RAIPUR SMART C MART CITY Head Office Building, Municipal Corpor Gandhi Chowk, Kalibadi, E Tel No: + 91 771-2535780, 90, Fax No.: +91 771-223	ation, Near Mahila Police Station, Raipur (C.G.) 492001
<u>Corrigendum 1</u>	
S. No. /RFP/RSCL/2016-17, Raipur	Dated: 20/03/2017
With reference to Raipur Smart City Limited RFP notice $lacksquare$	NIT No. 91/RFP/RSCL/2016-17,
Raipur Dated: 02/03/2017 uploaded in our website. D	ate of submission of proposal for the
mentioned work has been modified to 31.03.2017 up to 15.00	HRS instead of 23.03.2017 up to 15.00
HRS.	
We are extending the date. The reason behind the extension	of date is extra time needed by us to
evaluate the pre bid queries and also time demanded by the	e bidder for the submission of the bid
documents.	
The Corrigendum is uploaded. The bidders are requested to c	lownload the Corrigendum submit the
same along with the bid & other related documents in hard cop	py within the date.
	Managing Director Raipur Smart City Limited

RAIPUR SMART CITY LIMITED

Rapur SMART CITY

Head Office Building, Municipal Corporation, Near Mahila Police Station, Gandhi Chowk, Kalibadi, Raipur (C.G.) 492001 Tel No: + 91 771-2535780, 90, Fax No.: +91 771-2227395, Website:- www.smartcityraipur.org

Corrigendum 2

S. No. /RFP/RSCL/2016-17, Raipur

Dated: 15/11/2016

With reference to Raipur Smart City Limited RFP notice **NIT No. 03/RFP/RSCL/2016-17, Raipur Dated: 02/03/2017** published in news papers & uploaded in our website and corrigendum1 **S.No. 8590 /RFP/RSCL/2016-17, Raipur Dated: 29/10/2016.** Date of submission of proposal for the mentioned work has been extended to 25.11.2016 up to 15.00 HRS instead of 17.11.2016 up to 15.00 HRS due to demonetization and delay in banking services.

Related documents can be downloaded **from www.smartcityraipur.org**. Modification/ Amendment/ Corrigendum, if any, shall not be advertised in the newspapers but shall be published in the website only. All other terms & conditions shall remain.

> Managing Director Raipur Smart City Limited

NAGAR PALIK NIGAM, RAIPUR

Head Office Building, Municipal Corporation, Near Mahila Police Station, Gandhi Chowk, Kalibadi, Raipur (C.G.) 492001 Tel No: + 91 771-2535780, 90, Fax No.: +91 771-2227395, Website:- www.smartcityraipur.org

Corrigendum 2

S. No. /RFP/N.N.R/2016-17, Raipur

Dated: 15/11/2016

With reference to Raipur Smart City Limited RFP notice **NIT No. 14/PLANNING/N.N.R./2016-17, Raipur Dated: 14/10/2016** published in news papers & uploaded in our website .Date of submission of proposal for the mentioned work has been extended to 24.11.2016 up to 15.00 HRS instead of 15.11.2016 up to 15.00 HRS

Related documents can be downloaded **from www.nagarnigamraipur.nic.in**. Modification/ Amendment/ Corrigendum, if any, shall not be advertised in the newspapers but shall be published in the website only. All other terms & conditions shall remain.

> COMMISSIONER NAGAR PALIK NIGAM, RAIPUR



RAIPUR SMART CITY LIMITED

Head Office Building, Municipal Corporation, Near Mahila Police Station, Gandhi Chowk, Kalibadi, Raipur (C.G.) 492001 Tel No: + 91 771-2535780, 90, Fax No.: +91 771-2227395, Website:- www.smartcityraipur.org

EXPRESSION OF INTEREST

S. No. /RFP/RSCL/2016-17, Raipur

Dated: 20/04/2017

Raipur Smart City Limited invites Expression of Interest from interested agencies/companies/firms/ individuals for

S.No.	Name of the Work	Pre-Bid Meeting date & time	Due date and time for Submission of Proposal	
1	Improvement& revamping of existing water supply, transmission and Distribution Network under Mor Raipur city center area through PPP on DBOT basis as a project for reduction in NRW/UFW & improvement in service to the residents through uninterrupted 24*7 water supply system.	14.10.2016 at 11.00 A.M.	31-10-2016 at 15.00 hrs	

Pre-Bid meeting will be held at the office address mentioned above. The RFP documents can be downloaded from www.smartcityraipur.org Modification/Amendment/Corrigendum, if any, shall not be advertised in the newspapers but shall be published in the website only.

