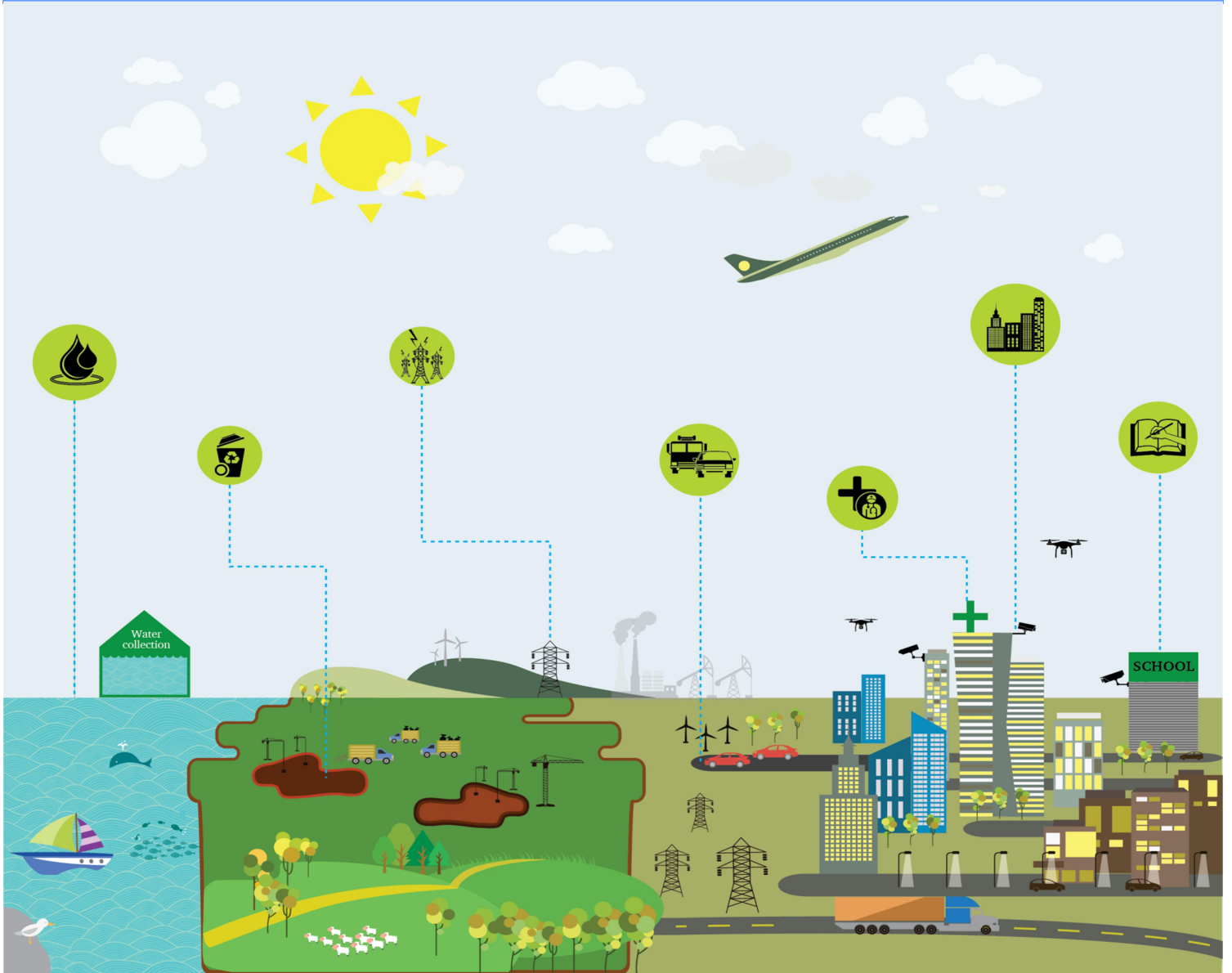


Request for Proposal *for* Selection of Master System Integrator for Naya Raipur Smart City System



Modified RFP

Volume I – Instructions to Bidders

RFP No-112/SMARTCITY/CE(E)/NRDA/2016-17, Naya Raipur

Dated: 06-10-2016



nayaraipur
नया रायपुर

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Disclaimer

1. This Request for Proposal ("RFP") is issued by Naya Raipur Development Authority (NRDA).
2. Only modified RFP shall be filled in and submitted by the prospective bidder. Anyone submitting the previous/initial version of RFP shall not be considered for evaluation and their bid shall stand disqualified.
3. The information contained in this RFP or subsequently provided to Bidders, whether verbally or in documentary or any other form by or on behalf of NRDA or any of its employees or advisers, is provided to Bidders on the terms and conditions set out in this RFP and all other terms and conditions subject to which such information is provided.
4. This RFP is not a contract and is neither an offer nor invitation by NRDA to the prospective Bidders or any other person. The information contained in this RFP has been provided to the best of knowledge of NRDA and in good faith. However, the information may not be complete and accurate in all respects and may not be exhaustive.
5. While reasonable care has been taken in providing information in this RFP, bidders are advised to not rely only on this information but also carry out their independent due diligence and risk assessments before submitting their response to this RFP. Further, the Bidders are advised to conduct their own analysis of the information contained in this RFP, carry out their own investigations about the project, the regulatory regime which applies thereto and all matters pertaining to project and to seek their own professional advice on the legal, financial and regulatory consequences of entering into an agreement or arrangement relating to the project.
6. The information contained in this RFP is subject to update, expansion, revision and amendment prior to the last day of submission of bids at the sole discretion of NRDA.

Glossary of Terms

- **‘Smart City System’**- Comprehensive Naya Raipur Smart City system comprising of Smart Governance, City Surveillance, Intelligent Transport Management System, Utility Management System for Electricity and Water, Command and Control Centre, Smart Network, Building Management System and Data Centre.
- **‘Master System Integrator (MSI)’**- Organization (Lead bidder in case of consortium) to be appointed by NRDA for implementation and maintenance of Smart City System.
- **‘Consortium Partner’**- Organization that will work with MSI in consortium for implementation and maintenance of Smart City System.
- **‘Bidder’**- The MSI and consortium partner (if any).

Abbreviations

Sr. #	Abbreviation	Description
1.	AHU Filter	Air Handling Unit Filter
2.	AMR	Automatic Meter reading
3.	ANPR	Automatic Number Plate Recognition
4.	BoQ	Bills of Quantity
5.	BRTS	Bus Rapid Transit System
6.	CBR	Circuit Breaker
7.	CCC	Command and Control Centre
8.	CCTV	Close Circuit Television
9.	CV	Curriculum Vitae
10.	DDC	Direct Digital Control
11.	DFMD	Door Frame Metal Detectors
12.	DMS	Distribution Management System
13.	EMD	Earnest Money Deposit
14.	EMS	Enterprise Monitoring System
15.	FO Port	Fiber Optical Port
16.	FRTU	Feeder Remote Terminal Unit
17.	G2B	Government to Business
18.	G2C	Government to Citizen
19.	G2G	Government to Government
20.	GPRS	General Packet Radio Service
21.	HHMD	Hand Held Metal Detector
22.	IBMS	Integrated Building Management System
23.	ICT	Information and Communication Technology
24.	ICT	Information and Communication Technology
25.	IR Illuminators	Infrared Illuminators
26.	IT	Information Technology
27.	ITMS	Intelligent Transport Management System
28.	KV	Kilovolt
29.	KVM	Keyboard, Video & Mouse
30.	LBS	Load Break Switch
31.	LoI	Letter of Intent
32.	MCA	Master in Computer Application
33.	MIS	Management Information System
34.	MLD	Millions of liters per day
35.	MSA	Master Service Agreement
36.	MSI	Master Service Integrator
37.	MW	Mega Watt
38.	NoC	Network Operation Center
39.	OEM	Original Equipment Manufacturer
40.	OMS	Outage Management System
41.	OS	Operating System
42.	PBG	Performance Bank Guarantee
43.	PTZ Camera	Pan-Till-Zoom Camera

Sr. #	Abbreviation	Description
44.	QCBS	Quality cum Cost Based Selection
45.	RAM	Random Access Memory
46.	RMU	Ring Main Unit
47.	RTU	Remote Terminal Unit
48.	SAN	Storage Area Network
49.	SCADA	Supervisory Control and Data Acquisition
50.	SLA	Service Level Agreement
51.	TCB	Total Cost of Bid
52.	TCP/IP	Transmission Control Protocol/Internet Protocol
53.	TDS Meter	Total Dissolved Solids Meter
54.	TFT Monitor	Thin Film Transistor Monitor
55.	UGR	Underground reservoir
56.	UPS	Uninterruptible Power Supply
57.	WTP	Water Treatment Plant

1. Bidding Data Sheet

Particulars	Details
Name of Purchaser	Naya Raipur Development Authority (NRDA)
Name of the Engagement	Selection of Master System Integrator for Naya Raipur Smart City System
Release Date of RFP by NRDA	07-Oct-2016 (D)
Last date & time for purchase of RFP Documents	D+44 days by 05:00 pm
Last date & time for submission of Pre-Bid Queries	D+20 days
Pre-Bid Meeting	D+25 days at 12 Noon at office of NRDA North Block, Paryavaas Bhawan Sector 19, Naya Raipur (C.G.) PIN-492002
Publish response to pre-bid queries	D+30 days
Last date (deadline) for submission of the bid	15/12/ 2016: 03:00 pm
Opening of the Bid responses (Cover 5)	15/12/ 2016: 04:00 pm
Opening of Technical Bids (Covers 1, 2 and 3)	15/12/ 2016: 04:00 pm
Presentation by Bidders	To Be Declared Later
Opening of Commercial Bids (Cover 4)	To Be Declared Later
Validity of Proposal	Proposals must remain valid 180 days after the Submission date.
Method of Selection	Quality cum Cost Based Selection (QCBS). The ratio of Technical and Commercial score is 80:20 respectively.
Address of Communication	To, Chief Executive Officer Naya Raipur Development Authority, 4th Floor, Paryavaas Bhawan, North Block, Sector 19, Naya Raipur PIN-492002 Phone-0771-2412500
Bidding in Consortium	Consortium of upto 3 members including Lead Bidder is allowed (Lead Bidder and 2 Consortium Partner)

Particulars	Details
	<p>The lead bidder shall be jointly & severally responsible for complete scope, whereas partner shall be severally responsible only for its respective scope.</p> <p>The bid should contain details of all the members of the consortium including their legal status and specify their roles and responsibilities in the project. The members of the consortium shall enter into an Agreement for the purpose of submitting the proposal and the same shall be submitted with the proposal, failing which bid will be summarily rejected.</p> <p>The MSI or Consortium shall not participate in more than one bid. Otherwise, such bids shall stand cancelled.</p>
Sub-Contracting	<ul style="list-style-type: none"> • Limited sub-contracting is allowed for outdoor activities such as fibre laying, camera installation, network provisioning, digitisation, mechanical and civil work as required in the project. • Subcontractor should have past experience of successfully implementing the work of value =80% of the proposed work. • NRDA will approve the Subcontractor.
Tender Fees	INR 25000/- (Refer Section 3.2)
Earnest Money Deposit / Bid Security	INR 50,00,000/- (Refer Section 3.4)

Note

1. The date of opening of the commercial bids will be intimated to the qualified Bidders through Email or Telephone.
2. NRDA reserves the right to change any schedule of bidding process. Please visit www.nayaraipur.gov.in regularly for the same.

2. Introduction

2.1. About Naya Raipur

The State of Chhattisgarh (CG) was created in the year 2000 while the city of Raipur was declared its capital. Raipur with its growing importance as the major node in trade network and a host of industries, has immense potential, however, the present city is constrained by availability of land, space and basic infrastructure. Considering the growth potential of the city and with a view to decongest the city, a new city is being developed as 'Naya Raipur', the green field capital city, at a distance of about 17 kms from the existing Raipur City. Its core area measures 8,013 ha. The planning area of Naya Raipur has been notified as a 'Special Area' under the 'CG Nagar Tatha Gram Nivesh Adhinyam, 1973'.

A Special Area Development Authority namely 'Naya Raipur Development Authority' (NRDA) constituted under the said Act has been entrusted with the development, operation and maintenance of infrastructures of the new city.

Naya Raipur is a green field city and is planned to develop its infrastructure gradually in order to provide world class amenities and facilities to its residents and visitors. The current status and future plan to achieve targets by 2031 is summarized below:

Component	Current status	Phase 2 (by 2021)	Phase 3 (by 2031)
Cumulative Population	15,000	150,000	560,000
Utilities			
Power Requirement	123 MW	123 MW	250 MW
Water Treatment Plant Capacity	52 MLD	52 MLD	102 MLD
Transport			
Access Expressway	8.68 km 4 lane divided		8.68 km up gradation to 6 lane
100m Roads	42.653 km 4 lane divided	6.72 km 4 lane divided	Capacity Augmentation
60m roads	32.49 km 4 lane divided	33.652 km 4 lane divided	Capacity Augmentation
BRTS	11 BRTS pickup points 40 buses	Operation & Capacity Augmentation	Operations & Capacity Augmentation

Table 1: Status and Target of Naya Raipur

2.2. Project Vision

NRDA aims to develop Naya Raipur as an ultramodern 'Green and Smart City'; an eco-friendly city that offers modern amenities for residents and visitors. NRDA vision is:

- To create servicing hub that provides skilled workforce for manufacturing sector and equipped workforce for Information Technology and Bio Technology Sectors.
- Developing Naya Raipur as financial citadel for the region.

- To create a hub of trade and hospitality that begins a new dawn of trade and hospitality at Naya Raipur.
- A cultural services hub that gives the favorable environment for local economy to prosper.
- To provide easy accessibility to high-quality and affordable medical services.
- To develop educational hub that gives youth of Chhattisgarh an opportunity to learn, grow and succeed.

NRDA perspective for smart city is to "enable state and local governments to establish connect between citizens & government, plan and drive investments, and increase efficiency to promote long-term economic, environmental, social and cultural prosperity".

In the approach to the Smart Cities Mission, the objective is to provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions. The focus is on sustainable and inclusive development.

NRDA aims to develop four pillars of Smart city as:

- Institutional Infrastructure (including Governance/Legal Framework)
- Physical Infrastructure
- Social Infrastructure
- Economic Infrastructure

The Smart city system of Naya Raipur is set to achieve following Key Performance Indicators (KPIs)

Dimension	KPI
Institutional Infrastructure (including Governance/Legal Framework)	Minimize manual interaction between Citizen and Government for Government services
	24x7 availability of Government services
Physical Infrastructure	Availability of Public Transport services 24x7
	Maximum travel time of 30 minutes
	24 x 7 supply of water
	100% household with direct water supply connections
	100% metering of water connections
	100% efficiency in collection of water related charges
	100% of electricity connections in the city to have automatic meters
	Complete automatic generation of utility bills by application system
	100% households should have access to toilets
	100% households are covered by daily door-step collection system.
Social Infrastructure	30 minutes emergency response time
	500 beds (in hospitals) per lakh population
	1 Primary School (class I to V) for every 5,000 residents and 1 Senior Secondary School (class VI to XII) for every 7,500 residents
Economic Infrastructure	100% Financial inclusion

Table 2: Key Performance Indicators

2.3. Project Objectives and Stakeholders

Naya Raipur Smart City will leverage the collective intelligence created by connecting physical, Institutional, Social and Economic infrastructure to deliver a quantum improvement in the quality of life of the local population.

