Sub-Total of B)	
3.	Disaster Recovery Center	From Capex Component of Price Sheet (Sub-Total of C)	
4.	Safety and Surveillance	From Capex Component of Price Sheet (Sub-Total of D)	
5.	Adaptive Traffic Signal Control System	From Capex Component of Price Sheet (Sub-Total of E)	
6.	Traffic Violation Detection System	From Capex Component of Price Sheet (Sub-Total of F)	
7.	Environmental system	From Capex Component of Price Sheet (Sub-Total of G)	
8.	Smart Wi-Fi	From Capex Component of Price Sheet (Sub-Total of H)	
9.	Variable Message Signboard	From Capex Component of Price Sheet (Sub-Total of I)	
10.	Emergency Call Box	From Capex Component of Price Sheet (Sub-Total of J)	
11.	Public Address System	From Capex Component of Price Sheet (Sub-Total of K)	
12.	Smart Classroom	From Capex Component of Price Sheet (Sub-Total of L)	
13.	Network Connectivity on Lease	From Capex Component of Price Sheet (Sub-Total of M)	
14.	Software and service customization cost	From Capex Component of Price Sheet (Sub-Total of N)	
15.	Training and Overall Project Management	From Capex Component of Price Sheet (Sub-Total of O)	
Grand Total			

Total CAPEX Price in Indian Rupees (in words) -

Name of Bidder:	
Authorized Signature of Bidder:	

10.4. OPEX Summary Table

#	Components	Year 1 (in Indian Rupees)	Year 2 (in Indian Rupees)	Year 3 (in Indian Rupees)	Year 4 (in Indian Rupees)	Year 5 (in Indian Rupees)	Total (Excl. of all taxes)
1.	Integrated Command and Control Center						
2.	Data Center						
3.	Disaster Recovery Center						
4.	Safety and Surveillance						
5.	Adaptive Traffic Signal Control System						
6.	Traffic Violation Detection System						
7.	Environmental system						
8.	Smart Wi-Fi						
9.	Variable Message Signboard						
10.	Emergency Call Box						
11.	Public Address System						
12.	Smart Classroom						
13.	Network Connectivity on Lease						
14.	Software and service customization cost						
15.	Training and Overall Project Management						
	Total OPEX Price						

Name of Bidder:	
Authorized Signature of Bidder:	

Total OPEX Price in Indian Rupees (in words) -

Notes:

- The Commercial evaluation would however be done basing on the Net Present Value (NPV) concept for the entire contract period at a discount rate mentioned in bid data sheet.

Only as an Example,

Bidders	CAPEX	OPEX Cost					Total Bid Price
		Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr. 5	
Bidder 'X'	343	30	31	32	32	32	500
Bidder 'Y'	325	30	34	35	37	39	500

Bid Evaluation (NPV Method): - (Discounting Rate = 10%)

$$\text{Bidder 'X'} = 343 + \frac{30}{(1+0.1)^1} + \frac{31}{(1+0.1)^2} + \frac{32}{(1+0.1)^3} + \frac{32}{(1+0.1)^4} + \frac{32}{(1+0.1)^5}$$

$$= \text{Rs. 461.7 Cr}$$

$$\text{Bidder 'Y'} = 325 + \frac{30}{(1+0.1)^1} + \frac{34}{(1+0.1)^2} + \frac{35}{(1+0.1)^3} + \frac{37}{(1+0.1)^4} + \frac{39}{(1+0.1)^5}$$

$$= \text{Rs. 456.16 Cr}$$

Name of Bidder:	
Authorized Signature of Bidder:	

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10.5. Price Sheet

The Bidder shall consider the components and quantity to fulfil the RFP and project requirements in totality.

