



ROURKELA SMART CITY LIMITED

Rourkela Municipal Corporation,
Uditnagar, Rourkela – 769012
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Ref.: RFP. No. RSCL/110/2018/352, Dated: 25 July 2018

Corrigendum # 5 of RFP

This has reference to Request for Proposal (RFP) published on 25-07-2018 regarding “Selection of Master System Integrator (MSI) for Implementation of Smart Solutions in Rourkela”

Following modifications have been made to the RFP No. RSCL/110/2018/352 dated 25.07.2018 in continuation to the previous Corrigendum released on 13.09.2018, 28.10.2018, 10.11.2018 and 30.11.2018:

Introduction to Corrigendum

The Guiding Principles of our RFP and our Corrigendum is to ensure broad participation.

Our Sub Section(s) on “Responsibility of MSI” specifies that the technical specifications are indicative in nature. Also these technical and functional specifications have been provided with the intent to ensure a minimum benchmark of standardized products on the basis of existing /expected workloads. These are to provide guidance and direction and are not expected to be prescriptive in nature.

To reemphasize the same:

- a. The MSI has the option to address all the technical/functional requirements either with one or multiple solution (where applicable). The MSI is expected to depict compliance to all the functional and technical requirements along with detailing of the logical, functional and technical architecture by mapping of their BOM to the solution.
- b. The MSI may configure modules, interfaces and applicable peripherals for any technology product (as applicable) in a technically feasible and optimal manner, such that they comply with the functional technical and minimal sizing requirements as specified in the RFP.
- c. MSI is responsible for the overall SLA and scalability on the basis of their independent assessment of the requirements

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1	1	1	Important Dates	-	Last date for submission of Bids online at www.tendersodisha.gov.in by 10 th December 2018 at 5:00 PM	Last date for submission of Bids online at www.tendersodisha.gov.in by 19 th December 2018 at 5:00 PM
2	1	1	Important Dates	-	Last date for submission of hard copy of documents – 1 Original and 1 Copy + CD/DVD The Chief Executive Officer, Rourkela Smart City Limited, Udit Nagar, Rourkela-769012, Sundergarh, Odisha by 13 th December 2018 at 3:00 PM	Last date for submission of hard copy of documents – 1 Original and 1 Copy + CD/DVD The Chief Executive Officer, Rourkela Smart City Limited, Udit Nagar, Rourkela-769012, Sundergarh, Odisha by 22 nd December 2018 at 3:00 PM
3	1	1	Important Dates	-	Date of opening of pre-qualification bids on 13 th December 2018 at 5:00 PM	Date of opening of pre-qualification bids on 22 nd December 2018 at 5:00 PM
4	1	2.2	Eligible Bidders Consortium/Joint Venture (2)	6	One of the Firms would be designated as a "Lead Bidder". The Lead Bidder shall be jointly and severally responsible for all obligations and liabilities related to the entire project. The other consortium members shall be severally liable for their respective scope and roles as specified in the project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP.	One of the Firms would be designated as a "Lead Bidder". The lead bidder along with all Consortium members shall be jointly and severally responsible for the project execution. The other consortium members shall be severally liable for their respective scope and roles as specified in the project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP.
5	1	8.15	No Deviation Certificate	69	No Deviation Certificate	Refer to revised template for Section 8.15 as annexed below
6	1	9.17	Bill of Materials	98	-	Additional items included. Please refer Annexure 1
7	1	10.5 (a)	Price Sheet Capex	123	-	Additional items included. Please refer Annexure 2

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8	1	10.5 (b)	Price Sheet Opex	132	-	Additional items included. Please refer Annexure 3
9	2	ICCC/TR/1.01	Technical Requirements for ICCC: IT Components General	23	<p>Approximate space of around 20000 sq.ft is proposed for the development of the Integrated Command and Control Center. The proposed layout comprises of ICCC building with G+3 floor construction. Following components are proposed to be part of the ICCC building:</p> <ul style="list-style-type: none"> - Video Hall - Situation Room - Teleconference Room - Meeting Room - Cabins - Training Room - HelpDesk - Board Room - Data Centre - Waiting Area - Any other area as appropriate 	<p>Approximate space of around 20000 sq.ft is proposed for the development of the Permanent Integrated Command and Control Center. The proposed layout comprises of ICCC building with G+3 floor construction. Following components are proposed to be part of the ICCC building:</p> <ul style="list-style-type: none"> - Video Hall - Situation Room - Teleconference Room - Meeting Room - Cabins - Training Room - HelpDesk - Board Room - Data Centre - Waiting Area - Any other area as appropriate <p>A temporary Command and Control Centre shall be implemented in an area of approx. 4000 sq. ft. (including 1000 sq.ft. for Data Centre) equipped with all hardware equipments and software (as per the BOM) for monitoring and management of all smart solutions till the permanent ICCC is not ready for</p>