Managing Director Raipur Smart City Limited

RAIPUR SMART CITY LIMITED Head Office Building, Municipal Corporation, Near Mahila Police Station, Gandhi Chowk, Kalibadi, Raipur (C.G.) 492001 Tel No: + 91 771-2535780, 90, Fax No.: +91 771-2227395, Website:- www.smartcityraipur.org							
	EXPRESSION OF INT	TEREST					
NIT No.	NIT No. 166 /RFP/RSCL/2017-18, Raipur Dated:20/04/2017						
RSCL S.No.	Expression of Interestr (EOI) from qualified and exper Name of the Work	ienced firms for the Pre-Bid Meeting date & time	following work:- Due date and time for Submission of Proposal				
1	Improvement& revamping of existing water supply, transmission and Distribution Network under Mor Raipur city center area through PPP on DBOT basis as a project for reduction in NRW/UFW & improvement in service to the residents through uninterrupted 24*7 water supply system.	02/05/2017 at 12.00 Noon.	12/05/2017 at 15.00 hrs				
Pre-Bid meeting will be held at the RSCL OFFICE outdoor stadium campus , infront of budhatalab, beside shyam talkies, Raipur. The RFP documents can be downloaded from www.smartcityraipur.org Modification/Amendment/Corrigendum, if any, shall not be advertised in the newspapers but shall be published in the website only.							
	Managing Director Raipur Smart City Limited						

EXPRESSION OF INTEREST

For

Improvement & Revamping of Existing Water Supply, Transmission and Distribution Network under More Raipur City Central (MRCC) Area through Public-Private Partnership (PPP) on a Design, Build, Finance, Operate and Transfer (DBFOT) basis, as a project for reduction in NRW/UFW & improvement in service to the residents through uninterrupted (24x7) water supply



EOI Number: 166/RSCL/2017-18, Date: 20/04/2017 Last Date of Submission: 12th MAY 2017

Invited by Raipur Smart City Limited (RSCL) Head Office Building, Municipal Corporation, Near Mahila Police Station, Gandhi Chowk, Kalibadi, Raipur-492001, Chhattisgarh.

Disclaimer

The information contained in this Expression of Interest (EOI) or subsequently provided to Applicants, whether verbally or in documentary or any other form by or on behalf of the Raipur Smart City Limited ("the Authority") or any of its employees or advisers, shall be considered confidential and not to be reproduced / transmitted / adopted / displayed for any purpose whatsoever.

This EOI is one of the steps in the process of selection of an entity for the project of implementation of 24X7 Water Supply Scheme on PPP-model in whole or part of 777 acre ABD (Area based Development) area of Raipur city under Smart City Mission

This EOI is not an agreement or an offer by the Authority to the Applicants or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in the formulation of their Proposals pursuant to a specific Request For Proposal (RFP).

This EOI includes statements, which reflect various assumptions and assessments arrived at by the Authority in relation to the Project. It is not possible for the Authority, its employees or advisers to consider the objectives, technical expertise and particular needs of each Applicant who reads or uses this EOI. The assumptions, assessments, statements and information contained in this EOI, may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments and information contained in this EOI.

The information provided in this EOI is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

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

The Authority, may in its absolute discretion, update, amend or supplement any information, objective, assessment or assumption contained in this EOI.

The issue of this EOI does not imply that the Authority is bound to select an Applicant for the

project and the Authority reserves the right to terminate the process at any time without assigning any reasons whatsoever.

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SECTION I: INTRODUCTION AND SCOPE OF SERVICES. 1. INTRODUCTION

Raipur has obtained status of capital City of the State of Chhattisgarh and the administrative Headquarters of the District from November 1, 2000. The Population of the Municipal Corporation is 10,26,539 as per Census 2011. For the last few decades the city has experienced high growth rate of population due to increased migratory, population due to economic base, presence of administrative, commercial and Industrial potential leading to migration of more and more people to Raipur from adjoining areas.

Raipur has been selected under the Smart City Plan on May, 2016 by the Ministry of Urban Development, Govt.of India.