10.5 (a) CAPEX

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
A. Integrated Command and Control Centre								
1	Video wall (70" in 5*3 configuration)	Unit	1					
2	Video Wall Controller	Nos.	2					
3	Video Wall Management Software	Nos.	2					
4	Interior, Cabling & Other Fixtures	Lot	1					
5	Keyboard Joystick to control PTZ Cameras	Nos.	As per requirement					
6	Access Switch	Nos.	1					
7	LED TV 55"	Nos.	5					
8	Public Address System	Set	2					
9	Audio Mixer and speaker system	Set	As per requirement					
10	Monitoring Workstation with three monitors	Nos.	12					
11	Online UPS (sizing as per proposed solution)	Nos.	As per requirement					
12	Multifunction Device printing	Nos.	2					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
13	IP Phones	Set	As per requirement					
14	Multiparty Video Conferencing system with licenses	Set	1					
15	Network Colour Laser printer	Nos.	4					
16	Network B/W Laser Printer (Heavy Duty)	Nos.	6					
17	Biometric access control system	Nos.	4					
18	Dome cameras for internal surveillance	Nos.	8					
19	Fire Alarm System	Set	1					
20	Rodent Repellent system	Set	2					
21	Split Air Conditioner (5 star energy efficiency rating)	Nos.	As per requirement					
22	Site Preparation as per the RFP	Lump sum	As per requirement					
23	Workstation Furniture, Fixtures and Ergonomic Chairs for ICCC	Nos.	15					
24	Revolving Chairs for office staff	Nos.	35					
25	Office Desk Furniture and Fixtures	Nos.	35					
26	Meeting Room Table and Chairs Set (for 10 personnel)	Set	10					
27	Laptops	Nos.	10					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
				5	6=4x5	%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
28	Desktops for Support Staff	Nos.	10					
29	Setting up and dismantling of Temporary Command and Control Centre	Lot	1					
30	Any other item required as per bidder design	Lot						
Sub Total of A								
B. Data Center (DC)								
1	Core Router	Nos	2					
2	Core Switches	Nos	2					
3	Firewall (NGFW)	Nos	2					
4	Firewall (Intranet)	Nos	2					
5	WAF (Web Application Firewall)	Nos	2					
6	42 U Network Rack (Intelligent-Rack)	Nos	8					
7	KVM Switch with Monitor	Nos	2					
8	Server load balancer	Nos	2					
9	Blade Chassis	Nos	4					
10	Server	Nos	40					
11	Continuous Learning Server (including Software)	Nos	As per design requirement					
12	NAS/SAN/Scalable NAS Storage	Size	1 PB					
13	Tape Library	Nos	2					
14	IP EPABX with auto call distributor	Lot	1					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
15	DDOS	Nos	2					
16	SAN Switch	Nos	2					
17	Access/Edge Switch	Nos	8					
18	IP: Network Video Recorder	Nos	2					
19	Access Control System	Lot	1					
20	Backup Software	Lot	1					
21	Enterprise Management System (including SLA Mngt, Help Desk Mngt, Network Mngt, BMS)	Lot	1					
22	DB License	Lot	1					
23	Server OS License	Nos	As per requirement					
24	OS CA License	Nos	As per requirement					
25	ATCS application	Lot	1					
26	ANPR Application	Lot	1					
27	TVDS Application	Lot	1					
28	E Challan Application	Lot	1					
29	VaMS Application	Lot	1					
30	Environment Management Application (EMS)	Lot	1					
31	Digital Voice Logger Application	Lot	1					
32	PAS Application	Lot	1					
33	GIS Application Server License	Lot	1					
34	GIS Application desktop License	Lot	1					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
				5	6=4x5	%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
35	Video Management Application (VMS)	Lot	1					
36	Virtualization Software License	Nos	as per requirement					
37	Wi-Fi Application	Lot	1					
38	Mail & Messaging application	Lot	1					
39	ICCC core application	Lot	1					
40	IOT Platform License	Lot	1					
41	SOA Integration middleware	Lot	1					
42	SMS Gateway with annual 2,00,000 SMSs	Lot	1					
43	Web Server License	Lot	1					
44	DLP Server + 50 Cal license	Lot	1					
45	Application and Data Encryption	Lot	1					
46	Secure Email Gateway	Lot	1					
47	Anti-virus Software for Application (1-Server + 50-Cal)	Nos	50					
48	ADC (Application Delivery Controller)	Lot	1					
49	Edge AI analytics software (Enterprise License)	Channel	4500					
50	SIEM (HA)	Lot	1					
51	AAA	Nos.	1					
52	Advanced Persistent Threat (APT)	Nos.	2					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
53	Web and Content Filtering software	Nos.	1					
54	Fire Alarm & Suppression System	Nos	2					
55	Physical security information management (PSIM) Application (may use customized or cots application)	Nos	1					
56	Rodent Repellent System	Nos	2					
57	Indoor Fixed Dome Cameras set	Nos	4					
58	Fire Proof Enclosure for Media Storage	Nos	1					
59	Diesel Generator	Nos	as per requirement					
60	Building Management System	Nos	1					
61	Online UPS (sizing as per proposed solution)	Nos	as per requirement					
62	Precision Air Conditioning System for the Server Farm Area	Nos	4					
63	Split Air Conditioner for the Auxiliary Area	Nos	2					
64	Site Preparation Cost	Lot	1					
65	Networking Cost (Passive Components)	Lot	1					
66	Helpdesk							
A	IP Phone	Nos.	3					

