



ROURKELA SMART CITY LIMITED

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

Corrigendum # 4 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 and 10.11.2018:

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

SI. No.	Volume of RFP	RFP Section No.	RFP Section	Page No.	Existing Clause	Modified Clause
1	1	1	Important Dates	-	Last date for submission of Bids online at www.tendersodisha.gov.in by 30 th November 2018 at 5:00 PM	Last date for submission of Bids online at www.tendersodisha.gov.in by 10 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 5 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 13 th December 2018 at 3:00 PM
3	1	1	Important Dates	-	Date of opening of pre-qualification bids on 5 th December 2018 at 5:00 PM	Date of opening of pre-qualification bids on 13 th December 2018 at 5:00 PM
4	1	2.1	General	6	The bidder shall submit within 5 days of online submission, Bid documents in the hard copy format to Client signed by the authorized signatory of bidder, which should match with the bid submitted online. The documents submitted online shall be considered as final and binding in case of any mismatch with the hard copy documents.	The bidder shall submit within 3 days of online submission, Bid documents in the hard copy format to Client signed by the authorized signatory of bidder, which should match with the bid submitted online. The documents submitted online shall be considered as final and binding in case of any mismatch with the hard copy documents.
5	1	2.29	Eligible Goods and Services, and OEM Criteria	21	OEM for Command Control Software should have deployed at least one Smart City solution in India. In addition, the same OEM should have deployed similar solution in 3 or more locations globally.	OEM for Command Control Software/Platform should have deployed at least 1 Smart City solution in India. In addition, the same OEM should have deployed similar solution in 2 or more locations globally
6	1	9.17	Bill of Materials Safety and Surveillance	97	LPU with Edge Device: 93 Nos.	LPU with Edge Device: As per requirement
7	1	9.17	Bill of Materials Adaptive Traffic	98	-	Please refer Annexure 1

Sl. No.	Volume of RFP	RFP Section No.	RFP Section	Page No.	Existing Clause	Modified Clause
			Signal Control System (ATCS)			
8	1	10.5 (a)	Price Sheet Capex D. Safety and Surveillance	119	LPU with Edge Device: 93 Nos.	LPU with Edge Device: As per requirement
9	1	10.5 (a)	Price Sheet Capex F. Adaptive Traffic Signal Control System	121	-	Please refer Annexure 2
10	1	10.5 (b)	Price Sheet Opex F. Adaptive Traffic Signal Control System	132	-	Please refer Annexure 3
11	2	ATCS/TR/1.2	Adaptive Traffic Signal Control System (ATCS)	-	The controller/system shall be powered through solar power with 2-3 days power backup.	The controller/system shall be powered through solar power with 6-9 hours power backup and adhering to the SLAs
12	2	ATCS/TR/4.1	Adaptive Traffic Signal Control System (ATCS)	-	Solar Panels and power back up of 72 Hours - quantity of solar module and battery bank to be calculated keeping in view complete intersection load with Power Backup.	Solar Panels and power back up of 6-9 hours and adhering to the SLAs - quantity of solar module and battery bank to be calculated keeping in view complete intersection load with Power Backup.
13	2	TVDS/TR/4.1	e-challan Devices	242	The e-challan handheld shall have latest mobile operating system (Android, Windows and iOS)	The e-challan handheld shall have latest mobile operating system (Android / Windows / iOS)
14	2	TVDS/TR/4.10	e-challan Devices	243	The handheld shall have in-built thermal printer and should be able to print on a paper with minimum width of 3 inch. It shall support print speeds of at least 200 dpi, 60 mm per second or better with easy paper loading mechanism. The media type shall be Thermal Paper.	The handheld shall have in built/integrated printer and should be able to print on a paper with minimum width of 3 inch. It shall support print speeds of at least 200 dpi, 60 mm per second or better with easy paper loading mechanism.
15	2	ATCS/TR/8.3	Adaptive Traffic Signal Control System (ATCS)	-	<ul style="list-style-type: none"> The machine vision system hardware shall consist of three components: <ul style="list-style-type: none"> Camera based vehicle detection shall be provided consisting of 	<ul style="list-style-type: none"> The machine vision system hardware shall consist of three components: <ul style="list-style-type: none"> Camera based vehicle detection shall be provided consisting of