Smart City Proposals includes area based proposal for a particular area (Mor Raipur City Central or MRCC Area) which will be developed into a smart area, thereby improving liveability of the whole city (the "Area Based Development Project"). The ABD area considered for retrofit and redevelopment model development is 777 acre. It is predominantly commercial with equal presence of wholesale and retail. The area contains 3 significant water bodies, sports infrastructure, households, and a plethora of heritage areas too. MRCC is envisaged as a transformational project converting the Raipur urban heart into a Clean, Connected, Cohesive and Credible Raipur; A project replicable in other parts of Raipur as well as other smart cities of the state.

2. RAIPUR SMART CITY LIMITED

The Government of Chhattisgarh has formed a special purpose vehicle (SPV), **Raipur** <u>Smart City Limited (RSCL) (the "Authority")</u> to plan, design, implement, coordinate and monitor the smart city projects in Raipur. RSCL is an unlisted Public company incorporated on 16 September, 2016 and is incorporated under Indian Companies Act 2013.

3. OBJECTIVE

As a part of the Smart City Development, RSCL has decided to improve water supply situation in MRCC area through Public Private Partnership (PPP) mode on Design, Build, Finance, Operate and Transfer (DBFOT) basis. The main objectives are:

- To achieve 24x7 water supply in MRCC area or its part(s)
- To achieve adequate pressures in the system
- To reduce NRW to less than 15%.
- Quality of Water to be as per IS 10500.
- To implement smart Billing, Collection and SCADA System.
- Operation & Maintenance of the total scheme for a period of 10 years.

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4. PROJECT AREA

The Project area for Area Based Development Proposal located in Central Raipur, starts from the railway station and extends till Vivekananda Lake also known as Budha Talab. The proposed site for Redevelopment is with an approximate area of 777 Acres and is shown in **Figure 1**.



Figure 1: Project Area- Raipur Smart City

The site location is shown in **Figure 2**. The approximate co-ordinates are on 21^o23'45.2"N, 81^o63'57.9"E. In terms of administrative jurisdiction, the proposed site is part of Raipur Municipal Corporation area. The site is near to Collect orate and other government offices. Major commercial area and old markets of Raipur city are the part of ABD area. As many as twenty four junctions like Shastri Chowk, Jaystambh Chhowk, etc. and major state highway locally known as Gaurav path is also part of site. NIT, Raipur is 2.4km from Amapara chowk which is west part of ABD site.



Figure 1: ABD Area & Surroundings

5. PURPOSE OF THIS EOI

Raipur Smart City Limited (RSCL)/Raipur Municipal Corporation (RMC) invites responses to this Expression of Interest ("EoI") for "Improvement & Revamping of Existing Water Supply, Transmission and Distribution Network under the Mor Raipur City Central (MRCC) Area through Public-Private Partnership (PPP) on a Design, Build, Finance, Operate and Transfer (DBFOT) basis, as a project for reduction in NRW/UFW & improvement in service to the residents through uninterrupted (24x7) water supply"

Feedback and inputs from interested applicants would be considered and formalized for subsequent preparation of "**Request for Proposal (RFP)**".

Key Events and Tentative Dates:

No	Stage	Date/time
1.	EOI Publication Date	20/04/2017
2.	Pre-Bid Meeting (Queries to be sent before Pre-Bid meeting to ceo.rscl@gmail.com)	02/05/2017
3.	EOI Submission Date	12/05/2017
4.	Date (s) for Presentation by Selected Bidders	22/05/2017
5.	Issue of RFP	01/07/2017

6. EXISTING SYSTEM DESCRIPTION

Currently, Raipur is supplied 277 MLD of water from various sources. The population of Raipur as per 2011 Census is 10,26,539. Considering current population as 12 lakh, the average per capita supply in Raipur is about 200 lpcd, supplied intermittently for a period of 2-3 hours per day mostly. MRCC area receives 11 MLD and its current population is about 67000. The per capita supply for MRCC area is thus 160lpcd.

At present, water from 4 ESRs (Motibagh, Ganj, Deven Nagar, and Tank No.7) are serving the ABD Area of Raipur. The command areas of these ESRs also serve certain areas outside ABD (ESR Command Area as per **Annexure II**). The total number of house service connections in ABD area is around 6700, currently there are many type of loses in the Water Supply Distribution Network, which includes loses due to pilferages, High NRW, leakages in lines etc.

The Total No. of House Holds in ABD Area is around 16000.

7. SCOPE OF WORK OF OPERATOR

The project is divided into two parts:

(a) Implementing 24x7 water supply in one of the Command Areas of ESR.

(b) Improvement of water supply system to the rest of the ABD area through capital works of replacement/strengthening of the pipelines, introducing new storage tanks etc.