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#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
B	Voice Logger	Nos.	1					
C	Soft telephone	Nos.	3					
D	Desktops	Nos.	3					
E	Officer Furniture and Revolving Chair	Nos.	3					
67	Identity Access Management System	Nos	1					
68	HSM	Lot	1					
69	HIPS	Lot	1					
70	Website/ Portal (With Portal Server, CMS and all required backend software)	Lot	1					
71	Mobile App (With all required backend software)	Lot	1					
72	ECB Application	Lot	1					
73	Web Security	Lot	1					
74	Any other item required as per bidder design	Lot						
Sub Total of B								
C. Disaster Recovery (DR) Center								
1	DR Cost at 20% active		As per requirement					
Sub Total of C								
D. Safety and Surveillance								
1	Camera Fixed	Nos.	304					
2	Camera PTZ Cameras	Nos.	65					
3	IR Illuminator	Nos.	369					
4	Mounting Rack (Industrial type)	Nos.	as per requirement					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
5	Gantry and Pole for Camera mounting with Fitting	Nos.	369					
6	Ruggedized/Industrial Network Switch	Nos.	as per requirement					
7	Network CAT6/6E cable	Nos.	as per requirement					
8	UPS	Nos.	as per requirement					
9	Power Cable	Nos.	as per requirement					
10	Junction Box	Nos.	as per requirement					
11	Any other item required as per bidder design	Lot						
Sub Total of D								
E. Adaptive Traffic Signal Control System								
1	ATCS System/Instrument/Solution	Nos.	29					
2	Blinker Units	Nos.	15					
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection	Nos.	10					
4	Camera Based Vehicle Detectors	Nos.	105					
5	300 mm RED LEDs	Nos.	210					

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#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
				5	6=4x5	%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
6	300 mm Amber LEDs	Nos.	210					
7	300 mm Green Arrow LEDs	Nos.	570					
8	300 mm Pedestrian Green & Red LEDs	Nos.	as per requirement					
9	Countdown Timers	Nos.	105					
10	Field, ruggedized, switch	Nos.	29					
11	Solar Power System including Solar module, Solar charger and battery	Nos.	29					
12	Solar Power System for Blinkers	Nos.	15					
13	300 mm LED Aspect RED/AMBER for Blinker Signals	Nos.	104					
14	Standard MS Pole with foundation	Nos.	82					
15	Cantilever Pole with foundation	Nos.	107					
16	Standard MS Pole for Blinker Signals with foundation	Nos.	104					
17	Adaptive LED Light Strips	Nos.	105					
18	Any other item required as per bidder design	Lot						
Sub Total of E								
F. Traffic Violation Detection System								