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					black & white detection camera, 640x480 resolution, 20 FPS minimum frame rate. – A modular cabinet interface unit • A communication interface panel	black & white detection camera, 640x480 or higher resolution, 20 FPS minimum frame rate, day - night cameras – A modular cabinet interface unit • A communication interface panel
16	2	ATCS/TR/8.16	Adaptive Traffic Signal Control System (ATCS)	-	Placement of detection zones shall be by means of a laptop with the Windows 10 operating system, a wireless keyboard and a wireless mouse. The laptop's monitor shall be able to show the detection zones superimposed on images of traffic scenes.	Placement of detection zones shall be by means of a laptop with Windows 10 or other standard operating system as applicable, a wireless keyboard and a wireless mouse. The laptop's monitor shall be able to show the detection zones superimposed on images of traffic scenes
17	2	-	Adaptive Traffic Signal Control System (ATCS) Minimum Functional Requirements General	-	ATCS shall use standard communication protocols UG405 or NTCIP. It should also provide the functionality of integration with on-ground hardware of any third-party traffic controller that is UG405 or NTCIP compliant	ATCS shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any third-party traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.
18	3	19.2	Consortium	8	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. The lead bidder along with all Consortium members shall however be jointly and severally responsible for the project execution.	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. 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

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						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.
19	3	29.3	Indemnity	27	Regardless of anything contained (except for MSI's liability for bodily injury and/or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of MSI shall be as specified in Clause 43	Regardless of anything contained (except for MSI's liability for bodily injury and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of MSI shall be as specified in Clause 43.
20	3	36.2	Force Majeure	31	The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. it is caused due to events beyond the control of such Party like war, or hostility, acts of the public enemy, civil commotion, terrorist acts, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts, or act of God (hereinafter referred to as events). In such an event, the affected party shall inform the other party in writing within seven days of the occurrence of such event. Any failure or lapse on the part of MSI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above-mentioned events or the failure to provide adequate disaster	The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. it is caused due to events beyond the control of such Party like war, or hostility, acts of the public enemy, civil commotion, terrorist acts, sabotage, fires, floods, vandalism, explosions, epidemics, quarantine restriction, strikes, lockouts, or act of God (hereinafter referred to as events). In such an event, the affected party shall inform the other party in writing within seven days of the occurrence of such event. Any failure or lapse on the part of MSI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above-mentioned events or the failure to provide adequate disaster management/ recovery or any failure in

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					management/recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above	setting up a contingency mechanism would not constitute force majeure, as set out above.
21	3	43.3	Limitation of Liability	35	This limitation of liability shall not affect MSI liability, if any, for damage to Third Parties caused by MSI or any person or company acting on behalf of MSI in carrying out the Services. Further the liability cap provided under any provision of the Contract and the limitations provided herein in so far as the MSI is concerned, shall not be applicable to bodily injury and/or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement.	This limitation of liability shall not affect MSI liability, if any, for damage to Third Parties caused by MSI or any person or company acting on behalf of MSI in carrying out the Services. Further the liability cap provided under any provision of the Contract and the limitations provided herein in so far as the MSI is concerned, shall not be applicable to bodily injury and its liability for patent and copyright infringement in accordance with the terms of this Agreement.
22	3	64.4	Service Level Change Control Conditions for No Penalties	71	Theft cases by default/vandalism would not be considered as “beyond the control of bidder”. Hence, the Bidder should be taking adequate anti-theft measures, spares strategy, Insurance as required to maintain the desired required SLA.	Theft cases by default would not be considered as “beyond the control of bidder”. Hence, the Bidder should be taking adequate anti-theft measures, spares strategy, Insurance as required to maintain the desired required SLA.