Some of the major objectives of the Naya Raipur smart city are:

- To have smart governance system for managing G2G, G2B and G2C services.
- To develop a Land management system for managing disposal of land for infrastructure development.
- To develop a system for restricting entry of unauthorized vehicles within the city.
- To develop a mechanism for monitoring illegal activities.
- To ensure security against theft / spoiling / vandalizing of public good.
- To facilitate the operating staff to carry out online operation and maintenance of all utilities through SCADA based Utility Management System.
- To develop a dedicated fiber network for reliable connectivity.
- To develop an integrated Building Management System
- To have a centralized city control & command centre shall receive real time information from all devices like sensors setup across the city for analysis and prompt response at the time of emergencies.

The major stakeholders of the Smart City are:

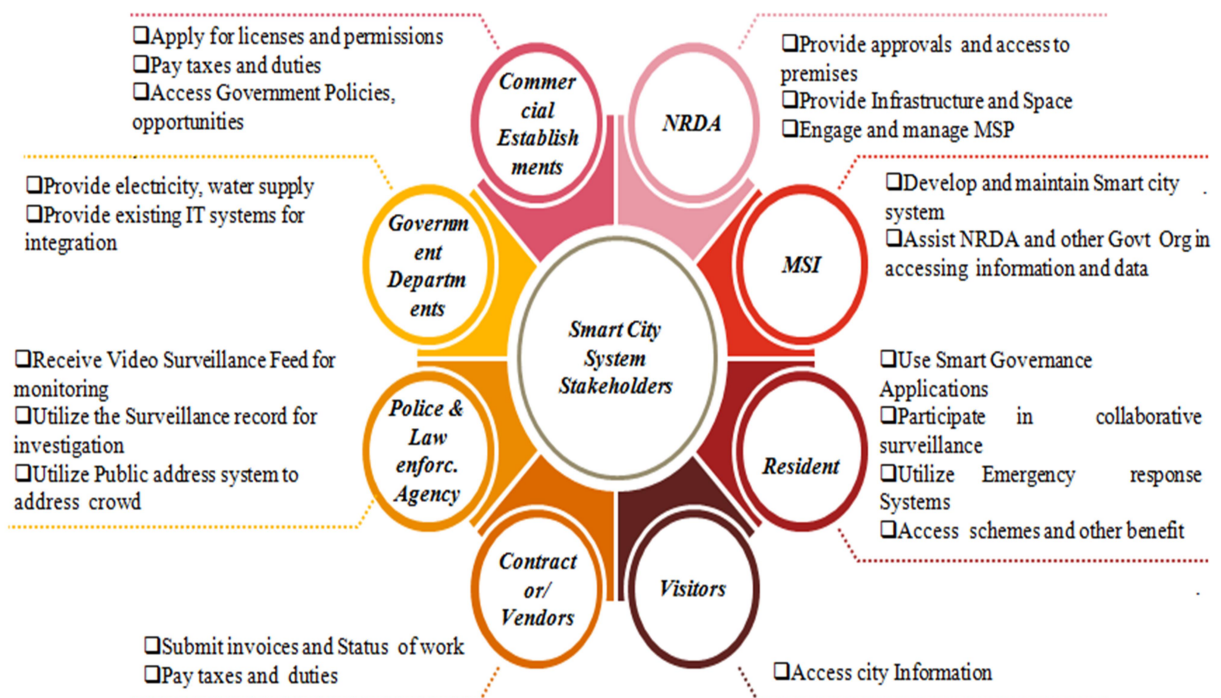


Figure 1: Project Stakeholders

2.4. Summary of the Scope of Work

The proposed scope of work for the Bidder is to implement and maintain the Smart City System. The scope includes software/solution development and deployment, Information Communication Technology (ICT)

infrastructure procurement, deployment, implementation and maintenance of the ICT system including the NRDA common portal and Mobile application.

Since Naya Raipur is a green field city where the population is gradually increasing, NRDA plans to develop it in a phased manner and similarly the smart city elements would also need be implemented in a phased manner and scaled up along with the city growth.

Brief summary of the key components of the NRDA Smart City System are as mentioned in subsequent section:



Figure 2: Component of Smart City Systems

The overall project requirements have been classified into six main tracks/ components for better understanding of the bidders. These six components which would form a solution for this project have been represented in the figure below: (for detail scope of these six tracks/components please refer Volume II of RFP)



1. Track #1: Smart Governance Application including Common Portal and Mobile Applications

The overall objective of this track/component is to change and improve the model that governs interaction between the administration and town residents & other city dwellers, and making it more user-friendly for all concerned. This will ensure that citizens receive an appropriate smart governance response. The ultimate objective is to establish free-flowing, electronic, customer service system providing information and public services to local citizens.

The key objectives include:

- Establishing digital platform for government and citizen interaction.
- Improving the quality of services offered to local citizens and bring up the service levels.
- Improving the internal management of the NRDA.
- Promoting administrative functions to be carried over online.
- Developing integrated knowledge management within the NRDA itself by sharing the data/information across different departments in efficient ways and outside dept.

2. Track #2: City Surveillance System

City surveillance system has been envisaged to be one of the tools to ensure safety and security of the citizens of Naya Raipur with an aim of reducing the overall criminal activities in the city. The proposed solution will aid in the detection and response of incidents.

The key objectives include:

- Provide Alerts/Feedback to the monitoring authority about abnormal situations.
- Remotely monitor public places as well as sensitive installations through 24x7 surveillance.
- Faster response to security alerts.
- Aid in investigation of the incident and provide crucial evidence in the form of recording to the investigating authority.
- To act as deterrent to the criminal activity.
- To improve the overall traffic management in the area.

3. Track #3: Utility Management System

The primary objective of Utility Management System is real time remote monitoring, control of Water and Electricity Supply to all its citizens. The key objectives include:

- Timely availability of real time operating parameters.
- Real time assessment of electrical and water supply situation.
- Readily available on-line information of distribution data in command areas periphery network
- Reliable real time data for service level parameters.
- To provide alert in case of deviation to set parameters.
- To bring in accountability into the system and the services.
- To use latest technology effectively and efficiently to yield significant improvements in efficiency, productivity, profitability and competitive advantage to NRDA.
- To enable better decision making by providing real time data and a technological platform for effective integration with other communications and information management technology.

4. Track #4: Intelligent Transport Management System

The Intelligent Transport Management System (ITMS) aims to provide a comprehensive, real-time data-driven capability for design and implementation of policies and strategies for traffic, transit and urban planning. ITMS for Naya-Raipur aims to play an important role in delivering policy objectives, including improving accessibility, providing integrated transport solution and making best use of existing infrastructure.

ITMS envisaged by NRDA aims to bring in world class operational efficiency and automation to its transit operations and integrated technology framework.

5. Track #5: City Command & Control Centre (CCC) including Data centre and Integrated Building Management System

City Command & Control Centre (CCC) will act as the centralized hub of integration for various components envisaged under the Naya Raipur Smart City System. It shall act as single roof for all the data capturing, processing, consolidation reporting, monitoring and control. Team of various stakeholders would operate on their respective areas from CCC.

6. Track #6: Smart Network

The objective of smart city network is to develop a robust network to meet the present and future requirement for the Naya Raipur Smart city. In order to meet the smart city network requirements, NRDA is laying Fiber Network at Pan City level. The edge devices to be deployed under Smart City System will be required to connect with this Fiber Network.

3. Instructions to the Bidders

Submission of a Bid by the bidders shall be through hard copy and should be carried after careful study & examination of the RFP documents (Volume I, Volume II & Volume III), with full understanding of its implications. Bidders are expected to understand the requirements to allow them to propose the best fit solution.

Proposals are to be submitted as per the enclosed format only along with certificates, brochures & other documents asked for in the RFP document.

3.1. Issuer & Address for Bid Document Collection

RFP in hardcopy/ softcopy would be available from the address given below after payment of Tender Fee. It may be noted that the instrument used for submitting the Tender Fee should be prepared on or before the date of closure of sale of the RFP.

Chief Executive Officer
Naya Raipur Development Authority,
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur, Chhattisgarh
PIN-492002, **T:** 0771-2511500 , **F:** 0771-2511400
Website: www.nayaraipur.gov.in | **Email:** ceo@nayaraipur.com

3.2. Price of RFP

Tender fees of INR 25,000 (Rupees Twenty Five Thousand only), to be submitted in the form of a non-refundable bank demand draft drawn in favor of “CEO, Naya Raipur Development Authority (NRDA)”.

3.3. Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid and NRDA shall in no event be held responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

3.4. Earnest Money Deposit (EMD) / Bid Security

Bidders should submit EMD of Rs. 50,00,000 (Rs. Fifty Lakhs Only), in the EMD Envelope (Cover 1), in the form of a Demand Draft / Bank Guarantee issued by any Nationalised bank/Scheduled Commercial Bank, in favor of the CEO, Naya Raipur Development Authority (NRDA), which should be valid for 180 days from the due date of the tender. Format of the Bank Guarantee is given in Section 5.4 (Form 3) of this RFP (Volume I). Bank Guarantee in any other form will not be accepted.

The EMD of all unsuccessful bidders would be refunded by NRDA within three months of the bidder being notified as being unsuccessful. The EMD amount is interest free and will be refundable to the unsuccessful bidders without any accrued interest on it. EMD shall be returned to the successful bidder upon signing of contract and submission of Performance Bank Guarantee.

The bid submitted without EMD, mentioned above, will be summarily rejected. The EMD may be forfeited:

- If a bidder withdraws its bid during the period of bid validity
- If the successful bidder fails to sign the contract and submit Performance Bank Guarantee within the stipulated period.

3.5. Submission of Bids

- a) A Three Bid System will be followed for this RFP with a Cost Based Selection criterion. The three bids are Pre-Qualification Bid, Technical Bid and Commercial Bid.
- b) All the pages of the Bid must be sequentially numbered and must contain the list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid. Failure to submit the Bid on time could cause a proposal to be rejected. The Purchaser will not accept delivery of the Bid by fax/e-mail or any other electronic/non-electronic means other than that in the hard copy as prescribed in this RFP.
- c) The Bidder should take into account any Corrigendum to this RFP document that may have been published before submitting their Bids. The Bid is to be submitted in five covers as mentioned below:

Cover Number	Cover Name	Content	Number of Copies
One	Authorisation Letter and Earnest Money Deposit (EMD) with the label containing RFP Number, Bidder Name and Cover Name	Letter of Authorisation, EMD (Original documents to be submitted to the Purchaser).	1 in Original
Two	Pre-Qualification bid with the label containing RFP Number, Bidder Name and Cover name	Pre-Qualification bid as per Section 3.6.1 along with the required supporting documents. No Deviation Certificate as per Section 5.14 Total Responsibility declaration as per Section 5.15	Two Printed Copies (1 Original and 1 Copy) and 1 Soft Copy in DVD
Three	Technical bid with the label containing RFP Number, Bidder Name and Cover Name	Technical Bid	Two Printed Copies (1 Original and 1 Copy) and 1 Soft Copy in

Cover Number	Cover Name	Content	Number of Copies
			DVD
Four	Commercial bid with the label containing with RFP Number, Bidder Name, Cover Name and “CONFIDENTIAL”	Commercial Bid	1 Printed Copy in original
Five	Outer Cover with the label containing, RFP Number, Bidder Name, “Proposal for <RFP Name> and “DO NOT OPEN BEFORE <Bid Opening Date and Time>	Cover 1,2,3,4	N/A

- d) The Bidders are requested to go through the RFP advertisement and the RFP carefully to understand the documents required to be submitted and the process to be followed as a part of the Bid. Any deviations may lead to rejection of the Bid.
- e) The Bidder should try to submit the Bid well before the last date and hence to avoid any inconvenience at the last moment. The Bid submission date and time will be as mentioned in the “Data Sheet”, Volume 1 of this RFP. The Bidder will not be allowed to submit the Bid after the Bid submission time.

3.6. Bid Formats

Proposals must be direct, concise, and complete. NRDA will evaluate bidder’s proposal based on its clarity and the directness of its response to the requirements of the project as outlined in this RFP.

Bidder shall submit their bids in the format mentioned in the following sub-sections. Bids not in the prescribed formats will be liable for rejection. If a format for specific document is not provided for in this RFP, the document shall be submitted in a format that makes it legally valid / binding on the Bidder and that is acceptable to the Purchaser. In any event, the Purchaser shall have the right to seek clarifications, modifications etc. on the document submitted by the Bidder and the Bidder shall be obliged to provide such clarifications and modifications within the timelines specified by the Purchaser.

3.6.1. Pre-Qualification Bid Format

Section No.	Section Heading	Details
Section 1	Bid Covering Letter	As per format provided in Form 1
Section 2	Bidders’ Particulars (To be submitted by all consortium members and sub-contractors)	As per format provided in Form 2

Section No.	Section Heading	Details
Section 3	Pre-Qualification Criteria	Pre-Qualification criteria table as mentioned in Section 4.2 with response and reference against each criteria
Section 4	Power of Attorney / Copy of Board Resolution	<p>i. Power of Attorney executed by Lead Bidder in favour of Authorized Signatory signing the bid. Refer to Section 5.16 for format.</p> <p>ii. Power of Attorney executed by each Consortium Member in favour of Lead Bidder. Refer to Section 5.17 for format.</p>
Section 5	Evidence of Consortium	Copy of the Consortium Agreement with clear roles & responsibilities and defining joint and several liabilities.
Section 6	No Deviation Certificate	As per format provided in Section 5.14
Section 7	Total Responsibility Declaration	As per format provided in Section 5.15
Section 8	Signed copy of RFP	Signed copy of RFP

3.6.2. Technical Bid Format

Section No.	Section Heading	Details
Section 1	Technical Evaluation Criteria	Technical Evaluation criteria table as mentioned in Section 4.3 with response and reference against each criteria in the formats specified, if any, against specific criterion
Section 2	Manufacturers'/Producers' Authorization Form	As per format provided in Form 10
Section 3	Masked Commercial Bid	<p>As per the Format of Commercial Bid with Make and Model of items but without any prices.</p> <p>(The bid shall be rejected if cost of any item is shown in the technical proposal)</p>

3.6.3. Commercial Bid

The Bidder must submit the Commercial Bid in the formats specified in Annexure-2. The Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of provision of services under this RFP.

The Bidders shall quote for the entire scope of contract on an “overall responsibility” basis such that the total contract value covers all obligations of the 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 shall not be subject to variation on any account except change in tax rates and tax laws. A Bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

3.7. Pre-bid Meeting and Queries

NRDA will host a Pre-Bid meeting as per the date mentioned in the Bidding Data Sheet. The representatives, limited to 2, of the interested organizations may attend the pre-bid conference at their own cost. The purpose of the conference is to provide bidders with information regarding the RFP and the proposed solution requirements in reference to the RFP. Pre-Bid Conference will also provide each bidder with an opportunity to seek clarifications regarding any aspect of the RFP and the project.

All enquiries from the bidders relating to this RFP must be submitted in writing exclusively to the contact person. Contact details for the RFP are as follows:

Chief Executive Officer

Naya Raipur Development Authority,
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur (C.G.)
PIN-492002

The queries should necessarily be submitted in the following format:

#	Volume No	Page No	Section (Name & No.)	Statement as per tender document	Query by bidder	Reason for Query
1						
2						
3						
4						

All enquiries should be sent either through email in excel and Pdf format to smartcity@nayaraiipur.com. NRDA shall not be responsible for ensuring that bidder's enquiries have been received by them. However, NRDA neither makes any representation or warranty as to the completeness or accuracy of the responses, nor does it undertake to answer all the queries that have been posed by the bidders. All responses given by NRDA will be distributed to all the bidders.

3.8. Language of the Bid

The Bids prepared by the Bidder and all subsequent correspondence and documents relating to the bids exchanged by the Bidder and NRDA, shall be written in English language. Any printed literature furnished by the Bidder, written in another language, shall be accompanied by an accurate English translation, in which case, for purposes of interpretation of the bid, the English translation shall govern.