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
1	ANPR Camera with IR illuminator	Nos.	201					
2	Overview/RLVD Camera with IR illuminator	Nos.	105					
3	Field Device for e-Challan System	Nos.	15					
4	Mounting structure with fitting earthing and lightning arrestor	Nos.	133					
5	Junction Box	Nos.	191					
6	UPS	Nos.	29					
7	Speed Violation Detection Sensors/ Radars/ Instruments	Nos.	As per requirement					
8	Car Charger and Carry Case	Nos.	15					
9	Any other item required as per bidder design	Lot						
Sub Total of F								
Other Smart Elements								
G. Environmental system								
1	Environment Sensors	Nos.	5					
2	Pole and mounting	Nos.	As per requirement					
3	UPS	Nos.	5					
4	Ruggedized/Industrial Network Switch	Nos.	5					
5	Any other item required as per bidder design	Lot						
Sub Total of G								

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Other Smart Elements

G. Environmental system

Online at

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#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
H. Smart Wi-Fi								
1	Access Points	Nos.	As per requirement					
2	Ruggedized/Industrial Network Switch	Nos.	As per requirement					
3	Any other item required as per bidder design	Lot						
Sub Total of H								
I. Variable Message Signboard (VaMS)								
1	VaMS system (3m X1.5m)	Nos.	13					
2	UPS	Nos.	13					
3	Pole and mounting	Nos.	13					
4	Ruggedized/Industrial Network Switch	Nos.	13					
5	Any other item required as per bidder design	Lot						
Sub Total of I								
J. Emergency Call Box (ECB)								
1	ECB	Nos.	20					
2	Mounting and structure	Nos.	20					
3	Ruggedized/Industrial Network Switch	Nos.	120					
4	Power and other accessories	Nos.	20					
5	Any other item required as per bidder design	Lot						
Sub Total of J								
K. Public Address system (PAS)								
1	PAS system	Nos.	29					
2	UPS	Nos.	29					

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
				5	6=4x5	%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
3	Pole and mounting	Nos.	29					
4	Ruggedized/Industrial Network Switch	Nos.	29					
5	Any other item required as per bidder design	Lot						
Sub Total of K								
L. Smart Classroom								
1	Desktop Computer with OS	Nos.	15					
2	Interactive White Board	Nos.	15					
3	UPS	Nos.	15					
4	Audio System with Microphone	Nos.	15					
5	Ultra Short-Throw Projector	Nos.	15					
6	Fixed Camera	Nos.	15					
7	Antivirus	Nos.	15					
8	Metallic Cabinet/Podium	Nos.	15					
9	Wi-Fi Router	Nos.	15					
10	Any other item required as per bidder design	Lot						
Sub Total of L								
M. Network Connectivity on Lease								
1	Core Optical cable, Access Router and Switches for last mile connectivity	KM						
2	Managed Aggregate bandwidth at DC	Gbps						
3	Managed Leased Circuit Bandwidth	Mbps						
4	Cat 6 UTP/STP, 10G Cable	Nos.						

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#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price (including Supply, Installation and Commissioning) without GST	Total Price (including Supply, Installation and Commissioning) without GST	GST		Total CAPEX with GST
				INR	INR	GST	GST Amount	
						%	INR	
1	2	3	4	5	6=4x5	7	8	9=6+8
5	Copper/ Fiber optic Patch Cords/ Panel	Nos.						
	Sub-Total of M							
N. Software and service customization cost								
1	Manpower cost							
2	Customization cost							
3	Integration cost							
	Sub-Total of N							
	Total Project Value							

10.5 (b) OPEX

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
A. Integrated Command and Control Center										
1	Video wall (70" in 5*3 configuration)									
2	Video Wall Controller									
3	Video Wall Management Software									
4	Interior, Cabling & Other Fixtures									
5	Keyboard Joystick to control PTZ Cameras									
6	Access Switch									
7	LED TV 55"									
8	Public Address System									
9	Audio Mixer and speaker system									
10	Monitoring Workstation with three monitors									
11	Online UPS (sizing as per proposed solution)									
12	Multifunction Device printing									
13	IP Phones									
14	Multiparty Video Conferencing system with licenses									
15	Network Colour Laser printer									
16	Network B/W Laser Printer (Heavy Duty)									
17	Biometric access control system									
18	Dome cameras for internal surveillance									
19	Fire Alarm System									
20	Rodent Repellent system									
21	Split Air Conditioner (5 star energy efficiency rating)									
22	Site Preparation as per the RFP									