Annexure 1

#	Items	Unit of Measurement	Quantity Proposed (exclusive of spares and consumables)	Make and Model
Adaptive Traffic Signal Control System (ATCS)				
1	ATCS System/Instrument/Solution	Nos.	29	
2	Blinker Units	Nos.	15	
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection	Nos.	10	
4	Camera Based Vehicle Detectors	Nos.	105	
5	300 mm RED LEDs	Nos.	210	
6	300 mm Amber LEDs	Nos.	210	
7	300 mm Green Arrow LEDs	Nos.	570	
8	300 mm Pedestrian Green & Red LEDs	Nos.	As per requirement	
9	Countdown Timers	Nos.	105	
10	Field, ruggedized, outdoor rated Layer-2 switch	Nos.	29	
11	Solar Power System including Solar module, Solar charger and battery	Nos.	29	
12	Solar Power System for Blinkers	Nos.	15	
13	300 mm LED Aspect RED/AMBER for Blinker Signals	Nos.	104	
14	Standard MS Pole	Nos.	82	
15	Cantilever Pole	Nos.	107	
16	Foundations – Standard Pole	Nos.	82	
17	Foundations – Cantilever pole	Nos.	107	
18	Standard MS Pole for Blinker Signals	Nos.	104	
19	Foundations - Standard Pole (Blinker Signals)	Nos.	104	

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)
				INR	INR	GST	Customs / Excise Duty	Any other Taxes / Duties	INR
				Price	Price	Price	Price	Price	Price
F. Adaptive Traffic Signal Control System									
1	ATCS System/Instrument/Solution	Nos.	29						
2	Blinker Units	Nos.	15						
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection	Nos.	10						
4	Camera Based Vehicle Detectors	Nos.	105						
5	300 mm RED LEDs	Nos.	210						
6	300 mm Amber LEDs	Nos.	210						
7	300 mm Green Arrow LEDs	Nos.	570						
8	300 mm Pedestrian Green & Red LEDs	Nos.	As per requirement						
9	Countdown Timers	Nos.	105						
10	Field, ruggedized, outdoor rated Layer-2 switch	Nos.	29						

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#	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)
				INR	INR	GST	Customs / Excise Duty	Any other Taxes / Duties	INR
				Price	Price	Price	Price	Price	Price
11	Solar Power System including Solar module, Solar charger and battery	Nos.	29						
12	Solar Power System for Blinkers	Nos.	15						
13	300 mm LED Aspect RED/AMBER for Blinker Signals	Nos.	104						
14	Standard MS Pole	Nos.	82						
15	Cantilever Pole	Nos.	107						
16	Foundations – Standard Pole	Nos.	82						
17	Foundations – Cantilever pole	Nos.	107						
18	Standard MS Pole for Blinker Signals	Nos.	104						
19	Foundations - Standard Pole (Blinker Signals)	Nos.	104						
20	Any other item required as per bidder design	Lot							
Sub Total of F									

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Annexure 3

#	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total
		Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	Cost (INR)	
F. Adaptive Traffic Signal Control System							
1	ATCS System/Instrument/Solution						
2	Blinker Units						
3	Pelican Signal unit including vehicular and pedestrian lights, poles, solar panel & battery, push button unit and control system for complete intersection						
4	Camera Based Vehicle Detectors						
5	300 mm RED LEDs						
6	300 mm Amber LEDs						
7	300 mm Green Arrow LEDs						
8	300 mm Pedestrian Green & Red LEDs						
9	Countdown Timers						
10	Field, ruggedized, outdoor rated Layer-2 switch						
11	Solar Power System including Solar module, Solar charger and battery						
12	Solar Power System for Blinkers						
13	300 mm LED Aspect RED/AMBER for Blinker Signals						
14	Standard MS Pole						
15	Cantilever Pole						
16	Foundations – Standard Pole						
17	Foundations – Cantilever pole						
18	Standard MS Pole for Blinker Signals						
19	Foundations - Standard Pole (Blinker Signals)						
20	Any other item required as per bidder design						
	Sub Total of F						

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