3.9. Hand written documents, Erasures or Alterations

The offers containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer. Filling up of the information using terms such as "OK", "noted", "as given in brochure/manual" is not acceptable and may lead to the dis-qualification of the bid.

3.10. Bid Prices

The Bidder shall prepare the bid based on details provided in the tender documents. It must be clearly understood that the Scope of Work is intended to give the Bidder an idea about the order and magnitude of the work and is not in any way exhaustive and guaranteed by the bidder. The Bidder shall carry out all the tasks in accordance with the requirement of the tender documents & with due diligence. It is responsibility of the Bidder to fully meet all the requirements of the tender documents and to meet objectives of the project.

If during the course of execution of the project any minor revisions to the work requirements like technical specifications, equipment sizing, etc. are to be made to meet the goals of the project; such changes shall be carried out within the proposed price. If any deviation has a major impact on the commercials, Committee shall take appropriate decision and such decisions would be binding on the Bidder.

3.11. Firm Prices

Prices quoted in the bid must be firm and final and shall not be subject to any upward modifications, on any account whatsoever. NRDA reserves the right to negotiate the prices quoted in the bid to effect downward modification. The Bid Prices shall be indicated in Indian Rupees (INR) only.

The Commercial bid should clearly indicate the price quoted without any ambiguity / qualifications whatsoever and should include all applicable taxes, duties, fees, levies, \ and other charges as may be applicable in relation to the activities proposed to be carried out. It is mandatory that such charges wherever applicable / payable should be indicated separately. Should there be a change in applicable taxes, the actual taxes on the date of billing would prevail.

Prices in any form or by any reason before opening the Commercial Bid should not be revealed, failing which the offer shall be liable for rejection. If price change is inevitable due to any factor external to the bidder, bidders may be given chance to submit revised Bids in a separate sealed cover. Decisions of the NRDA shall be final in this regards.

3.12. Amendment of RFP Document

At any time prior to the submission of bids, NRDA for any reason whatsoever, may, modify any element of the RFP Document by issuing a corrigendum which shall be shared on official email id of prospective bidders who bought the RFP. For the sake of interpretation, the content of any corrigenda issued by the NRDA shall be read as a part of the original bid. In each instance in which provisions of the Corrigenda contradict or are inconsistent/ inapplicable with the provisions of the RFP, the provisions of the Corrigenda shall prevail and govern, and the contradicted or inconsistent/inapplicable provisions of the RFP shall be deemed amended accordingly.

The NRDA may in its sole discretion consider extension of deadlines for submission of the bids, in order to allow prospective Bidders reasonable time in which to take the amendment into account while preparing their bids. All the communications with regards to the clarifications / corrigendum shall be made to the bidders who have purchased the RFP documents.

3.13. Inspection of Site and Sufficiency of Tender

Bidders are expected to work out their own rates based on the detailed description of scope of work items, the specifications, SLA conditions, etc. and should judiciously arrive at the commercials. The Bidders shall be deemed to have satisfied themselves before bid submission as to correctness and sufficiency of its Tender. The rates and prices quoted shall cover all its obligations under the contract necessary for proper completion and maintenance of the Works/Services.

If necessary, before submitting its bid the Bidder should inspect and examine various sites and its surroundings and shall satisfy itself about form and nature of the Sites (including camera locations, UGRs, Substations etc), means of access to the site, and in general, obtain all necessary information which may influence or affect project implementation and operationalisation. No extra charges consequent on any misunderstanding or otherwise shall be allowed.

3.14. Compliant Proposals / Completeness of Response

- a) The 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 this RFP document with full understanding of its implications.
- b) Failure to comply with the requirements of this paragraph may render the Proposal non-compliant and the Proposal may be rejected. Bidders must:
 - i. Include all documentation specified in this RFP;
 - ii. Follow the format of this RFP and respond to each element in the order as set out in this RFP;
 - iii. Comply with all requirements as set out in this RFP.
- c) The Bids shall be submitted strictly in accordance with the requirements and terms & conditions of this RFP. The Bidder shall submit a No Deviation Certificate as per the format mentioned in Annexure 1, Section 5.14 of this Vol 1. The Bids with deviation(s) are liable for rejection.

3.15. Total Responsibility

Bidder should issue a statement undertaking total responsibility for the defect free operation of the proposed solution as per the format mentioned in Section 5.15.

3.16. Conditional offers by the Vendors

The vendor should abide by all terms and conditions specified in the RFP Document. Conditional offers shall be liable for dis-qualification.

3.17. Late Tender offers

Any tender offer received by NRDA after the deadline for submission of tender offer prescribed by NRDA, will be summarily rejected.

3.18. Offer validity Period

Proposals shall be valid for a period of 180 days (one hundred and eighty days) from the date of submission of the proposals. A Proposal valid for shorter period may be considered as non-responsive. In exceptional circumstances, at its discretion, NRDA may solicit the bidder's consent for an extension of the validity period. The request and the responses thereto shall be made in writing or by fax or email.

3.19. Address of Communication

Offers should be addressed to the NRDA and submitted at below given address:

The,
Chief Executive Officer
Naya Raipur Development Authority,
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002 (C.G.)
T: 0771-2511500 , F: 0771-2511400
Website: www.nayaraipur.gov.in | **Email:** ceo@nayaraipur.com

3.20. Opening of Offers

Offers received within the prescribed closing date and time will be opened in presence of bidder representatives (who choose to attend the opening of tender), on the date, time & at the address as per the Bidding Data Sheet. The vendor's representatives present shall sign a register of attendance.

The dates for opening of Technical Envelope would be communicated subsequently, as and when the Pre-qualification envelope scrutiny is completed. Vendors would be given sufficient notice to make technical presentation with respect to the Evaluation Framework and their proposed solution.

3.21. Clarification of Offers

To assist in the scrutiny, evaluation and comparison of offers, NRDA may, at its discretion, ask some or all bidders for clarifications with regards to their offer. The request for such clarifications and the response will necessarily be in writing (by letter / fax / email). Failure of a Bidder to submit additional information or clarification as sought by NRDA within the prescribed period will be considered as non-compliance and the proposal may get evaluated based on the limited information furnished along with the bid proposal.

3.22. Right to Accept Any Offer and to Reject Any or All Offers

NRDA, reserves the right to accept or reject any tender offer, and to annul the tendering process and reject all tenders at any time prior to award of control, without thereby incurring any liability to the affected vendor(s) or any obligation to inform the affected vendor(s) of the grounds for such action.

3.23. Notification of Award

NRDA will notify the successful Bidder via letter / fax /email of its intent of accepting the bid. Within 7 days of receipt of the Letter of Intent issued by the NRDA, the successful Bidder shall be required to sign the LoI and return the same to the address specified above as a token of acceptance of the LoI. Within 15 days of receipt of the LoI by the successful Bidder, the successful Bidder shall submit the Performance Bank Guarantee (PBG) in accordance with the terms of this RFP.

3.24. Performance Bank Guarantee

The successful Bidder shall at his own expense submit to NRDA an unconditional, irrevocable and continuing Performance Bank Guarantee (PBG) from a nationalized bank, in the format prescribed in Annexure-3, payable on demand, for the due performance and fulfilment of the contract by the bidder.

This Performance Bank Guarantee will be for an amount equivalent to 10% of total contract value (2 Bank Guarantees of 5% each) as further detailed in Vol III of the RFP. Except as otherwise provided in Vol III, no interest shall be payable on the PBG. In case the project is delayed beyond the project schedule as mentioned in RFP Vol II, the performance bank guarantee shall be accordingly extended by the Bidder till completion of scope of work as mentioned in RFP Vol II.

3.25. Signing of Contract

Subsequent to NRDA's notification to the successful Bidder by way of a LoI, acceptance of the LoI and submission of the Performance Bank Guarantee, the successful Bidder shall execute the Master Services Agreement with NRDA as provided in Volume III of this RFP. Failure of the successful Bidder to furnish the Performance Bank Guarantee or execute the Agreement within the prescribed time shall cause the EMD of the successful Bidder to be liquidated. In such event, NRDA shall negotiate with the next eligible bidder. The successful Bidder will be liable to indemnify NRDA for any additional cost or expense, incurred on account of failure of the successful Bidder to execute the Agreement.

Notwithstanding anything to the contrary mentioned above, the NRDA at its sole discretion shall have the right to extend the timelines for execution of Agreement on the request of the successful Bidder, provided the same is bona fide.

3.26. Rejection Criteria

Besides other conditions and terms highlighted in the tender document, bids may be rejected under following circumstances:

3.26.1. General Rejection Criteria

- (a) Conditional Bids;
- (b) If the information provided by the Bidder is found to be incorrect / misleading / fraudulent at any stage / time during the Tendering Process;
- (c) Any effort on the part of a Bidder to influence the bid evaluation, bid comparison or contract award decisions;
- (d) Bids received after the prescribed time & date for receipt of bids;
- (e) Bids received without the prescribed Earnest Money Deposit / Bid Security;
- (f) Bids without signature of person (s) duly authorized on required pages of the bid;
- (g) Bids without power of attorney/ board resolution.

3.26.2. Technical Rejection Criteria

- (a) Bidders not complying with the Eligibility Criteria given in this RFP
- (b) Revelation of Prices in any form or by any reason before opening the Commercial Bid;
- (c) Failure to furnish all information required by the Tender Document or submission of a bid not substantially responsive to the Tender Document in every respect;
- (d) Failure to furnish all information required by the Tender Document or submission of a bid not substantially responsive to the Tender Document in every respect;
- (e) Bidders not quoting for the complete scope of work as indicated in the Tender documents, addendum (if any) and any subsequent information given to the Bidder;
- (f) Bidders not complying with the Technical and General Terms and conditions as stated in the Tender Documents;
- (g) The Bidder not confirming unconditional acceptance of full responsibility of providing services in accordance with the Scope of work and Service Level Agreements of this tender;

3.27. Concessions permissible under statutes

Bidder, while quoting against this tender, must take cognizance of all concessions permissible, if any, under the statutes and ensure the same is passed on to the Purchaser, failing which it will have to bear extra cost. In case bidder does not avail concessional rates of levies like customs duty, excise duty, sales tax, etc. NRDA will not take responsibility towards this. However, NRDA may provide necessary assistance, wherever possible, in this regard.

3.28. Taxes

The Bidders shall fully familiarize themselves about the applicable domestic taxes (such as value added or sales tax, service tax, income taxes, duties, fees, levies, etc.) on amounts payable by the Purchaser under the resultant Agreement. All such taxes must be included by Bidders in the final cost offered to NRDA.

3.29. Right to vary the scope of the work at the time of Award

The Purchaser reserves its right to make changes to the scope of the work at the time of execution of the resultant Agreement. If any such change causes an increase or decrease in the cost of, or the time required for the MSI's performance of any part of the work under the resultant Agreement, whether changed or not changed by the order, an equitable adjustment (if required) shall be made in the Contract Value or time schedule, or both, and the Agreement shall accordingly be amended. Any claims by the MSI for adjustment under this Clause must be asserted within thirty (30) days from the date of the MSI's receipt of the NRDA changed order.

3.30. Fraud and Corruption

NRDA requires that MSI observe the highest standards of ethics during the entire process of tendering and during execution of the contract. In pursuance of this policy, NRDA defines, for the purpose of this provision, the terms set forth as follows:

- a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of NRDA in contract executions.
- b. "Fraudulent practice" means a mis-presentation of facts, in order to influence a procurement process or the execution of a contract, to NRDA, and includes collusive practice among bidders (prior to or after Proposal submission) designed to establish Proposal prices at artificially high or non-competitive levels and to deprive NRDA of the benefits of free and open competition.
- c. "Unfair trade practices" means supply of services different from what is ordered on, or change in the Scope of Work which is given by the NRDA in Volume II.
- d. "Coercive Practices" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of contract.

NRDA shall reject the bid proposal for award of contract, if it determines that the bidder recommended for award, has been found to have been engaged in corrupt, fraudulent or unfair trade practices. Once the contract is signed and if it is noticed that the SI has indulged into the Corrupt / Fraudulent / Unfair / Coercive practices, it will be a sufficient ground for the department for termination of the contract and initiate black-listing of the vendor.

3.31. Terms and Conditions of the Tender

Bidder is required to refer to the draft Master Service Agreement, at Volume III in this RFP, for all the terms and conditions (including project timelines) to be adhered by the successful bidder during Project Implementation and Post implementation period. Please note that one needs to read the Master Service Agreement as a whole document; and the Annexures mentioned there-in may not correspond to the RFP Annexure. Please refer to the Interpretation Section of the Agreement for reference of the Annexure.

4. Bid Evaluation

4.1. Evaluation Process

The Purchaser shall evaluate the responses to this RFP and scrutinize the supporting documents / documentary evidence. Inability to submit the requisite supporting documents / documentary evidence, may lead to rejection. The decision of the Purchaser in the evaluation of proposals shall be final. No correspondence will be entertained outside the process of evaluation with the Purchaser. The Purchaser may ask for meetings with the Bidders to seek clarifications or conformation on their proposals. During the Proposal Evaluation, Purchaser reserves the right to reject any or all the Proposals. Each of the responses/ Proposals shall be evaluated as per the criteria and requirements specified in this RFP.

The steps for evaluation are as follows:

4.1.1. Stage 1: Pre-Qualification

- a) Purchaser shall open Cover 1 marked “Authorisation Letter and Earnest Money Deposit (EMD)”.
- b) If the contents of the Cover 1 are as per requirements and the EMD in prescribed format have been received in original by the Purchaser as per the terms of this RFP, the Purchaser shall open Cover 2 marked “Pre-Qualification Bid”. Each of the Pre-Qualification condition mentioned in Section 4.2 is MANDATORY. In case the Bidder does not meet any one of the conditions, the bidder will be disqualified.
- c) The Pre-Qualification proposal MUST contain all the documents in compliance with instructions given under section 3.6.1.
- d) Response to the Pre-Qualification Requirements shall be evaluated in accordance with the requirements specified in this RFP and in the manner prescribed in Section 4.2 of this Volume I of the RFP.
- e) Results of the Pre-Qualification shall be communicated to bidders.

4.1.2. Stage 2: Technical Evaluation

- a) Cover 3 marked as “Technical bid” will be opened only for Bidders who succeed in Stage 1.
- b) NRDA will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at NRDA’s discretion.
- c) The bidders' technical solutions proposed in the bid document will be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in Section 4.3.
- d) Bidders shall make the presentation of the proposal to NRDA as per the agenda mentioned in Section 4.3.4 of Vol I of the RFP.
- e) Each Technical Bid will be assigned a Technical Score out of a maximum of 1000 marks. Only the bidders who get an aggregate Technical score of **70%** or more and are among the top 5 bidders by

technical score, will qualify for commercial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid and Bidder.

4.1.3. Stage 3: Commercial Evaluation

1. All the technically qualified bidders will be notified to participate in Commercial Bid opening process.
2. The commercial bids for the technically qualified bidders will then be opened on the notified date and time and reviewed to determine whether the commercial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at NRDA's discretion.
3. Commercial Bids that are not meeting the condition mentioned in Section 3.6.3 shall be liable for rejection.
4. Total Cost of Bid (TCB) shall be calculated based on the commercial formats given in **Annexure-2**
5. The Normalized commercial score of the technically qualified bidders will be calculated, while considering the Total Cost of Bid given by each of the Bidders in the Commercial Bid as follows:

Normalized Commercial Score of a Bidder = {Lowest TCB/ Bidders TCB} X 1000 (adjusted to 2 decimals)

Example:

Bidders	Total Cost of Bid	Calculation	Normalized Commercial Score
Bidder-1	110	(110/110)*1000	1000
Bidder-2	140	(110/140)*1000	785.7
Bidder-3	160	(110/160)*1000	687.5
Bidder-4	130	(110/130)*1000	846.1
Bidder-5	150	(110/150)*1000	733.33

6. The bid price will include all taxes and levies and shall be in Indian Rupees and mentioned separately.
7. Any conditional bid would be rejected
8. Errors & Rectification: Arithmetical errors will be rectified on the following basis:
 - a. "If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
 - b. If there is a discrepancy between words and figures, the amount in words will prevail."
 - c. If the Bidder does not accept the error correction, its Bid will be rejected and its EMD may be forfeited.