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
23	Workstation Furniture, Fixtures and Ergonomic Chairs for ICCC									
24	Revolving Chairs for office staff									
25	Office Desk Furniture and Fixtures									
26	Meeting Room Table and Chairs Set (for 10 personnel)									
27	Laptops									
28	Desktops for Support Staff									
29	Setting up and dismantling of Temporary Command and Control Centre									
30	Any other item required as per bidder design									
Sub Total of A										
B. Data Center (DC)										
1	Core Router									
2	Core Switches									
3	Firewall (NGFW)									
4	Firewall (Intranet)									
5	WAF (Web Application Firewall)									
6	42 U Network Rack (Intelligent-Rack)									
7	KVM Switch with Monitor									
8	Server load balancer									
9	Blade Chassis									
10	Server									
11	Continuous Learning Server (including Software)									
12	NAS/SAN/Scalable NAS Storage									
13	Tape Library									
14	IP EPABX with auto call distributor									
15	DDOS									
16	SAN Switch									

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
17	Access/Edge Switch									
18	IP: Network Video Recorder									
19	Access Control System									
20	Backup Software									
21	Enterprise Management System (including SLA Mngt, Help Desk Mngt, Network Mngt, BMS)									
22	DB License									
23	Server OS License									
24	OS CA License									
25	ATCS application									
26	ANPR Application									
27	TVDS Application									
28	E Challan Application									
29	VaMS Application									
30	Environment Management Application (EMS)									
31	Digital Voice Logger Application									
32	PAS Application									
33	GIS Application Server License									
34	GIS Application desktop License									
35	Video Management Application (VMS)									
36	Virtualization Software License									
37	Wi-Fi Application									
38	Mail & Messaging application									
39	ICCC core application									
40	IOT Platform License									
41	SOA Integration middleware									
42	SMS Gateway with annual 2,00,000 SMSs									
43	Web Server License									

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#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
44	DLP Server + 50 Cal license									
45	Application and Data Encryption									
46	Secure Email Gateway									
47	Anti-virus Software for Application (1-Server + 50-Cal)									
48	ADC (Application Delivery Controller)									
49	AI analytics software (Enterprise License)									
50	SIEM (HA)									
51	AAA									
52	Advanced Persistent Threat (APT)									
53	Web and Content Filtering software									
54	Fire Alarm & Suppression System									
55	Physical security information management (PSIM) Application (may use customized or cots application)									
56	Rodent Repellent System									
57	Indoor Fixed Dome Cameras set									
58	Fire Proof Enclosure for Media Storage									
59	Diesel Generator									
60	Building Management System									
61	Online UPS (sizing as per proposed solution)									
62	Precision Air Conditioning System for the Server Farm Area									

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
63	Split Air Conditioner for the Auxiliary Area									
64	Site Preparation Cost									
65	Networking Cost (Passive Components)									
66	Helpdesk									
A	IP Phone									
B	Voice Logger									
C	Soft telephone									
D	Desktops									
E	Officer Furniture and Revolving Chair									
67	Identity Access Management System									
68	HSM									
69	HIPS									
70	Website/ Portal (With Portal Server, CMS and all required backend software)									
71	Mobile App (With all required backend software)									
72	ECB Application									
73	Web Security									
74	Any other item required as per bidder design									
Sub Total of B										
C. Disaster Recovery (DR) Center										
1	DR Cost at 20% active									
Sub Total of C										
D. Safety and Surveillance										
1	Camera Fixed									
2	Camera PTZ Cameras									
3	IR Illuminator									
4	Mounting Rack (Industrial type)									
5	Gantry and Pole for Camera mounting with Fitting									
6	Ruggedized/Industrial Network Switch									