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						<p>operations. Further, the furniture and fixture at the temporary command and control centre shall be in proportion to the area provided for the centre. MSI shall be responsible for complete installation of temporary command and control centre, which also includes all civil, mechanical, electrical and interior works.</p> <p>MSI shall also be responsible for Facility Management at temporary command and control centre, which includes but not limited to building and grounds maintenance, cleaning, security, space management, utilities management etc. MSI shall also be responsible for dismantling temporary command and control centre when permanent ICCC is implemented. Shifting of existing equipment from temporary to permanent ICCC shall also be under the scope of MSI.</p>
10	2	DR/FR/1.09	Disaster Recovery Centre	192	The DRC shall have ISO 27001 or latest certification.	The DRC shall have ISO 9001 or latest certification.
11	2	DR/TR/1.09	Disaster Recovery Centre	193	MSI shall be responsible for providing Cloud service for storing all applications at DR at a location specified by RSCL [minimum 30% production capacity, RTO – 120 mins, RPO – 15 mins], which will be implemented for the project duration. The proposed cloud infrastructure should have not less than 100 cores. Each Compute node should have the latest generation processors	MSI shall be responsible for providing and storing all applications at DR (as private cloud) at a location in Bhubaneswar (STPI/ NIC) with minimum 100% redundancy of Network capacity and security component (N-N), and 30% of compute, storage RTO – 120 mins, RPO – 15 mins, which will be implemented for the project duration. Each Compute node at the DR should have the latest generation processors containing not less than 128 GB of RAM.

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					containing not less than 128 GB of RAM. The cloud infrastructure should not provide not less than 25 TB for block storage and not less than 100 TB for object. The same can be augmented as per the future requirements. MSI has to design the DR solution as per the requirement of the RFP and factor the same in their technical and financial bid.	MSI has to design the DR solution as per the requirement of the RFP and factor the same in their technical and financial bid.
12	2		Implementation Schedule and Payment Terms Project Payment Schedule	398	<p>Milestones Timelines Payment:</p> <ol style="list-style-type: none"> 1. Project Inception Report - T + 1 Month - 5% of CAPEX 2. Requirement Study - T + 3 Months - 5% of CAPEX 3. Hardware Delivery & commissioning of Temporary ICCC & DC - T + 5 Months - 30% of CAPEX (Payment shall be made on a pro-rata basis based on the modules defined in the Scope of Work of the RFP) 4. Phase I: Go Live - T + 6 Months - 15% of CAPEX 5. Phase II: Go Live - T + 9 Months - 15% of CAPEX 6. Phase III: Go Live (T1) - T + 12 Months - 15% of CAPEX 7. 3 Months after successful completion of Project Final Go-Live - T1 + 3 Months - 15% of CAPEX 8. Project Operations & Maintenance phase for a period of 60 months from 	<p>Milestones Timelines Payment:</p> <ol style="list-style-type: none"> 1. Project Inception Report - T + 1 Month - 5% of CAPEX 2. Requirement Study - T + 3 Months - 5% of CAPEX 3. Hardware Delivery & commissioning of Temporary ICCC & DC - T + 5 Months - 40% of CAPEX (Payment shall be made on a pro-rata basis based on the modules defined in the Scope of Work of the RFP) 4. Phase I: Go Live - T + 6 Months - 15% of CAPEX 5. Phase II: Go Live - T + 9 Months - 15% of CAPEX 6. Phase III: Go Live (T1) - T + 12 Months - 10% of CAPEX 7. 3 Months after successful completion of Project Final Go-Live - T1 + 3 Months - 10% of CAPEX 8. Project Operations & Maintenance phase for a period of 60 months from the date of Final Go Live - T1 + 60 Months - OPEX will be paid in twenty (20) equal

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					the date of Final Go Live - T1 + 60 Months - OPEX will be paid in twenty (20) equal quarterly instalments spread across 5 years Post Final Go-Live	quarterly instalments spread across 5 years Post Final Go-Live
13	3	19.2	Consortium	8	<p>The Consortium member has agreed that lead bidder of the Consortium is the prime point of contact between the Consortium member and the Client and it shall be primarily responsible for the discharge and administration of all the obligations contained herein and, the Client, unless it deems necessary shall deal only with lead bidder of the MSI.</p> <p>The Lead Bidder shall be jointly and severally responsible for all obligations and liabilities related to the entire project. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP. The other consortium members shall be severally liable for their respective scope and roles as specified in the project.</p>	<p>The Consortium member has agreed that lead bidder of the Consortium is the prime point of contact between the Consortium member and the Client and it shall be primarily responsible for the discharge and administration of all the obligations contained herein and, the Client, unless it deems necessary shall deal only with lead bidder of the MSI.</p> <p>The lead bidder along with all Consortium members shall, however be jointly and severally responsible for the project execution. The lead bidder shall ensure and be liable for the overall performance of the project, including delivery of products and services mentioned in this RFP. The other consortium members shall be severally liable for their respective scope and roles as specified in the project.</p>

8.15. No Deviation Certificate

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

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

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

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

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

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Annexure 1

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
Data Centre (DC)				
80	Edge devices for AI analytics	Nos.	As per requirement	
Traffic Violation Detection System (TVDS)				
10	Speed Violation Detection Sensors/ Radars/ Instruments	Nos.	As per requirement	

Annexure 2

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Unit Price including (Supply, Installation and Commissioning)	Total Price including (Supply, Installation and Commissioning)	Taxes and Duties			Total CAPEX (including all taxes & duties)
						GST	Customs / Excise Duty	Any other Taxes / Duties	
				INR	INR	INR	INR	INR	INR
				Price	Price	Price	Price	Price	Price
B. Data Centre									
81	Edge devices for AI analytics	Nos.	As per requirement						
G. Traffic Violation Detection System									
11	Speed Violation Detection Sensors/ Radars/ Instruments	Nos.	As per requirement						

Annexure 3

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	
B. Data Center (DC)							
81	Edge devices for AI analytics						
G. Traffic Violation Detection System							
11	Speed Violation Detection Sensors/ Radars/ Instruments						