4.1.4. Stage 4: Final score calculation through QCBS

- The final score will be calculated through Quality and Cost selection method based with the following weight-age:

Technical: 80%

Commercial: 20%

Final Score = (0.80* Technical Score) + (0.20* Normalized Commercial Score)

Example:

Bidders	Technical score	Normalized commercial score	Final Score (80:20)
Bidder-1	926	1000	940.8
Bidder-2	947	785.7	914.74
Bidder-3	842	687.5	811.1
Bidder-4	1000	846.1	969.22
Bidder-5	768	733.33	761.07

- The bidder with the highest Final score shall be treated as the Successful bidder.
In the above example, Bidder-4 will be treated as successful bidder.
- In the event the Final scores are 'tied', the bidder securing the highest technical score will be adjudicated as the Best Value Bidder for award of the Project.

4.2. Pre-Qualification Criteria

The Bidder's pre-qualification bid will be evaluated as per the following criteria:

#	Parameter	Pre-qualification criteria description	Evidence required	Applicability
1.	Legal Entity	MSI should be: <ul style="list-style-type: none"> A company incorporated in India under the Companies Act, 1956 and subsequent amendments thereto. Registered with the Service Tax 	<ul style="list-style-type: none"> Copy of Certificate of Incorporation Copy of Registration Certificates with the Service Tax & VAT Authorities Copy of purchase orders 	MSI

#	Parameter	Pre-qualification criteria description	Evidence required	Applicability
		& VAT Authorities in India <ul style="list-style-type: none"> Should have been operating for the last five years in India as on the date of publishing of RFP notice (including name change / impact of mergers or acquisitions). 	showing at least 5 years of operations OR Certified true copy of balance sheet and PL statements for last 5 years	
		Consortium Members should be: <ul style="list-style-type: none"> A company incorporated in India under the Companies Act, 1956/2013 and subsequent amendments thereto. Registered with the Service Tax & VAT Authorities in India 	<ul style="list-style-type: none"> Copy of Certificate of Incorporation Copy of Registration Certificates with the Service Tax & VAT Authorities 	Consortium Members
2.	Turnover	MSI should have an average annual turnover of at least INR 250 Crores in any of the 3 out of last 4 financial years (FY 2012-13, 2013-14, 2014-15 and 2015-16) from IT system integration services, ICT system integration services, communication infrastructure, city surveillance, utility management, Transport management and command & control center implementation in India. OR Consortium together should have an average annual turnover of at least INR 400 Crores out of which Lead Bidder should have an average annual turnover of at least INR 150 Crores in any of the 3 out of last 4 financial years (FY 2012-13, 2013-14, 2014-15 and 2015-16) from IT system integration services, ICT system integration services, communication infrastructure, city surveillance, utility management, Transport management and command &	Extract of audited financial statements for the financial years. OR Certificate from the Statutory Auditor / Chartered Accountant. In case Chartered Accountant certificate is submitted the said certificate also need to be counter signed by Company Secretary of the bidder.	MSI OR Consortium

#	Parameter	Pre-qualification criteria description	Evidence required	Applicability
		<p>control center implementation in India.</p> <p>(Note: Turnover from sales of software (OEM) licenses or hardware's, not sold as part of any system integration projects shall be excluded while calculating this turnover).</p> <p>Turnover of any parent, subsidiary, associated or other related entity will not be considered.</p>		
3.	Net Worth	<p>The MSI should have positive Net Worth in Financial Year 2015-16.</p> <p>AND</p> <p>The bidder/consortium should have Net worth of not less than INR 20 Crore Net Worth in Financial Year 2015-16.</p>	Extract of audited financial statements for the financial year.	MSI and Consortium Partner (if any).
4.	Experience in development Smart City component*	<p>Bidder (MSI or Any Consortium Partner) should have experience in implementation and maintenance of following projects of value not less than INR 10 Crore each:</p> <p>a)Citizen Centric e-Governance solutions for Government Department OR Urban Local Body OR Urban Development Authority,</p> <p>b)Utility Management (Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR Distribution Management System) and</p> <p>c)Command & Control Centre</p>	<p>Case Study+ Copy of work order/Client certificate + Completion/Phase completion Certificates from the client. The Document/certificate shall clearly indicate Scope of Work, Duration/ start date of project and value of project. In case the experience shown is that of the bidder's parent / subsidiary /sister concern company, than the following additional documents are required:</p> <p>i. Letter from the Company Secretary of the bidder certifying</p>	MSI or Any Consortium Partner

#	Parameter	Pre-qualification criteria description	Evidence required	Applicability
		<p>in India or abroad in last 7 years.</p> <p>Note:</p> <ul style="list-style-type: none"> • Bidder can propose separate (one or more) projects for each component for evaluation. • Each project should have minimum value of INR 10 Crores 	<p>that the entity whose experience is shown is parent/subsidiary/sister concern Company</p> <p>ii. Shareholding pattern of the bidding entity as per audit reports</p>	
5.	Certification	Bidder/ Consortium Partner responsible for Smart Governance component should have valid CMMi level 3 or above Certificate	Submit a copy of the requisite certificates	MSI or Consortium Partner responsible for Smart Governance component
6.	Blacklisting	Bidder and Consortium partner should not have been blacklisted by Govt. of India/ Govt. of Chhattisgarh on the date of bid submission.	Self-certificate on company's letter head duly signed by company secretary.	MSI and Consortium Partner
7.	Earnest Money Deposit (EMD)	The bidder should furnish, as part of its proposal, an Earnest Money Deposit (EMD) of Rs. Fifty Lakhs only (Rs.50,00,000/-).	<p>EMD may be submitted in Demand Draft in the name of CEO, Naya Raipur Development Authority (NRDA) payable at Raipur.</p> <p>OR</p> <p>EMD may be submitted in the form of Bank Guarantee (BG) as per format mentioned in the RFP on stamp paper of value required under law duly signed by authorized representative of Bank.</p>	MSI

Note:

1. For parameter 4, the proposed project will be considered for evaluation only if its scope covers following under the individual component:

- **Smart Governance:** Any application covering core and supportive Municipal functions or Citizen Centric eGovernance solution
 - **Utility Management System (Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR Distribution Management System):** Assignment in which Electrical or Water city level / township level / campus level distribution system is automated for real time management and operations.
 - **Command & Control Centre (CCC):** Assignment in which CCC comprising of Command Centre Application, Management (Video wall) room, Operations room, Contact centre/helpdesk are built.
2. For International project if the original client certificate and other documents are in language other than English than a translated copy duly verified by Indian embassy shall be submit with bid document
 3. For projects where fee has been received in any currency other than Indian Rupees, than the foreign currency conversion rate available on Reserve Bank of India's portal as on the date of publication of the tender document shall be used for conversion of amount in foreign currency to Indian Rupees equivalent.
 4. Bidders are allowed to submit experience in terms of technical qualification of their holding(parent) company or subsidiary company or Sister concern only.
 - a. a 'holding company', in relation to one or more other companies, means a company of which such companies are subsidiary companies; and
 - b. a 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own
 - c. a 'sister concern' in relation to Bidder Company, means a company whose holding company is same as bidder's holding company and holding company (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own
 5. In case where the bidder is dependent upon the technical experience of the subsidiary company or the parent company or the sister concern, with a view to ensure commitment and involvement of the parent/ subsidiary/sister company for successful execution of the contract, the participating bidder should enclose (i) an Agreement (as per format enclosed at Form 12 of this Volume) between the bidder and its parent / subsidiary/Sister concern company for fulfilling the obligation and deployment of expert during implementation phase for the Track for which the experience is being used and (ii) Guarantee (as per format enclosed at Form 17 of this Volume) from the parent/ subsidiary/sister concern company in favor of NRDA
 6. Projects executed for bidder's own or bidder's group of companies shall not be considered.

4.3. Technical Qualification Criteria

The technical proposal of bidder will be evaluated only after compliance to the Functional and Technical Specifications provided under Annexures II and III respectively of Volume 2 of this RFP.

The bid complied as per criteria mentioned above will be evaluated as per the framework detailed below:

#	Evaluation Criteria	Total Marks
1.	Bidder's Organizational Strength and Experience	400
2.	Proposed Solution, Approach & Methodology	300
3.	Resource Planning, Project Governance & Key personnel proposed	200
4.	Technical Presentation	100
Grand Total		1000

NRDA (or a nominated party) reserves the right to check/ validate the authenticity of the information provided in the Pre-qualification and Technical Evaluation criteria and the requisite support must be provided by the Bidder. The following sections explain how the Bidders will be evaluated on each of the evaluation criteria.

4.3.1. Bidder's Organizational Strength and Experience (Total Mark -400)

#	Criteria	Criteria Details	Documentary Evidence	Maximum Marks
1.	Experience in Implementation and maintenance of Smart governance Project in India or International	<p>Experience in Impementation & maintenance of e-Governance Project for Citizen Centric Service/ Urban Local Body / Urban Development Authority in last seven (7) financial years. Value of project should be at least of INR 10 crores.</p> <ul style="list-style-type: none"> • 4 citations (at least 1 should be successfully completed) = 120 marks • 3 citations (at least 1 should be successfully completed) =90 marks, • 2 citation (at least 1 should be successfully completed) = 60 marks • 1 citation successfully completed = 30 marks • else 0 Marks 	<p>Case Study+ Copy of work order/Client certificate +</p> <p>Completion/Phase completion Certificates from the client. The Document/certificate shall clearly indicate Scope of Work, Duration/ start date of project and value of project.</p> <p>In case the experience shown is that of the bidder's parent /subsidiary company/Sister concern, then the following additional documents are required:</p> <p>i. Letter from the Company Secretary of the bidder certifying that the entity whose experience is shown is parent/subsidiary Company/Sister Concern</p>	120
2.	Experience in Implementation and maintenance of large scale Utility Management System (Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR	<p>Experience in Implementation & maintenance of large Utility Management System (Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR Distribution Management System) Project in last seven (7) financial years. Value of project should be at least of INR 10 crores.</p> <ul style="list-style-type: none"> • 4 citations (at least 1 should be successfully completed) = 	<p>ii. Shareholding pattern of the bidding entity as per audit reports</p>	90

#	Criteria	Criteria Details	Documentary Evidence	Maximum Marks
	Distribution Management System) in India or International	<p>90 marks</p> <ul style="list-style-type: none"> • 3 citations (at least 1 should be successfully completed) =70 marks, • 2 citation (at least 1 should be successfully completed) = 50 marks • 1 citation successfully completed = 25 marks • else 0 Marks 		
3.	Experience in Implementation and maintenance of Command & Control Centre in India or International	<p>Experience in Implementation & maintenance of Command & Control Centre Project in last seven (7) financial years. Value of project to be at least of INR 10 crores.</p> <ul style="list-style-type: none"> • 4 citations (at least 1 should be successfully completed) = 90 marks • 3 citations (at least 1 should be successfully completed) =70 marks, • 2 citation (at least 1 should be successfully completed) = 50 marks • 1 citation successfully completed = 25 marks • else 0 Marks 		90
4.	Experience in Implementation of	<p>Experience in Smart City System Component integration and implementation in single assignment/project in</p>		100

#	Criteria	Criteria Details	Documentary Evidence	Maximum Marks
	integrated Smart City/township/campus system including Command and Control Centre (CCC)	city/township/campus in India/abroad in last seven (7) financial years. <ul style="list-style-type: none"> • CCC and more than 3 Components= 100 marks • CCC and atleast 3 components= 75 marks • CCC and atleast 2 components= 50 marks • Else 0 marks 		
Total				400

Note:

1. For parameter 1,2,3,4
 - i. Bidders are allowed to submit experience in terms of technical qualification of their holding (Parent) company or subsidiary company or Sister concern only.
 - a. a 'holding company', in relation to one or more other companies, means a company of which such companies are subsidiary companies; and
 - b. a 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own

-
- c. a 'sister concern' in relation to Bidder Company, means a company whose holding company is same as bidder's holding company and holding company (a) controls the composition of the Board of Directors; or (b) exercises or controls more than one-half of the total share capital at its own
- ii. In case where the bidder is dependent upon the technical experience of the subsidiary company or the parent company or the sister concern, with a view to ensure commitment and involvement of the parent/ subsidiary/sister company for successful execution of the contract, the participating bidder should enclose (i) an Agreement (as per format enclosed at Form 12 of this Volume) between the bidder and its parent / subsidiary/Sister concern company for fulfilling the obligation and deployment of expert during implementation phase for the Track for which the experience is being used and (ii) Guarantee (as per format enclosed at Form 17 of this Volume) from the parent/ subsidiary/sister concern company in favor of NRDA
- iii. The proposed project will be considered for evaluation only if its scope covers following under the individual component:
- **Smart Governance:** Any application covering core and supportive Municipal functions or Citizen Centric eGovernance.
 - **Utility Management System ((Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR Distribution Management System):** Assignment in which Electrical or Water city level / township level / campus level distribution system is automated for real time management and operations.
 - **Command & Control Centre (CCC):** Assignment in which CCC comprising of Command Centre Application, Management (Video wall) room, Operations room, Contact centre/helpdesk are built.
- iv. For International project if the original client certificate and other documents are in language other than English than a translated copy duly verified by Indian embassy shall be submit with bid document For projects where fee has been received in any currency other than Indian Rupees, than the foreign currency conversion rate available on Reserve Bank of India's portal as on the date of publication of the tender document shall be used for conversion of amount in foreign currency to Indian Rupees equivalent Projects executed for bidder's own or bidder's group of companies shall not be considered.
2. For Parameter 4, components covering below mentioned scope will be considered for evaluation:
- **Smart Governance:** Any application covering core and supportive Municipal functions or Citizen Centric eGovernance solution.

-
- **Utility Management System (Water SCADA OR Water Management & Leak Detection System OR Electricity SCADA OR Distribution Management System):** Assignment in which Electrical or Water city level distribution system is automated for real time management and operations.
 - **Command & Control Centre (CCC):** Assignment in which CCC comprising of Command Centre Application, Management (Video wall) room, Operations room, Contact centre/helpdesk are built.
 - **Integrated Building Management System:** Assignment in which Building Management System, Surveillance camera, Access management is deployed.
 - **CCTV Surveillance-** Assignment in Surveillance camera and Video Management system is deployed.
 - **Intelligent Transport Management System.** Assignment in which ANPR/ Speed detection system is deployed.

4.3.2. Proposed Solution, Approach and Methodology (Total Marks-300)

Bidder has to provide answers of the below mentioned questions in form of write-up (maximum 3 A4 sheets per question except for question no 10, for which max 50 sheets are permitted) as a part of Technical Proposal evaluation.