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
7	Network CAT6/6E cable									
8	UPS									
9	Power Cable									
10	Junction Box									
11	Any other item required as per bidder design									
Sub Total of D										
E. Adaptive Traffic Signal Control System										
1	ATCS System/Instrument/ Solution									
2	Blinker Units									
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection									
4	Camera Based Vehicle Detectors									
5	300 mm RED LEDs									
6	300 mm Amber LEDs									
7	300 mm Green Arrow LEDs									
8	300 mm Pedestrian Green & Red LEDs									
9	Countdown Timers									
10	Field, ruggedized, switch									
11	Solar Power System including Solar module, Solar charger and battery									
12	Solar Power System for Blinkers									
13	300 mm LED Aspect RED/AMBER for Blinker Signals									
14	Standard MS Pole with foundation									
15	Cantilever Pole with foundation									
16	Standard MS Pole for Blinker Signals with foundation									

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
17	Adaptive LED Light Strips									
18	Any other item required as per bidder design									
Sub Total of E										
F. Traffic Violation Detection System										
1	ANPR Camera with IR illuminator									
2	Overview/RLVD Camera with IR illuminator									
3	Field Device for e-Challan System									
4	Mounting structure with fitting earthing and lightning arrestor									
5	Junction Box									
6	UPS									
7	Speed Violation Detection Sensors/ Radars/ Instruments									
8	Car Charger and Carry Case									
9	Any other item required as per bidder design									
Sub Total of F										
Other Smart Elements										
G. Environmental system										
1	Environment Sensors									
2	Pole and mounting									
3	UPS									
4	Ruggedized/Industrial Network Switch									
5	Any other item required as per bidder design									
Sub Total of G										
H. Smart Wi-Fi										
1	Access Points									
2	Ruggedized/Industrial Network Switch									
3	Any other item required as per bidder design									
Sub Total of H										
I. Variable Message Signboard (VMS)										

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
1	VaMS system (3m X1.5m)									
2	UPS									
3	Pole and mounting									
4	Ruggedized/Industrial Network Switch									
5	Any other item required as per bidder design									
Sub Total of I										
J. Emergency Call Box (ECB)										
1	ECB									
2	Mounting and structure									
3	Ruggedized/Industrial Network Switch									
4	Power and other accessories									
5	Any other item required as per bidder design									
Sub Total of J										
K. Public Address system (PAS)										
1	PAS system									
2	UPS									
3	Pole and mounting									
4	Ruggedized/Industrial Network Switch									
5	Any other item required as per bidder design									
Sub Total of K										
L. Smart Classroom										
1	Desktop Computer with OS									
2	Interactive White Board									
3	UPS									
4	Audio System with Microphone									
5	Ultra Short-Throw Projector									
6	Fixed Camera									
7	Antivirus									
8	Metallic Cabinet/Podium									
9	Wi-Fi Router									
10	Any other item required as per bidder design									
Sub Total of L										
M. Network Connectivity on Lease										

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Price without GST	GST		Total OPEX with GST (INR)
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)		GST %	GST Amount (INR)	
1	Core Optical cable, Access Router and Switches for last mile connectivity									
2	Managed Aggregate bandwidth at DC									
3	Managed Leased Circuit Bandwidth									
4	Cat 6 UTP/STP, 10G Cable									
5	Copper/ Fiber optic Patch Cords/ Panel									
6	Any other item required as per bidder design									
	Sub-Total of M									
N. Software and service customizations										
1	Manpower cost									
2	Customization cost									
3	Integration cost									
	Sub-Total of N									
	Grand Total									

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10.5 (c) Project Resources

#	Items	Unit of Measurement	CAPEX		OPEX - Year 1		OPEX - Year 2		OPEX - Year 3		OPEX - Year 4		OPEX - Year 5		Total OPEX	Total (CAPEX+OPEX)	
			Quantity Proposed	Total Price (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)			
O. Training and Overall Project Management																	
Project Resources																	
1	Project Director	Man year cost (man month rate *12)	0.5														
2	Project Manager	Man year cost (man month rate *12)	1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
3	Solution Architect	Man year cost (man month rate *12)	1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
4	Network Architect	Man year cost (man month rate *12)	1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
5	Security Architect	Man year cost (man month rate *12)	1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
6	Command & Communications/ Control Center .	Man year cost (man month rate *12)	1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			