Under The Present Scope the successful Bidder will be required to undertake the following:

- 1. Reconnaissance survey
- 2. Social and community survey
- Stake Holders meeting, presentation workshop for awareness of 24X7 Water System.

- 4. Detail survey and investigation
- 5. Geotechnical survey
- 6. Mapping of the Existing Distribution Network
- 7. Hydraulic Design of the Water Supply Network
- 8. Supply, Lowering, Laying, testing and Commissioning of Pipe Lines for Distribution Network
- 9. Supply, Installation of Meters, SCADA works, Billing hardware and Software.
- 10. Other related works required for successful implementation of 24X7 Water Supply system in one Command Area and improvements in rest of the areas to be executed through Public-Private Partnership mode on Design-Build-Finance-Operate and Transfer Mode.
- 11. Operation and Maintenance for ten years.

Sr. No.	Description of the Component	Scope
1.	Background Study including survey and investigation	Preparation of System Improvement Plan (SIP) within specified period and according to the contract conditions. SIP Preparation & Implementation shall include but not limited to the Survey & investigations of existing assets including existing NRW Studies, Distribution Network, mapping, freezing selected DMA boundaries, Hydraulic Modelling to ascertain the necessity and the extent of rehabilitation required.
2.	Storage Augumentation	Storage Augmentation facilities based on requirements.
3.	Strengthening of Distribution Network	Supply, and Laying of New Network Pipe Line/Retaining of the Existing Line based on Hydraulic Analysis.
4.	Metering	Smart AMR Meters at each and every House Hold Levels, and Bulk Flow Meters at Bulk Consumers, DMA Inlets and at ESR Oulet.
5.	SCADA Works and Billing Hardware and Software	Design, Supply and Installation of SCADA system required for effective management of the water supply system based on the continuous data.
6.	House Connections	Provide consumer service connections on approval or sanction by Employer (RSCL/RMC) with DI Strap saddle, Ferrule, MDPE pipe, ball valve, meter

Sr. No.	Description of the Component	Scope
		box etc.
7.	Leakages	Finding visible and invisible leaks in pipeline network, carrying out repairs and allied works in Project area

Design, Supply, Installation Testing and Commissioning shall be as per relevant codes, standard procedures and practices and must be vetted by a Third party prior to execution.

The Contractor shall take over the Operation and maintenance services from RSCL/RMC for the project area within selected DMA's the main purpose is to achieve an NRW Reduction of less than 15%. The Operation & Maintenance Tenure shall be 10 years after the successful commissioning of the work. Contractor shall act as back office support to RSCL/RMC while managing the customer related services or complaints. The Scope of O&M shall include but not limited to the following:

Sr. No.	Description of the Component	Scope
1.	Operation and Maintenance	 1.Operation and Maintenance of Entire system including water Distribution station, mechanical / electrical / instrumentation works and SCADA System for 10 years. 2. O & M of the Distribution Network for distributing water efficiently, equitably and minimizing water loss / non-revenue water (NRW), providing expert services for leak detection, reduction and maintaining the infrastructure on DMA basis.
2.	Continuous Supply	Providing continuous (24 x7) pressurized water supply to the connected consumers and maintaining the infrastructure in one of the Command areas.
3.	Water Quality	Collection, providing water Samples to RMC/RMC approved lab of treated water collected from ESRs / consumer end to ensure that it meets the Potable Water Specification and monitor on regular basis.
4.	Metering	Detecting and monitoring non-revenue connections and consumption and inform such connections to RSCL/RMC and install meters to measure consumption.
5.	HSC	Operation and Maintenance of House

Sr. No.	Description of the Component	Scope			
		Service Meter Connection for 10 years			
6.	Billing and Collection	Billing and Collection for 10 years.			
7.	Leakage Management	The Operator will be responsible for continuous active leakage management programme during O&M Phase.			

Some portion of the Selected Command Area of the ESR may fall outside the ABD Area, which also needs to be integrated into the 24X7 Water Supply Distribution Network System.

8. TECHNICAL SUBMISSION

Interested firms are requested to submit their Technical Proposal comprising the following:

- a. Detail Approach and Methodology to accomplish the task assigned
- b. Identification of sub components (breaking up the entire task into sub tasks), their corresponding timeline and resource requirement
- c. Technology options with respect to leak detections, billing process, metering and SCADA
- d. Note on Implementation Structure (PPP models including hybrid PPP models/mix of PPP & EPC)
- e. Relevant case studies (Since last five years)

Inputs from Participants on the following points in the "Technical Proposal" will be appreciated

- 1. Revenue sharing model
- 2. Telescopic Tariff
- 3. Workable PPP Options

RSCL may consider these suggestions while drafting the RFP in near future. Only select applicants will be called for presentation.

9. WHO CAN PARTICIPATE?

All reputed National / International companies and service providers as sole entity or in Joint Venture.

Interested Companies advised to study this EoI document carefully before submitting their "**Technical Proposal**¹" in response to the EoI document. Submission of the "Technical Proposal" in response to this EoI shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.**Technical Proposal** must be received not later than time, date and venue

mentioned in the Eol'. "**Technical Proposal**" that are received after the deadline WILL NOT be considered in this procurement process. All documents that form a part of response submitted by interested Firms/Entities, should be uploaded on the e Procurement portal. No hard-copies should be sent to the department.

10. CONTACT ADDRESS FOR ENQUIRY:

Managing Director, Raipur Smart City Ltd Head Office Building, Municipal Corporation Near Mahila Police Station, Gandhi Chowk Kalibadi, Raipur-492001, Chhattisgarh. Tel: +0771-2535780 / 90 Email <u>ceo.rscl@gmail.com</u>

11. Annexure I INFORMATION REQUESTED

In case of Consortium, all members of the Consortium need to fill this form

Sr. No.	Information Sought	Details to be Furnished
1.	Name and address of the Firm	
2.	Incorporation status of the Firm (public limited/private limited,	
	etc.)	
3.	Year of Establishment	
4.	Date of Registration	
5.	ROC Reference No.	
6.	Details of company registration	
7.	Details of registration with appropriate authorities for service tax	
8.	Turnover in the last 3 years	 2016-17 2015-16 2014-15
9.	Net Worth (positive/negative)	
10.	Details of similar experience (Last 10 years)	
11.	Name, Address, email, Phone Nos. and Mobile Number of Contact Person	

SECTION II. ELIGIBILITY CRITERIA:

Qualification Criteria and Requirement

		Requirement		Joint Venture			
Sr. No.	Subject		Single Entity	All Parties combined	Each Partner	One Partner	Submission Requirements
1.	Financial Requirement Annual Turnover	Must meet an Annual Average Turn Over of Rs. 50Cr. in last three financial years	Must Meet the Requirement	Must Meet Requirem ent	Must Meet Avg. Annual Turn -over of Rs 35 Cr, In last Three financial years each partner seperately	N/A	Audited Balance Sheet for FY 2014-15, 2015-16, & 2016-17.
2.	Construction Experience	Experience in Construction of Water Supply System of 12 MLD or more .	Must Meet requirement	Must Meet Requirem ent	N/A	Must Meet Experience in Constructio n of Water Supply System of 12 MLD	Certificates from The Respective Authority not below the rank of Executive Engineer of the concerned Department
3.	Similar Nature of Works	Experience in Water Consumer meter replacement or installation for at-least 8000 numbers in a single order	Must Meet Requirement	Must Meet Requirem ent.	N/A	Experience in Water Consumer meter replacement or	Certificates from The Respective Authority not below the rank of Executive Engineer of the

	Subject	Requirement		Joint Venture			
Sr. No.			Single Entity	All Parties combined	Each Partner	One Partner	Submission Requirements
						installation for at-least 8000numbe rs in a single order	concerned Department
4.	House Service Connections	Experience in Replacement or Installing new House Service Connections of minimum 8000 numbers in a single order	Must Meet requirement	Must Meet Requirem ent	N/A	Experience in Replaceme nt or Installing new House Service Connections of 8000 numbers.	Certificates from The Respective Authority not below the rank of Executive Engineer of the concerned Department
5.	O&M	Experience in Operation & Maintenance of Water Supply Distribution Network of minimum 30 Km Length	Must Meet requirement	Must Meet requireme nt	N/A	Must meet requirement in O&M of Water Supply Distribution Network of minimum 30 Km.	Certificates from The Respective Authority not below the rank of Executive Engineer of the concerned Department

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In case of Consortium/JV, each member of the Consortium/JV should meet at least two of criteria 2,3,4 and 5 above. Consortium/JV should not consist of more than two partners, including the Lead Partner. The bidder shall clearly indicate who is the Lead Member.

Only the select applicants will be called for the presentation. RFP will be issued to all eligible applicants.

The applicants may associate with each-other to form consortium. However, any applicant can't be part of more than one consortium in the EOI/RFP stage.

Annexure II