Sr #	Questions	Maximum Marks
1.	Please explain your understanding of the project.	25
2.	Please provide the proposed solution and network architecture of Naya Raipur Smart City System	25
3.	Please explain how would you ensure that the implementation phase is completed within stipulated timeframe of 6 months	25
4.	What will be approach towards the scalability, Interoperability and modularity features considering the future expansion of the project? The response to this question shall be given considering growth of Naya Raipur as well as new applications or systems that may be envisaged / developed in the future by NRDA.	25
5.	Please identify major risks for the project and also propose suitable mitigation plan for each of these risks.	25
6.	How the proposed solution ensures the fool proof security to the system from various threats including hacking attempts, internal threats, etc? Please explain in detail approach towards the security of the overall solution from external and internal threats	25
7.	What have been your key learnings from the similar projects and how do you propose to incorporate them in executing this assignment	25
8.	How SLAs mentioned under this RFP will be measured? What tools will be used for SLA measurement?	25
9.	What should be the Cloud Strategy of NRDA with respect to scope of this RFP? Please elaborate on pros and cons of this strategy.	25
10.	Please explain your detailed approach and methodology for executing this project	75
Total		300

4.3.3. Resource Planning (Total Marks-200)

#	Criteria	Criteria Details	Maximum marks
1.	Resource Deployment Plan & Governance structure	Bidder would be evaluated for Resource Deployment Plan & Governance Structure	50
2.	Program Manager	Refer to Team Evaluation Matrix Below	30
3.	Citizen Service/Municipal Domain expert	Refer to Team Evaluation Matrix Below	10
4.	Water SCADA or Electrical SCADA expert	Refer to Team Evaluation Matrix Below	10
5.	IBMS expert	Refer to Team Evaluation Matrix Below	10
6.	Surveillance Expert	Refer to Team Evaluation Matrix Below	10
7.	ITMS Expert	Refer to Team Evaluation Matrix Below	10
8.	Solution Architect	Refer to Team Evaluation Matrix Below	10
9.	Project Manager-Software	Refer to Team Evaluation Matrix Below	10
10.	Project Manager-Infrastructure	Refer to Team Evaluation Matrix Below	10
11.	Database Architect	Refer to Team Evaluation Matrix Below	10
12.	Security Expert	Refer to Team Evaluation Matrix Below	10
13.	Command and Control Centre management Expert	Refer to Team Evaluation Matrix Below	10

14.	Mobile App development Expert	Refer to Team Evaluation Matrix Below	10
Total			200

Team Evaluation Matrix

Program Manager = 30 marks

a)Educational Qualification:

- BE / B. Tech / MCA with MBA/Mtech = 3 Marks
- BE / B. Tech / MCA = 2 Marks
- Else 0

b)Certification :

- PMP / Prince 2 Certification = 2 Marks

c)Work experience in the capacity of Project/Program Manager in ICT implementation Projects:

- ≥ 10 years = 12 Marks
- ≥ 8 and < 10 year =9 Marks
- ≥ 5 and < 8 year =6Marks
- Else 0

d)Project/Program management Experience in ICT implementation Project of value > 100 crores:

- ≥ 3 Projects= 10 Marks
- 2 Projects = 6 Marks
- 1 Project= 3 Marks
- Else 0

e) Project/Program management Experience Smart City ICT implementation Project:

- 1 Project= 3 Marks
- Else 0

Citizen Service/Municipal Domain expert= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience in Implementation of Citizen Centric Service/Municipal domain ICT Projects:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5 Marks
- Else 0

c) International work experience in Implementation of Citizen Centric Service/Municipal domain ICT Projects:

- Atleast 1 Project = 1 Mark
- Else 0

Electrical or Water SCADA expert = 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience in Implementation of SCADA Projects:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5 Marks
- Else 0

c) International work experience in Implementation of SCADA Projects:

- Atleast 1 Project = 1 Mark
- Else 0

IBMS expert = 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience in Implementation of IBMS Projects:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience in Implementation of IBMS Projects:

- Atleast 1 Project = 1 Mark
- Else 0

Surveillance Expert= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience in Implementation of Surveillance Projects:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience in Implementation of Surveillance Projects:

- Atleast 1 Project = 1 Mark
- Else 0

Intelligent Transport Management System (ITMS) Expert= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience in Implementation of ITMS Projects:

- ≥ 9 years = 7 marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience in Implementation of ITMS Projects:

- Atleast 1 Project = 1 mark
- Else 0

Solution Architect= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as IT/ICT solution architect:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience as IT/ICT solution architect:

- Atleast 1 Project = 1 Mark
- Else 0

Project Manager-Software = 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as Project Manager in software Implementation Project:

- ≥ 9 years = 7 marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience as Project Manager in software Implementation Project:

- Atleast 1 Project = 1 mark
- Else 0

Project Manager – IT/ICT Infrastructure= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as Project Manager in IT/ICT Infrastructure Project:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience as Project Manager in IT/ICT Infrastructure Project:

- Atleast 1 Project = 1 mark
- Else 0

Database Architect= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as Database architect:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

c) International work experience as Database architect:

- Atleast 1 Project = 1 Mark
- Else 0

IT Security Expert= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 1 Mark
- Else 0 Marks

b) Certification

- CISSP/CSSP/ CISA / ISO 27001 Lead Auditor certification= 1 Mark

c) Work experience as IT Security Expert:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5Marks
- Else 0

d) International work experience as IT Security Expert:

- Atleast 1 Project = 1 Mark
- Else 0

Command and Control Centre (CCC) Expert = 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as CCC Expert:

- ≥ 9 years = 7 Marks
- ≥ 6 and < 9 year = 5 Marks
- Else 0

c) International work experience as CCC Expert:

- Atleast 1 Project = 1 Mark
- Else 0

Mobile App development Expert= 10 Marks**a) Educational Qualification:**

- Bachelors Degree in Engineering/MCA = 2 Marks
- Else 0 Marks

b) Work experience as Mobile App development Expert:

- ≥ 5 years = 7 Marks
- ≥ 3 and < 5 year = 5 Marks
- Else 0

c) International work experience as Mobile App development Expert:

- Atleast 1 Project = 1 Mark
- Else 0

4.3.4. Demo and Presentation (Total Marks-100)

#	Criteria	Criteria Details	Marks Allotted
1	Presentation (45 minutes presentation + 15 minutes Q&A)	<ul style="list-style-type: none"> • Quality of presentation • Understanding of requirements • Ability to clearly explain the proposed solution • Quality of responses given to queries of presentation panel 	30
2	Presentation on Uniqueness of Solution	Demonstrate uniqueness and fulfillment of proposed solution as per requirement of NRDA.	20
3	Demonstration	<ul style="list-style-type: none"> • Demonstration of Smart Governance Application • Demonstration of Utility Management system • Demonstration of Command and Control Centre or ITMS system 	50
Total			100

Note: The Presentation has to delivered by proposed Program Manager

5. Annexure 1 –Technical Bid Template

5.1. General Instructions for the Technical Proposal

Bidders have to submit a very structured and organized technical proposal, which will be analysed by the NRDA's Committee for different compliances with regards to the requirements of the project. Since the overall evaluation of the bid is techno-commercial, the quality and completeness of the information submitted by the bidder will matter a lot while finalizing the technical scores. Bidder is expected to divide its proposal in atleast following Sections / Documents:

1. Bid Cover Letter-Form 1
2. Particulars of the Bidder-Form 2
3. Pre-Qualification Checklist -Form 5 and supporting documents
4. Technical Proposal Including
 - Technical Evaluation matrix and supporting documents
 - Response to criteria mentioned under Section 4.3.1
 - Responses to questions in Section 4.3.2
 - Response to Resource planning in section 4.3.3
 - Proposed Project Team details (form 7) and CVs(form 8)
 - Deployment plan
 - Project Plan
5. Compliance to the benchmark / minimum Specifications (form 9)
6. Authorization Letters from OEMs (form 10)
7. Roles and Responsibility of MSI and consortium Partner (if any) (form 11).
8. Masked Price Bid without price detail and with details of Make and Model.

5.2. Form 1: Bid Cover Letter

To:

<Location, Date>

Chief Executive Officer
Naya Raipur Development Authority
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002
Phone-0771-2412500

Subject: Submission of the response to the RFP No <> dated <>
Dear Sir,

We, the undersigned, offer to provide Master System Integration Service for Naya Raipur Smart City System in response to the Request for Proposal dated <insert date> and RFP No <> for 'Selection of Master System Integrator for Naya Raipur Smart City System'. We are hereby submitting our Proposal, which includes this Prequalification, Technical bid and the Financial Bid sealed in separate envelopes.

We hereby declare that all the information and statements made in this Technical bid are true and accept that any misinterpretation contained in it may lead to our disqualification.

We undertake, if our Proposal is accepted, to initiate the Implementation services related to the assignment not later than the date indicated in Fact Sheet/Work Order.

We agree to abide by all the terms and conditions of the RFP document. We would hold the terms of our bid valid for 180 days as stipulated in the RFP document.

We hereby declare that we are not insolvent, in receivership, bankrupt or being wound up, our affairs are not being administered by a court or a judicial officer, our business activities have not been suspended and we are not the subject of legal proceedings for any of the foregoing.

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

Yours sincerely,

Authorized Signature [*In full and initials*]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

Location: _____ Date: _____

Note: To be provided by Lead bidder in case of consortium.

5.3. Form 2: Particulars of the Bidder

Sl No.	Information Sought	Details to be Furnished
1.	Legal Name and address of the bidding Company	
2.	Incorporation status of the firm (public limited / private limited, etc.)	
3.	Year of Establishment	
4.	Date of Registration	
5.	Details of company registration	
6.	Name, Address, email, Phone nos. and Mobile Number of Contact Person	

Note: To be provided separately for each member in case of consortium.

5.4. Form 3: Format of Bank Guarantee for Earnest Money Deposit

(To be provided in original in **Envelope – 1** on stamp paper of value required under law duly signed by authorized representative of Bank)

(To be valid for minimum period of six months on Rs.100/- (Rupees hundred only) Stamp Paper from a Nationalised Bank/Scheduled Commercial Bank operatable in Raipur, Chhattisgarh only)

To,
Naya Raipur Development Authority
Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002,
Chhattisgarh

1. In consideration of Naya Raipur Development Authority of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhinyam - 1973 (No. 23, Year 1973), having its registered office at Paryavaas Bhawan, North Block, Sector 19, Naya Raipur PIN-492002 (C.G.), Chhattisgarh (herein after called 'NRDA' which expression shall unless it be repugnant to the subject or context on meaning thereof include its successors and assign or assigns) having invited tenders in connection with Contract package No. _____ for the execution of the work of

And in future consideration of the NRDA having consented to permit M/s. _____ (Name of the Tenderer) (hereinafter called "the Tenderer" which expression shall unless it be repugnant on the context and meaning thereof include his heirs, executors, administrators and assign/ assigns) to deposit the Earnest Money Deposit of Rs. _____ (Rupees _____) in the form of an unconditional and irrevocable Bank Guarantee furnished by a Nationalised Bank /Scheduled Commercial Bank and operatable in Raipur, Chhattisgarh, in accordance with the requirement of tender package. We the Bank of _____ constituted and established under the _____ banking Companies Act. Acquisition and Transfer undertaking Act 1970 a company incorporated under Companies Act 1956 and Nationalised Bank/Scheduled Commercial Bank, within the meaning of Reserve Bank Act 1934, Clause (e) of Section 2 having our Head office at _____ do and hereby guarantee, undertake and agree to pay the NRDA a sum of Rs. _____ (Rupees _____) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Tenderer is in breach of its obligation(s) under the tender conditions, because the Tenderer:

- (a) has withdrawn its Tender during the period of tender validity specified by the Tenderer in the Form of Tender; or
 - (b) having been notified of the acceptance of its Tender by the NRDA (Employer) during the period of tender validity, (i) fails or refuses to execute the Contract agreement as required, or (ii) fails or refuses to furnish the performance bank guarantee, in accordance with the Detailed NIT clause 18 (iii) refuse to accept the correction of its Tender Price pursuant to Detailed NIT Clause 24 or
 - (c) has given the false documents in support of qualification with the technical tender.
2. We, Bank of _____ further agree that the NRDA shall be sole judge of and as to whether the Tenderer has committed any breach or breaches of any of the terms and conditions of the

said Tender and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRDA on account thereof and the decision of the Chief Executive Officer, NRDA that the Tenderer has committed such breach or breaches and as to the amount or amounts of losses, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRDA from time to time shall be final and binding on us.

3. We the said Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that the said tender shall be made valid for acceptance by the NRDA and till all the dues of the NRDA under the said Tender or by virtue of any of the terms and conditions governing the said Tender have been fully paid and its claims satisfied or discharged and till Chief Executive Officer, NRDA certifies that the terms and conditions of the said Tender have been fully and properly carried out by the Tenderer and accordingly discharges this guarantee subject, however, that the NRDA shall have no claim under this Guarantee after completion of the work or from the date of cancellation of the said contract, as the case may be, unless a notice of the claim under this Guarantee has been served on the Bank before the expiry of the said period of 6 (six) months from the deadline for receipt of tender i.e. in which case the same shall be enforceable against the Bank notwithstanding the fact that the same is enforced after the expiry of the said period of 6 (six) month from the date of receipt of tender.
4. The Chief Executive Officer, NRDA shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee of Indemnity, from time to time to vary any of the terms and conditions of the said Tender or to extend time for performance by the contractor or to postpone for any time and from time to time any of the power exercisable by it against the Tenderer and either to enforce or forbear from enforcing any of the terms and conditions governing the said Tender or securities available to the NRDA and the said Bank shall not be relieved from its liability under these presents by an exercise by the NRDA of the liberty with reference to the matters aforesaid or by reason of time being given to the or any other forbearance act or omission on the part of the NRDA or by indulgence by the NRDA to the Tenderer or of any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of so releasing the Bank from its such liability.
5. It shall not be necessary for the NRDA to proceed against the Tenderer before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any security which the NRDA may have obtained or obtain from the Tenderer shall at the time when proceedings are taken against the Bank hereunder be outstanding or unrealized.
6. We, the said Bank lastly undertake not to revoke this Guarantee during the currency except with the previous consent of the NRDA in writing and agree that any change in the constitution of the Tenderer or the said Bank shall not discharge liability hereunder.
7. Our liability under this Bond is restricted to Rs. _____ and it will remain till the ___. Unless a claim under this guarantee is made within 6 (six) months from that date all your rights under the said Guarantee shall be forfeited and we shall be relieved and discharged from all liability there under.

Dated this _____ the day of _____ For and on behalf of
the Bank the above Guarantee is accepted by

Name of Bank

5.5. Form 4: Format for Declaration of Non Back Listing

(To be submitted on the Letterhead of the Bidder, separately in case of consortium)

To:

<Location, Date>

Chief Executive Officer
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002
Phone-0771-2412500

Ref: RFP Notification no <xxxx> dated <dd/mm/yy>

Subject: Self Declaration of not been blacklisted in response to the RFP for Selection of Master System Integrator for Naya Raipur Smart City System. Tender No <> dated <>

Dear Sir,

We confirm that our company, _____, is not blacklisted in any manner whatsoever by any of the State/UT and/or central government in India at the time of bid submission on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.

Place:

Date:

Bidder's Company Seal:

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Note:

1. The Bidder shall necessarily provide a copy of 'Power of Attorney/Board Resolution' authorizing the signatory for signing the Bid on behalf of the Bidder in its Pre-Qualification Bid.
2. To be provided separately for each member in case of consortium.

5.6. Form 5: Check-list for the documents to be included in the Pre-Qualification

#	Documents to be submitted	Submitted (Y/N)
1.	Bid Cover Letter	
2.	Bidders Particular	
3.	<ul style="list-style-type: none"> • Copy of Certificate of Incorporation • Copy of Registration Certificates with the Service Tax & VAT Authorities • Copy of purchase orders showing at least 5 years of operations 	
4.	<p>Average annual turnover documents.</p> <ul style="list-style-type: none"> • Extract of audited financial statements for the last three financial years (FY 2013-14, 2014-15 and 2015-16) <p>OR</p> <ul style="list-style-type: none"> • Certificate from the Statutory Auditor / Chartered Accountant. In case Chartered Accountant certificate is submitted the said certificate also need to be counter signed by Company Secretary of the bidder. 	
5.	Document for Network	
6.	<p>Experience in development Smart City component</p> <p>Case Study+ Copy of work order/Client Certificate + Completion/Phase completion Certificates from the client</p>	
7.	Valid CMMi level 3 or above Certificate	
8.	Declaration on Non Black Listing as per the format provided in this RFP	
9.	EMD of Rs. Fifty Lakhs only (Rs. 50,00,000/-).	

5.7. Form 6: Format to share Project Citation/Case study

General Information	
Name of the project	
Client for which the project was executed	
Name and contact details of the client	
Project Details	
Description of the project	
Scope of services	
Relevance to the current project	
Outcomes of the project	
Other Details	
Total cost of the project	
Total cost of the services provided by the Bidder	
Duration of the project (no. of months, start date, completion date, current status)	
Other Relevant Information	
Letter from the client to indicate the successful completion of the projects (if any)	
Copy of Work Order/Agreement/Client certificate	

5.8. Form 7: Format for Proposed Project Team

Name of Staff	Qualification	Experience	Area of Expertise	Position Assigned	Task Assigned	Time committed for the engagement

5.9. Form 8: Format for CVs

1	Proposed Position				
2	Name of Firm				
3	Name of Expert				
4	Date of Birth		Citizenship:		
5	Education				
6	Membership in Professional Associations (Professional Certifications)	•			
7	Countries Of Work Experience	•			
Language Skills (mark Excellent/Good/Average)		Language	Read	Write	Speak
		English			
		Hindi			
		<Add Language>			
8	Employment Records				
From:		To:			
Employer					
Position Held					
From:		To:			
Employer					
Position Held					
From:		To:			
Employer					
Position Held					
9	Work Undertaken That Best Illustrates Capability To Handle The Tasks Assigned				
<i>Project Name</i>					
<i>Year</i>					
<i>Location</i>					
<i>Client</i>					
<i>Main project Features</i>					
<i>Position Held</i>					

<i>Activities performed</i>		
Expert's contact information: e-mail: phone:		
<u>Certification:</u> I, the undersigned, certify that to the best of my knowledge and belief that <ul style="list-style-type: none"> • This CV correctly describes my qualifications and my experience • I was not part of the team who wrote the Scope of Work for this RFP. • I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged. 		
Name of Expert	Signature	Date

5.10. Form 9: Format for Specifying Compliance to the benchmark / minimum Specifications

Bidder is required to submit compliance to the required benchmark / minimum specifications for various IT / Non-IT components. Compliance tables for each of the line item against the benchmark specifications specified in the Annexure III, RFP (Volume II)

Name of Equipment:						
Sr. No	Parameter	Minimum Specification / Requirement mentioned in the RFP	Compliance (Yes / No)	Make & Model	Page No. of Datasheet / OEM Brochure attached	Remarks (If compliance is No)

5.11. Form 10: Format for Authorization Letters from OEMs

(This form has to be provided by the OEMs of the products proposed)

To:

<Location, Date>

Chief Executive Officer
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002
Phone-0771-2412500

Dear Sir:

Ref: Your RFP Ref: [*] dated [*]

We _____, (name and address of the manufacturer) who are established and reputed manufacturers of _____ having factories at _____ (addresses of manufacturing / development locations) do hereby authorize M/s _____ (name and address of the bidder) to bid, negotiate and conclude the contract with you against the above mentioned tender for the above equipment / software manufactured / developed by us.

We herewith certify that the above mentioned equipments / software products are not end of the life and we hereby undertake to support these equipment / software for the duration of minimum 6 years from the date of Submission of the Bid.

Yours faithfully,

(Name)

(Name of Producers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The Bidder in its Bid should include it.

5.12. Form 11: Roles and Responsibilities of MSI and Consortium Partners

To:

<Location, Date>

Chief Executive Officer
4th Floor, Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002
Phone-0771-2412500
Dear Sir,

Sub: Roles and Responsibilities details of Consortium

I/ We hereby declare the Track wise roles and responsibility of consortium including lead partner and members (if any are):

S. No.	Component/Track	Name of Organization (MSI or Consortium partner)
1.	Smart Governance	
2.	City Surveillance	
3.	Intelligent Transport Management System	
4.	Utility Management System for Electricity and Water	
5.	Command and Control Centre	
	Integrated Building Management System	
	Data Centre.	
6.	Smart Network	

I/ We would be responsible for ensuring that the work meets the requirements of the NRDA

Thanking you,

Yours faithfully

(Signature of the Authorized signatory of the Bidding Organisation)

Name :

Designation :

Date :

Time :

Seal :

Business Address:

5.13. Form 12: Format of Agreement between Bidder and their Parent company / Subsidiary/Sister Concern company (As the case may be)

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

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

WHEREAS

New Raipur Development Authority (hereinafter referred to as NRDA) has invited offers vide their tender No. _____ for _____ and

M/s. _____ (Bidder) intends to bid against the said tender and desires to have technical support of M/s. _____ [Parent Company/ Subsidiary/Sister Concern Company-(Delete whichever not applicable)] and whereas Parent Company/ Subsidiary/Sister Concern Company (Delete whichever not applicable) represents that they have gone through and understood the requirements of subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

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

1. M/s. _____ (Bidder) will submit an offer to NRDA for the full scope of work as envisaged in the tender document as a main bidder and liaise with NRDA directly for any clarifications etc. in this context.
2. M/s. _____ (Parent Company/ Subsidiary/Sister Concern Company (Delete whichever not applicable) undertakes to provide technical support, expertise and depute Manpower compulsorily during design and integration & testing phase for _____ <name of track> ___ to support the bidder to discharge its obligations as per the Scope of work of the tender / Contract for which offer has been made by the Parent Company/Subsidiary Company/Sister Concern (Delete whichever not applicable) and accepted by the bidder.
3. This agreement will remain valid till validity of bidder's offer to NRDA including extension if any and till satisfactory performance of the contract in the event the contract is awarded by NRDA to the bidder.
4. It is further agreed that for the performance of work during contract period bidder and Parent Company/Subsidiary/Sister Concern Company (Delete whichever not applicable) shall be jointly and severally responsible to NRDA for satisfactory execution of the contract.
5. However, the bidder shall have the overall responsibility of satisfactory execution of the contract awarded by NRDA.

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

For and on behalf of _____ (Bidder)	For and on behalf of _____
-------------------------------------	----------------------------

	(Parent/subsidiary/Sister Concern company)
Signature:	Signature:
Name:	Name:
Designation:	Designation:
Witness 1:	Witness 1:
Signature:	Signature:
Full name:	Full name:
Address:	Address:
Witness 2:	Witness 2:
Signature:	Signature:
Full name:	Full name:
Address:	Address:

5.14. Form 13: No Deviation Certificate

This is to certify that our offer is exactly in line with your tender enquiry/RFP (including amendments) no. _____ dated _____. This is to expressly certify that our offer contains no deviation either Technical or Commercial in either direct or indirect form.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

5.15. Form 14: Total Responsibility Declaration

This is to certify that I undertake the total responsibility for the defect free operation of the proposed solution as per the requirement of the RFP for the duration mentioned in all the volumes of the RFP.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

5.16. Form 15: Power of Attorney executed in favour of the Authorized signatory

It is clarified that the Bidder may submit the Power of Attorney in their own format clearly stating that the person is authorized to sign on behalf of the bidder. It is also clarified that the “Letter of Authorization” is to be read as “Power of Attorney”.

[To be executed on stamp paper of appropriate value]

Power of Attorney

Know all men by these presents, We, [Insert full legal name of the bidding entity], having registered office at [Insert registered office address] (hereinafter referred to as the "Principal") do hereby constitute, nominate, appoint and authorize [Insert full name of authorized signatory] son of [Insert father's name] presently residing at [Insert address of authorized signatory] who is presently employed with us and holding the position of [Insert position / designation of the authorized signatory] as our true and lawful attorney (hereinafter referred to as the "Authorized Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to the submission of our proposal in response to the RFP bearing number _____ for '<RFP Name>' dated _____, including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in pre-Bid and other conferences and providing information/ responses to the Naya Raipur Development Authority (hereinafter referred to as the "NRDA"), representing us in all matters before the NRDA, signing and execution of all contracts and undertakings/declarations consequent to acceptance of our Proposal and generally dealing with the NRDA in all matters in connection with or relating to or arising out of our Proposal for the said assignment and/or upon award thereof to us till the execution of appropriate Agreement/s with the NRDA.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorized Attorney pursuant to and in exercise of the powers conferred by this deed of Power of Attorney and that all acts, deeds and things done by our said Authorized Attorney in exercise of the powers hereby conferred 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, 2016

For _____

(Signature, name, designation and address)

[Please put company seal if required]

[Notarize the signatures]

Witnesses:

1.

(Signature, name, designation and address)

2.

(Signature, name, designation and address)

Accepted by:

(Signature, name, designation and address of the Authorized Attorney)

[Notarize the signatures]

5.17. Form 16: Format for Power of Attorney for Lead Member of consortium

(To be executed by all members of the Consortium)

Whereas the Naya Raipur Development Authority (the “Authority”) has invited proposals from applicants for <RFP Name>, (the “Project”).

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

Whereas, it is necessary for the Members of the Consortium to designate one of them as the Member in-charge 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 authorise M/s [name of Member In-charge], having its registered office at [registered address], being one of the Members of the Consortium, as the Member In-charge and true and lawful attorney of the Consortium (hereinafter referred to as the “Attorney”) and hereby irrevocably authorise 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 Authority, 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 Project and/ or upon award thereof until the Contract is entered into with the Authority.

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 MEMBER IN-CHARGE by:

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of SECOND PART by:

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of THIRD by:

[Signature]

[Name]

[Designation]

[Address]

In presence of:

[Signature, name and address of witness]

[Signature, name and address of witness]

Notes:

1. 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.
2. 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.
3. 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 apostolic certificate.

4. In case of consortium, above Performa to be submitted for each consortium member.

5.18. Form 17: Parent company / subsidiary/Sister Concern company Guarantee (Delete whichever not applicable)

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

DEED OF GUARANTEE

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

WHEREAS

- A. New Raipur Development Authority, a statutory body under _____, having its Registered Office at _____, hereinafter called “NRDA” which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number for on
- B. M/s (mention complete name), a company duly organized and existing under the laws of (insert jurisdiction/country), having its Registered Office at (give complete address) hereinafter called “the Company” which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by NRDA, submitted their bid number to NRDA with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by NRDA at any stage.
- C. The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.
- D. The Company and the Guarantor have entered into an agreement dated as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the said tender.
- E. Accordingly, at the request of the Company and in consideration of and as a requirement for NRDA to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:
 1. The Guarantor (Parent Company / Subsidiary/Sister Concern Company (Delete whichever not applicable) unconditionally agrees that in case of non-performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by NRDA, take up the job without any demur or objection, in continuation and without loss of time and without any cost to NRDA and duly perform the obligations of the Company to the satisfaction of NRDA.
 2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.

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

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

Signature: _____

Name: _____

Designation: _____

Common seal of the guarantor company:

Witness 1:

Signature: _____

Full Name: _____

Address: _____

Witness 2:

Signature: _____

Full Name: _____

Address: _____

INSTRUCTIONS FOR FURNISHING PARENT/SUBSIDIARY/SISTER CONCERN COMPANY GUARANTEE

1. Guarantee should be executed on stamp paper of requisite value and notarised.

-
2. The official(s) executing the guarantee should affix full signature (s) on each page.
 3. Resolution passed by Board of Directors of the guarantor company authorizing the signatory (ies) to execute the guarantee, duly certified by the Company Secretary should be furnished alongwith the Guarantee.
 4. Following certificate issued by Company Secretary of the guarantor company should also be enclosed alongwith the Guarantee.
“Obligation contained in the deed of guarantee No. _____ furnished against tender No. _____ are enforceable against the guarantor company and the same do not, in any way, contravene any law of the country of which the guarantor company is the subject”

6. Annexure 2 – Format of Commercial Bid

6.1. General Instructions

- a. Bidder should provide all prices as per the prescribed format under this Annexure.
- b. All the prices are to be entered in Indian Rupees ONLY
- c. Prices indicated in the schedules shall be inclusive of all taxes, Levies, duties etc. The prices should also specify five year support cost as per provided formats.
- d. NRDA, reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.
- e. NRDA, shall take into account overall cost including all Taxes, Duties & Levies for the purpose of Evaluation.
- f. The Bidder needs to account for all Out of Pocket expenses due to Boarding, Lodging and other related items.
- g. The Unit Rate as mentioned in the following formats may be used for the purpose of 'Change Order' for respective items, if any. However, based on the market trends, NRDA, retains the right to negotiate this rate for future requirement
- h. Bidder shall be bound to give same or more % of discount on the list price of the OEMs on the future purchases (additional purchases within the contract period) by NRDA. Bidder shall ensure that the future products supplied are of latest specifications as per the OEM roadmap.
- i. For the purpose of evaluation of Commercial Bids, NRDA shall make appropriate assumptions to arrive at a common bid price for all the Bidders. This however shall have no co-relation with the Contract value or actual payment to be made to the Bidder.
- j. NRDA also intends to utilize various rates obtained through this tender for requirements across various departments. Bidders are requested to factor this larger demand and give the best possible rate to NRDA.
- k. Bidder should refer Volume II of the RFP for details on the functional and technical requirements of the system and the benchmark specifications for the items mentioned in the Commercial formats.
- l. Bidders must carefully read the Scope, Technical & Functional Requirements and the SLAs mentioned in Volume II of this RFP and accordingly propose the software, hardware, accessories and services and their respective quantities required to completely meet the requirements of this RFP. To meet the requirements of this RFP, no request for Change Order shall be entertained. However, for the convenience of bidders, the detailed component break-up sheets for hardware, software and software have been pre-filled with item names.
- m. Bidders may add, delete items and increase, decrease quantities of items based on the solution proposed to fully comply with the RFP requirements. However, if any item is deleted or any

quantity is reduced, then justification for doing so needs to be provided in the 'Remarks Column' of the table.

6.2. Form 18: Commercial Bid Letter

To:

<Location, Date>

The CEO
Naya Raipur Development Authority
Paryavas Bhavan, North Block, Sector- 19,
Naya Raipur, 492002 (C.G.)

Subject: Submission of the response to the RFP No <> dated <>

Dear Sir,

We, the undersigned Bidder, having read and examined in detail all the Tender documents in respect of **Selection of Master System Integrator for Naya Raipur Smart City System** do hereby propose to provide services as specified in the Tender document number 112/SMARTCITY/CE(E)/NRDA/2016-17, Naya Raipur, Dated: 06-10-2016

1. PRICE AND VALIDITY

- All the prices mentioned in our Tender are in accordance with the terms as specified in the Tender documents. All the prices and other terms and conditions of this Tender are valid for a period of 180 calendar days from the date of opening of the Tenders.
- We hereby confirm that our Tender prices include all taxes.
- We have studied the clause relating to Indian Income Tax and hereby declare that if any income tax, surcharge on Income Tax, Professional and any other corporate Tax in altered under the law, we shall pay the same.

2. UNIT RATES

We have indicated in the relevant schedules enclosed, the unit rates for the purpose of on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.

3. DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the RFP documents and there are no deviations except for those mentioned in Pre-Qualification Envelope, irrespective of whatever has been stated to the contrary anywhere else in our bid.

Further we agree that additional conditions, if any, found in our bid documents, other than those stated in the deviation schedule in Pre-Qualification Envelope, shall not be given effect to.

4. QUALIFYING DATA

We confirm having submitted the information as required by you in your Instruction to Bidders. In case you require any other further information/documentary proof in this regard before evaluation of our Tender, we agree to furnish the same in time to your satisfaction.

5. BID PRICE

We declare that our Bid Price is for the entire scope of the work as specified in the RFP documents. These prices are indicated in the subsequent sub-sections of this Section.

6. CONTRACT PERFORMANCE GUARANTEE BOND

We hereby declare that in case the contract is awarded to us, we shall submit the contract Performance Bank Guarantee in the form prescribed in the RFP.

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

We understand that our Tender is binding on us and that you are not bound to accept a Tender you receive. We confirm that no Technical deviations are attached here with this commercial offer.

Thanking you,

Yours faithfully,

(Signature of the Bidder)

Name

Designation

Seal.

Date:

Place:

Business Address:

Note: This letter to be submitted by prime bidder in case of consortium.

6.3. Form 19: Commercial Bid Format

6.3.1. Summary of Project Cost

S.No	Track/Component	Capital Cost (A)	Operational Cost (B)	Total Cost (Inclusive of all taxes) (A+B)
I.	Smart Governance			
II.	City Surveillance			
III.	Utility Management System			
IV.	Intelligent Transport System			
V.	Command and Control Centre			
VI.	Integrated Building Management System			
VII.	Data Centre			
VIII.	Smart Network			
IX.	Manpower for Implementation Phase		Do Not Fill	
X.	Manpower for Operational Phase	Do Not Fill		
	TOTAL			

Total Cost of Bid shall be defined as the sum total of Total Capital Cost and Total Operational Cost

A. Capital Cost Summary					
S.No	Track/Component	Hardware Cost	Software Cost	Implementation Services	Total Cost (Inclusive of all taxes)
I.	Smart Governance	Do not fill			
II.	City Surveillance				
III.	Utility Management System				
IV.	Intelligent Transport System				
V.	Command and Control Centre				
VI.	Integrated Building Management System				
VII.	Data Centre				
VIII.	Smart Network				
IX.	Manpower for Implementation Phase	Do not fill	Do not fill		
Total Capital Cost					

B. Operational Cost Breakup					
S.No	Track/Component	Software AMC	Hardware ATS	Manpower Services	Total Cost (Inclusive of all taxes)
I.	Smart Governance			Do not fill	
II.	City Surveillance				
III.	Utility Management System				
IV.	Intelligent Transport System				
V.	Command and Control Centre				
VI.	Integrated Building Management System				
VII.	Data Centre				
VIII.	Smart Network				
IX.	Manpower Services for Operational Phase	Do not fill	Do not fill		
Total Operational Cost					

6.3.2. Capital Cost Breakup

6.3.2.1. Smart Governance Track Cost Details

Smart Governance – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Portal				
2.	Document Management System				
3.	Business Process Management / Workflow Engine				
4.	Enterprise Service Bus				
5.	Database				
6.	Application Server				
7.	Mobile Application platform				
8.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

Smart Governance – Implementation Services Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Land & Estate Management			
2.	Asset Management			
3.	Layout & Building Permission Management			
4.	Rehabilitation management			
5.	Water / sewerage (Utility) Connection & Billing			
6.	Property Tax System			
7.	Licensing Module			
8.	Integration with other service			
9.	HRMS & Payroll			
10.	Finance Management			
11.	City Portal			
12.	Mobile Applications			
13.	MIS & Dashboard			
14.	Data entry (15 fields in each record)	2000		
15.	Data Scanning (A4/A3 Size Pages)	2000		
16.	Training	120		
17.	Any other application			
TOTAL				

6.3.2.2. City Surveillance Track Cost Details

City Surveillance – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Outdoor fixed Box Cameras	20		
2.	Outdoor PTZ Cameras	9		
3.	IR Illuminators	29		
4.	Poles for Cameras and Equipment and signage	15		
5.	Network Switch	15		
6.	UPS with Battery	9		
7.	Any other equipment			
TOTAL				

City Surveillance – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Video Management System	1			
2.	Video Analytics	1			

City Surveillance – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
3.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

City Surveillance – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Field Equipment Implementation Services			
2.	Data Center Equipment Implementation Services			
3.	Software Implementation Services			
4.	Any other service			
TOTAL				

6.3.2.3. Utility Management System Track Cost Details

Utility Management System – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	RTU / Data Concentrator Panel for 33/11KV SS (in set)	5		
2.	FRTU Panel Mounted on RMUs (in set)	20		
3.	RTU @ Intake Location (in set)	1		
4.	PLC @ 52MLD Water Treatment Plant with 9 filter beds on filter bed locations (in set)	1		
5.	RTUs @ UGRs locations. (in set)	9		
6.	Modem for GPRS Connection			
7.	AMR Water Meters for domestic consumers	200		
8.	Hand Held Unit for meter reading	2		
9.	Motorization of 11 KV, 3 function (2 LBS+ 1 CBR) RMU's.	20		
10.	Motorization of 33 KV, 3 function (2 LBS+ 1 CBR) RMU's	5		
11.	Remote I/O Panels			
12.	UPS with Battery			
13.	Network Switches			
14.	Necessary instrumentation for monitoring and control of Raw Water Pumping Main (Approx			

Utility Management System – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
	21kms) including integration of existing isolation valves, scour valves, water meters etc. with SCADA System (in set)			
15.	Necessary instrumentation for monitoring and control of Clear Water Gravity Main (Approx 51kms) including integration of existing isolation valves, scour valves, water meters etc. with SCADA System (in set)			
16.	Necessary instrumentation (like water meters, level transmitters, electrically actuated flow control valves etc.) at each UGR (in set)			
17.	Necessary instrumentation at WTP at Pacheda Village (in set)			
18.	Necessary instrumentation at Intake Well (in set)			
19.	Any other equipment			
TOTAL				

Utility Management System – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Electrical SCADA System	1			
2.	Electrical Distribution Management System and Outage Management System	1			
3.	Water SCADA System	1			
4.	Smart Metering Software	1			
5.	Water Management & Leak Detection System	1			
6.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

Utility Management System – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Motorization of 11 KV, 3 function (2 LBS+ 1 CBR) RMU's.	20		
2.	Motorization of 33 KV, 3 function (2 LBS+ 1 CBR) RMU's	5		
3.	Internal hardwiring including control &	5		

Utility Management System – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
	instrumentation cables between 11 kV panels, 33 kV Panels, RMU and Other Substation devices & Data Concentrator/RTU Panel.			
4.	Internal hardwiring including control & instrumentation cables between UGR / WTP equipment to RTU Panel.	10		
5.	Implementation Services for Electrical SCADA System	1		
6.	Implementation Services for Electrical Distribution Management System and Outage Management System	1		
7.	Implementation Services for Water SCADA System	1		
8.	Implementation Services for Smart Metering Software	1		
9.	Implementation Services for Water Management & Leak Detection	1		
10.	Any other service			
TOTAL				

6.3.2.4. Intelligent Transport Management System Track Cost Details

ITMS – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Speed Detection Devices	10		
2.	ANPR cameras	42		
3.	Network Switch	10		
4.	UPS with Battery	10		
5.	Any other equipment			
TOTAL				

ITMS – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Speed Violation Detection and Enforcement system				
2.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

ITMS – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Field Equipment Implementation Services			
2.	Data Center Equipment Implementation Services			
3.	Implementation Services for Speed Violation Detection and Enforcement system			
4.	Integration with BRTS			
5.	Any other service			
TOTAL				

6.3.2.5. Command and Control Centre Track Cost Details

Command and Control Center – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Video Wall Cubes	6		
2.	Video wall controller	1		
3.	Audio Mixer and speaker system	1		
4.	Multi-Function Laser Printer	1		

Command and Control Center – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
5.	Operator Workstations -Dual Monitor	6		
6.	Manager Workstation	1		
7.	Contact centre/Help Desk team workstations	3		
8.	Technical Support team workstations	4		
9.	NOC team workstations	2		
10.	Security Room Workstations	1		
11.	Digital Set top boxes	1		
12.	Television Set	1		
13.	Projector	1		
14.	IP PABX System	1		
15.	Digital Phones and Headphones for Contact centre operators	3		
16.	PRI Modem pair	2		
17.	SMS Gateway modem	1		
18.	UPS with Battery (for 2380 Sqft Area and additional 10KVA for corridor area)	Please Specify		
19.	Public Address System	1		
20.	Video Conferencing software and solution	1		
21.	Video Cameras and Microphone	1		
22.	Furniture for Command & Control Centre			

Command and Control Center – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
	(provide breakup) <ul style="list-style-type: none"> • 22 Seats for Technical Team • 10 Seats for CCC Operator • 3 Seats for NoC Operator • 2 Seats for BMS operator • 5 Helpdesk Operator • 12 seat Conference table and chair • 6 Seat Meeting Table and chair 			
23.	LAN cabling for Operation room (CCTV/Video Wall monitoring), Office Staff room, meeting room, conference room.	Please specify		
24.	Water leak Detection System			
25.	Fire Detection & alarm System			
26.	Rodent Repellent System			
27.	Access control system (for Command Centre room, Data/Backup room and Emergency Exit Door)	3		
28.	Gas suppression system			
29.	Any other equipment			
TOTAL				

Command and Control Center – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Video wall management software	1			
2.	Audio Mixer and speaker system	1			
3.	Command and Control Application (CCA)	1			
4.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

Command and Control Center – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Implementation of Video Wall			
2.	Implementation of Command and Control Application (CCA)			
3.	Furniture Fitting Work			
4.	LAN cabling			
5.	Implementation service for Water leak Detection System			

Command and Control Center – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
6.	Implementation service for Fire Detection & alarm System			
7.	Implementation service for Rodent Repellent System			
8.	Implementation service for Access control system			
9.	Implementation service for Gas Suppression system			
10.	Implementation Services for Hardware and equipment			
11.	Development of SOPs			
12.	Integration with Utilities Management			
13.	Integration with Smart Governance Dashboards / Applications			
14.	Integration with ITMS			
15.	Integration with City Surveillance including BRTS Surveillance			
16.	Integration with Smart Network			
17.	Integration with Enterprise & Network Management Systems			
18.	Integration with Building Management System			
19.	Any other service			
TOTAL				

6.3.2.6. Integrated Building management System (IBMS) cost detail

IBMS – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Workstation (with required software)	2		
2.	Portable Operator Unit	1		
3.	DDC Panels (Controllers with enclosures and required power supply unit, etc)			
4.	System Integration Units consisting of Gateways, Interface units			
5.	Vandal proof, lockable & secure MS powder coated cabinets			
6.	Integrators for following 3rd party soft integration points along with enclosures, power supply units, etc. as required) <ul style="list-style-type: none"> • Integrator- for Load Manager/ Energy meter • Integrator- DG-modbus • Integrator- for UPS- modbus • Integrator- for Lift- modbus • Integrator- for vfd 			
7.	Water Hardness Analyser	1		
8.	Outside Temp & Rh sensor	1		
9.	TDS Meter	1		
10.	Hi/Low level switch for CT	1		

IBMS – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
11.	Air Differential Pressure switch for fans & AHU Filter Status monitoring	174		
12.	Duct Temperature sensor in supply & return path of Duct	66		
13.	Duct Static Pressure sensor	34		
14.	Air Velocity sensor - Single points	34		
15.	4 Door Reader access controller with TCPIP connectivity.	6		
16.	Laser Printer	1		
17.	Smartcard/ Biometric Fingerprint Reader	2		
18.	Electromagnetic Door Lock	16		
19.	Break Glass type emergency release switch.	6		
20.	Cables & Conduit with necessary support structure, saddles, cable ties, etc.			
21.	Fixed Dome Cameras for Indoor Surveillance for paryavaas Bhawan (25 camera) and command and control centre (2 camera)	27		
22.	Fixed Box IR Cameras for Indoor Surveillance	12		
23.	Outdoor PTZ Camera	2		
24.	6 Core Single Mode Armored Fiber Cable			
25.	Network Switch			

IBMS – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
26.	UPS with Battery			
27.	DFMD	4		
28.	HHMD	4		
29.	Boom Barrier - with long range reader and 100 RFID tag	2		
30.	Any other equipment			
TOTAL				

IBMS – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Building Automation System Graphic licensed Software supporting minimum 2000 software points				
2.	Access Control Software				
3.	Visitor Management Software				
4.	Camera Licenses				

IBMS – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
5.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

IBMS – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Implementation Services for equipment installation			
2.	Software Implementation Services			
3.	Any other service			
TOTAL				

6.3.2.7. Data Center Centre Track Cost Details

Data Center – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Servers	Please Specify		
2.	Blade Chassis	Please Specify		
3.	Storage	Please Specify		
4.	SAN Switch	Please Specify		
5.	Internal Fire wall	Please Specify		
6.	Server Load Balancer	Please Specify		
7.	Rack with KVM over IP	Please Specify		
8.	Secondary Storage	Please Specify		
9.	Any other equipment			
TOTAL				

Data Center – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Server Operating System				
2.	Storage Replication (Backup) Software				
3.	Virtualization software				
4.	Disaster Recovery Management software				
5.	Enterprise Management System (with application & network monitoring)				
6.	Helpdesk Tool				
7.	SLA Monitoring Tool				
8.	User Authentication and Access Management				
9.	SSL Certificates				
10.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

Data Center – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Hardware & Equipment Implementation Services			
2.	Software Implementation Services			
3.	Any other service			
TOTAL				

6.3.2.8. Smart Network Track (including Passive Network Connectivity for other tracks) Cost Details

Smart Network – Hardware Cost Breakup				
S.No	Item with Make and Model	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Distribution fibre (12 core)			
2.	CAT 6 Armoured (Steel Tape) FTP Solid Cable Box			
3.	1 Meter Dual Ended Mounting IP 67 Rated Outdoor Cat6 patch Cord			
4.	2 Meter Dual Ended Mounting IP 67 Rated Outdoor Cat6 patch Cord			
5.	Single port Cat 6 IP 67 Rated Outdoor Box and Face plate			
6.	Outdoor Rated Street Cabinet			
7.	1U Horizontal cable manager			
8.	24 Port, Cat 6 FTP 0.5U Jack Panel (Loaded)			
9.	Any other equipment			
TOTAL				

Smart Network – Software Cost Breakup					
S.No	Item with Make and Model	Units (A)	License Policy	Per Unit Cost (inclusive of all taxes) (B)	Total Cost (inclusive of all taxes) (C=A*B)
1.	Any other License / Commercial Off the Shelf Solution				
TOTAL					

Smart Network – Implementation Services Cost Breakup				
S.No	Item	Units (A)	Per Unit Cost inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Passive Network Implementation Services			
2.	Any other service			
TOTAL				

6.3.2.9. Manpower for Implementation Phase

Manpower for Implementation Phase					
S.No	Resource	Unit (A)	Man-Months (B)	Man-month Rate inclusive of Taxes (C)	Total Cost inclusive of Taxes (D=A*B*C)
1.	Program Manager	1	4.8		
2.	Citizen services/Municipal Domain expert	1	3.6		
3.	Solution Architect	1	3.6		
4.	Project Manager-Software	1	4.8		
5.	Project Manager – Infrastructure	1	4.8		
6.	Database Architect/DBA	1	4.8		
7.	Security Expert	1	3.6		
8.	Mobile App development Expert	1	4.8		
9.	Business Analyst	2	6		
10.	Quality Assurance/Testing	2	6		
11.	Surveillance Expert	1	2.4		
12.	Water SCADA expert	1	3.6		
13.	Electrical SCADA expert	1	3.6		
14.	ITMS Expert	1	2.4		
15.	Command Centre Expert	1	3.6		
16.	IBMS expert	1	3		
17.	Any Other Manpower				

Manpower for Implementation Phase					
S.No	Resource	Unit (A)	Man-Months (B)	Man-month Rate inclusive of Taxes (C)	Total Cost inclusive of Taxes (D=A*B*C)
TOTAL					

6.3.3. Operational Cost

6.3.3.1. Smart Governance Track Cost Details

Smart Governance – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Content Management System			
2.	Document Management System			
3.	Business Process Management / Workflow Engine			
4.	Enterprise Service Bus			
5.	Database			
6.	Application Server			
7.	Mobile Application platform			
8.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.2. City Surveillance Track Cost Details

City Surveillance – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total Cost inclusive of all taxes (C=A*B)
1.	Outdoor fixed Box Cameras	20		
2.	Outdoor PTZ Cameras	9		
3.	IR Illuminators	29		
4.	Poles for Cameras and Equipment and signage	15		
5.	Network Switch	15		
6.	UPS with Battery	9		
7.	Any other equipment			
TOTAL				

City Surveillance – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Video Management System	1		
1.	Video Analytics	1		

City Surveillance – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
2.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.3. Utility Management System Track Cost Details

Utility Management System – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	RTU / Data Concentrator Panel for 33/11KV SS	5		
2.	FRTU Panel Mounted on RMUs	20		
3.	RTU @ Intake Location	1		
4.	PLC @ 52MLD Water Treatment Plant with 9 filter beds on filter bed locations	1		
5.	RTUs @ UGRs locations.	9		
6.	Modem for GPRS Connection			
7.	AMR Water Meters for domestic consumers	200		
8.	Hand Held Unit for meter reading	2		

Utility Management System – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
9.	Motorization of 11 KV, 3 function (2 LBS+ 1 CBR) RMU's.	20		
10.	Motorization of 33 KV, 3 function (2 LBS+ 1 CBR) RMU's	5		
11.	Remote I/O Panels			
12.	UPS with Battery			
13.	Network Switch			
14.	Necessary instrumentation for monitoring and control of Raw Water Pumping Main (Approx 21kms) including integration of existing isolation valves, scour valves, water meters etc. with SCADA System			
15.	Necessary instrumentation for monitoring and control of Clear Water Gravity Main (Approx 51kms) including integration of existing isolation valves, scour valves, water meters etc. with SCADA System			
16.	Necessary instrumentation (like water meters, level transmitters, electrically actuated flow control valves etc.) at each UGR			
17.	Necessary instrumentation at WTP at Pacheda Village			
18.	Necessary instrumentation at Intake Well			
19.	Any other equipment			

Utility Management System – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
TOTAL				

Utility Management System – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Electrical SCADA System	1		
2.	Electrical Distribution Management System and Outage Management System	1		
3.	Water SCADA System	1		
4.	Smart Metering Software	1		
5.	Water Management & Leak Detection System	1		
6.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.4. Intelligent Transport Management System Track Cost Details

ITMS – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	Speed Detection Devices	10		
2.	ANPR cameras	42		
3.	Network switch	10		
4.	UPS with Battery	10		
5.	Any other equipment			
TOTAL				

ITMS – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Speed Violation Detection and Enforcement system			
2.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.5. Command and Control Centre Track Cost Details

Command and Control Center – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	Video Wall Cubes	6		
2.	Video wall controller	1		
3.	Audio Mixer and speaker system	1		
4.	Multi-Function Laser Printer	1		
5.	Operator Workstations -Dual Monitor	6		
6.	Manager Workstation	1		
7.	Contact centre/Help Desk team workstations	3		

Command and Control Center – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
8.	Technical Support team workstations	4		
9.	NOC team workstations	2		
10.	Security Room Workstations	1		
11.	Digital Set top boxes	1		
12.	Television Set	1		
13.	Projector	1		
14.	IP PABX System	1		
15.	Digital Phones and Headphones for Contact centre operators	3		
16.	PRI Modem pair	2		
17.	SMS Gateway modem	1		
18.	UPS with Battery	Please Specify		
19.	LAN Cable	Please Specify		
20.	Public Address System	1		
21.	Video Conferencing software and solution	1		
22.	Video Cameras and Microphone	1		
23.	Furniture for Command & Control Centre (provide breakup) <ul style="list-style-type: none"> • 22 Seats for Technical Team • 10 Seats for CCC Operator • 3 Seats for NoC Operator 			

Command and Control Center – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
	<ul style="list-style-type: none"> • 2 Seats for BMS operator • 5 Helpdesk Operator • 12 seat Conference table and chair • 6 Seat Meeting Table and chair 			
24.	Water leak Detection System			
25.	Fire Detection & alarm System			
26.	Rodent Repellent System			
27.	Access control system (for Command Centre room, Data/Backup room and Emergency Exit Door)	3		
28.	Gas Suppression system			
29.	Any other equipment			
TOTAL				

Command and Control Center – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Video wall management software	1		
2.	Audio Mixer and speaker system	1		
3.	Command and Control Centre Application (CCA)	1		
4.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.6. *Integrated Building management System (IBMS) cost detail*

IBMS – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	Workstation (with software)	2		
2.	Portable Operator Unit	1		
3.	DDC Panels (Controllers with enclosures and required power supply unit, etc.)			

IBMS – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
4.	System Integration Units consisting of Gateways, Interface units			
5.	Vandal proof, lockable & secure MS powder coated cabinets			
6.	Integrators for following 3rd party soft integration points along with enclosures, power supply units, etc. as required) <ul style="list-style-type: none"> • Integrator- for Load Manager/ Energy meter • Integrator- DG-modbus • Integrator- for UPS- modbus • Integrator- for Lift- modbus • Integrator- for vfd 			
7.	Water Hardness Analyser	1		
8.	Outside Temp & Rh sensor	1		
9.	TDS Meter	1		
10.	Hi/Low level switch for CT	1		
11.	Air Differential Pressure switch for fans & AHU Filter Status monitoring	174		
12.	Duct Temperature sensor in supply & return path of Duct	66		
13.	Duct Static Pressure sensor	34		
14.	Air Velocity sensor - Single points	34		

IBMS – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
15.	Reader access controller with TCP/IP connectivity.	6		
16.	Laser Printer	1		
17.	Smart Card/ Biometric Fingerprint Reader	2		
18.	Electromagnetic Door Lock	16		
19.	Break Glass type emergency release switch.	6		
20.	Cables & Conduit with necessary support structure, saddles, cable ties, etc.			
21.	Fixed Dome Cameras for Indoor Surveillance for paryavaas Bhawan (25 camera) and command and control centre (2 camera)	27		
22.	Fixed Box IR Cameras for Indoor Surveillance	12		
23.	Outdoor PTZ Camera	2		
24.	6 Core Single Mode Armored Fibre Cable			
25.	Network Switch	2		
26.	UPS with Battery			
27.	DFMD	4		
28.	HHMD	4		
29.	Boom Barrier - with long range reader and 100 RFID tag	6		
30.	Any other equipment			

IBMS – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
TOTAL				

IBMS – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Building Automation System Graphic licensed Software supporting minimum 2000 software points			
2.	Access Control Software			
3.	Visitor Management Software			
4.	Camera Licenses			
5.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.7. Data Center Centre Track Cost Details

Data Center – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	Servers	Please Specify		
2.	Blade Chassis	Please Specify		
3.	Storage	Please Specify		
4.	SAN Switch	Please Specify		
5.	Internal Fire wall	Please Specify		
6.	Server Load Balancer	Please Specify		
7.	Rack with KVM over IP	Please Specify		
8.	Secondary Storage	Please Specify		
9.	Any other equipment			
TOTAL				

Data Center – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Server Operating System			
2.	Storage Replication (backup)Software			
3.	Virtualization software			
4.	Disaster Recovery Management software			
5.	Enterprise Management System (with application & network monitoring)			
6.	Helpdesk Tool			
7.	SLA Monitoring Tool			
8.	User Authentication and Access Management			
9.	SSL Certificates			
10.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.8. Smart Network Track (including Passive Network Connectivity for other tracks) Cost Details

Smart Network – ATS for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit ATS inclusive of all taxes (B)	Total ATS for 5 years inclusive of all taxes (C=A*B)
1.	Distribution fibre (12 core)			
2.	CAT 6 Armoured (Steel Tape) FTP Solid Cable Box			
3.	1 Meter Dual Ended Mounting IP 67 Rated Outdoor Cat6 patch Cord			
4.	2 Meter Dual Ended Mounting IP 67 Rated Outdoor Cat6 patch Cord			
5.	Single port Cat 6 IP 67 Rated Outdoor Box and Face plate			
6.	Outdoor Rated Street Cabinet			
7.	1U Horizontal cable manager			
8.	24 Port, Cat 6 FTP 0.5U Jack Panel (Loaded)			
9.	Any other equipment			
TOTAL				

Smart Network – AMC for 5 years				
S.No	Item with Make and Model	Units (A)	Per Unit AMC (inclusive of all taxes) (B)	Total AMC for 5 years (inclusive of all taxes) (C=A*B)
1.	Any other License / Commercial Off the Shelf Solution			
TOTAL				

6.3.3.9. Manpower services for Operational Phase

Manpower services during O&M Phase of 5 years					
S.No	Resource	Units (A)	Man-Months (B)	Man-month Rate inclusive of all taxes (C)	Total Cost inclusive of all taxes for 5 years (C=A*B*C)
1.	Program Manager	1	60		
2.	Project Manager-Software	1	60		
3.	Project Manager – Infrastructure	1	60		
4.	Database Architect/DBA	1	60		
5.	Mobile App development Expert	1	60		
6.	Business Analyst	2	30		
7.	Quality Assurance/Testing	2	30		
8.	Command Centre Expert	1	60		

Manpower services during O&M Phase of 5 years					
S.No	Resource	Units (A)	Man-Months (B)	Man-month Rate inclusive of all taxes (C)	Total Cost inclusive of all taxes for 5 years (C=A *B*C)
9.	Help Desk team Member	3	60		
10.	Technical Support Team Member	4	60		
11.	CCC Operator	6	60		
12.	NoC Operator	3	60		
13.	BMS Operator	3	60		
14.	GIS layer Updation team member	1	60		
15.	Any other manpower				
TOTAL					

Note:

1. The quoted per unit cost shall be valid for the entire Term of the Contract.
2. The operating cost of Electrical power, Telephone/PRI line, SMS will be directly borne by NRDA.
3. The MSI/bidder have to ensure that their financial proposal is structured in such a way that the Capital Cost quoted in the project does not exceed 60% of total costs of the project. In case the bidder quotes higher figures towards capital costs the same shall be restricted to 60% while making payments towards Capex. Any value quoted towards Capex over and above 60% limit will be paid in equal quarterly installments for next five years along with quarterly payment for each quarter.
4. NRDA may give increase or decrease Total Contract value by 25%. However, Individual Item order can be increase or decrease upto 100%. NRDA may give additional order for any of the expenditure item in one of more instances.
5. Due to non availability of incumbent data (Historical data) and low population, the Electrical Distribution Management System & Outage Management System, and Water Management & Leak Detection System will not be implemented immediately but will be implemented later as per decision of NRDA. The price quoted for Implementation Services for Electrical Distribution Management System and Outage Management System, and Implementation

Services for Water Management & Leak Detection System (sr no 6 and 9 under Utility Management System – Implementation Services Cost Breakup) will be considered for bid evaluation and price will be valid for project tenure from the date of submission of bid. Bidder will be liable to implement these Applications/software at the quoted or actual invoice price which ever is less.

7. Annexure 3 –Other Formats

7.1. Format for Performance Bank Guarantee

(On Rs.100/- (Rupees hundred only) Stamp Paper from a Nationalised Bank /Scheduled Commercial Bank and operatable in Raipur, Chhattisgarh only)

To,
Naya Raipur Development Authority
Paryavaas Bhawan, North Block,
Sector 19, Naya Raipur
PIN-492002,
Chhattisgarh

1. In consideration of the Naya Raipur Development Authority of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhiniyam - 1973 (No. 23, Year 1973), having its registered office at Paryavaas Bhawan, North Block, Sector 19, Naya Raipur, PIN-492002 (C.G.), Chhattisgarh (hereinafter called "NRDA" which expression shall unless repugnant to the subject or context include its successor and assigns) having agreed under the terms and conditions of Contract awarded to _____ (hereinafter called "the Contractor" which expression shall unless repugnant to the subject or context include his heirs, executors administrators and assigns/its successors and assigns) and the NRDA in connection with _____ (hereinafter called "the Said Contract") to accept a Performance Bank Guarantee as herein provided for Rs. _____ from a Nationalised Bank/Scheduled Commercial Bank and operatable in Raipur, Chhattisgarh in lieu of the Performance security deposit to be paid for the due fulfillment by the Contractor as per the terms and conditions contained in the said Contract, We the Bank _____ constituted and established under the Banking Companies Acquisition and Transfer of Undertaking Act 1970 (hereinafter referred to as "the said Bank") and having our Head Office at _____ at the request of Contractor do hereby undertake to pay to the NRDA an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the NRDA by reason of breach or breaches by the said Contractor(s) of any of the terms and conditions contained in the said agreement, and to unconditionally pay the amount claimed by the NRDA on demand and without demur to the extent expressed.
2. We _____ (name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NRDA stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NRDA by reason of breach by the said contractor of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.
3. We ----- (name of Bank) further agree that the Chief Executive Officer, NRDA shall be the sole judge of and as to whether the contractor has committed any breach or

breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRDA on account thereof and the decision of the Chief Executive Officer, NRDA that the Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRDA from time to time shall be final and binding on us'.

4. We undertake to pay to the Chief Executive Officer, NRDA any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ supplier in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this security bond shall be a valid discharge of our liability for payment there under and the contractor /supplier shall have no claim against us for making such payment.
5. We, _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the NRDA under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Chief Executive Officer, NRDA certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.
6. We _____ (indicate the name of the Bank) further agree with the Chief Executive Officer, NRDA shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition of the said Agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the NRDA against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or commission on the part of the NRDA or any indulgence by the NRDA to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provisions have effect of so relieving us.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor/ Supplier(s).
8. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the NRDA in writing.
9. This guarantee is valid till _____ unless a suitable action to enforce the claim under this guarantee is made within 6 (six) months from _____ all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.
10. The Bank Guarantee Number _____ dated _____ shall be operative at Raipur and if invoked, be encashable at _____.

Dated this _____ day of _____ 20__ for
and on behalf of the Bank

The above Guarantee is accepted by the NRDA.

For and on behalf of the NRDA

Dated: _____

(Name and Designation)

7.2. Change Control Note Format

Change Control Note		CCN Number:
Part A: Initiation		
Title:		
Originator:		
Sponsor:		
Date of Initiation:		
Details of Proposed Change		
(To include reason for change and appropriate details/specifications. Identify any attachments as A1, A2, and A3 etc.)		
Authorized by :		
Name:		
Signature:	Date:	
Part B : Evaluation		
(Identify any attachments as B1, B2, and B3 etc.)		
Changes to Services, charging structure, payment profile, documentation, training, service levels and component working arrangements and any other contractual issue.		
Brief Description of Solution:		
Impact:		
Deliverables:		
Timetable:		
Charges for Implementation:		
(including a schedule of payments)		
Other Relevant Information:		
(including value-added and acceptance criteria)		
Authorized by the Implementation Partner		Date:
Name:		
Signature:		

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