#	Items	Unit of Measurement	CAPEX		OPEX - Year 1		OPEX - Year 2		OPEX - Year 3		OPEX - Year 4		OPEX - Year 5		Total OPEX	Total (CAPEX+OPEX)
			Quantity Proposed	Total Price (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)		
7	ITMS Expert	Man year cost (man month rate *12)	1		0.5		0.5		0.5		0.5		0.5			
8	IoT Expert	Man year cost (man month rate *12)	1		0.5		0.5		0.5		0.5		0.5			
9	QA Manager	Man year cost (man month rate *12)	1		0.5		0.5		0.5		0.5		0.5			
10	Master Trainer	Man year cost (man month rate *12)	1		0.5		0.5		0.5		0.5		0.5			
11	ITMS Support Engineer	Man year cost (man month rate *12)			1		1		1		1		1			
12	Integration Support Engineer	Man year cost (man month rate *12)			1		1		1		1		1			
13	Helpdesk Operations Support Engineer	Man year cost (man month rate *12)			1		1		1		1		1			

#	Items	Unit of Measurement	CAPEX		OPEX - Year 1		OPEX - Year 2		OPEX - Year 3		OPEX - Year 4		OPEX - Year 5		Total OPEX	Total (CAPEX+OPEX)
			Quantity Proposed	Total Price (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)		
14	Facility Management Supervisor	Man year cost (man month rate *12)			1		1		1		1		1			
15	Project Associates	Man year cost (man month rate *12)			1		1		1		1		1			
16	Others (Helpdesk Operator for Technical as well as Call Center)	Man year cost (man month rate *12)			1		1		1		1		1			
Training Cost www.tendersodisha.gov.in (Not to be submitted in Physical form)																
17	Functionl Training															
18	Administrative Training															
19	Sr. Management Training															

#	Items	Unit of Measurement	CAPEX		OPEX - Year 1		OPEX - Year 2		OPEX - Year 3		OPEX - Year 4		OPEX - Year 5		Total OPEX	Total (CAPEX+OPEX)
			Quantity Proposed	Total Price (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)	Unit	Cost (INR)		
20	Project Management/ Coordination during implementation															
21	Security and BoQ Audit Charges															
22	Operational Expenses during implementation															
	Year Wise Total (A)															
	GST (%)															
	GST (B)															
	Grand Total (A+B)															

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

Name of Bidder:	
Authorized Signature of Bidder:	

N.B –

- *The indicative/estimated quantity provided in the RFP would be used for evaluation purposes; however, payment would be done on actual usage basis.*
- *The price quoted in the format given above will be used for evaluation purposes and will be treated as total envisaged value of the project.*
- *Bidder must ensure that all amounts to be quoted in INR.*
- *Manpower cost is per annum, and at the time of monthly payment – payment will be done as per man month rate which is equal to Manpower rate per annum divided by 12.*
- *Value coated as total price must contain all the components required for the successful implementation of the project. Nothing extra will be paid by the client beyond the value coated in the above form, until there is change request is approved by Authority.*
- *For the bandwidth charges (including aggregate bandwidth at DC and Lease Circuit Bandwidth), Lower of the Quoted prices as above or prices as applicable at the time of invoicing shall be considered. Client is entitled to ask for the adequate documentary evidence from the Bidder to support the applicable prices.*
- *Taxes as applicable at the time of invoicing shall be considered. Any changes (upward or downward) in the taxes/duties shall be accordingly revised at the time of actual payments and paid.*

11. 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 Rourkela Smart City Limited (hereinafter called “the Client”)

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

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

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

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

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

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

Notwithstanding anything contained herein:

- I. Our liability under this bank guarantee shall not exceed Indian Rupees<Insert Value> (Rupees <Insert Value in Words> only).
- II. This bank guarantee shall be valid up to <Insert Expiry Date>

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

Date _____

Place _____

Signature _____

Witness _____

Printed name _____

(Bank's common seal)

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

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

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

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- I. Our liability under this Bank Guarantee shall not exceed Indian Rupees<<Amount in figures>> (Rupees <<Amount in words>> only)
- II. This Bank Guarantee shall be valid up to <<insert date>>)

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

(Authorized Signatory of the Bank)

Seal:

Date: