

**VIJAYAWADA MUNICIPAL CORPORATION**  
**REPLIES OF QUERIES RAISED BY THE CONSULTANTS**

**Name of the work:** Supply, Installation, Commissioning and Operation & Maintenance of Internet Protocol enabled Adaptive Traffic Management System (ATMS) for a period of five (5) years in Vijayawada. (Rc.CE-133095/2018)

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
1	3. Pre-Qualification criteria Eligibility Criteria	11	Note: In case of consortium, all correspondence shall be done with / through the prime bidder.	We under signed that consortium is allowed for the same tender. Kindly specify maximum number of consortium members are allowed	Maximum of 2 Nos.
2	3. Pre-Qualification criteria Eligibility Criteria	11	A company incorporated in India under the Companies Act, 1956/2013 and subsequent amendments thereto.	Here only Act for private limited companies are mentioned, other Acts like partnership (E.g. Act 1936) should be added as well as for foreign firm's certificate of incorporation under respective foreign law should be allowed.	Not allowed
3	1. Inviting Authority 1.1 Key Events and Dates	7	Bid security / EMD (Refundable): INR 10,00,000 (Rupees Ten lakhs Only) In the form of Bank Guarrantee issued by one of the nationalized / scheduled Commercial banks in India drawn in favour of the Commissioner, Vijayawada Municipal Corporation (VMC), payable at Vijayawada.	Relaxation on EMD as MSME should be allowed.	No relaxation

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
4	Annexure-X Variable Message Display	45	15. Communication Interface: One Ethernet port for Central connectivity GPRS modem (Optional) <b>One Isolated RS232 port for local operation console</b>	Request you to please revise the clause as below: 15. Communication Interface: One Ethernet Port for Central connectivity GPRS modem (Optional)	Allowed
5	Annexure-X Variable Message Display	44	Variable message sign	Please specify Functional / application requirement also for the VMS.	Data regarding traffic to be displayed
6	5.36 BoQ	27	Variable Message Sign Board-4 Qty.	As under BoQ it is only mentioned VMS board Quantity and not specified / asked for application software and mounting pole. So we are considering only VMS board as a part of this RFP & not software, Mounting pole. Please confirm if our understanding is correct?	Pole mounting and software also required
1	3. Pre-Qualification criteria Eligibility Criteria	11	The Bidder should possess at least two of the below certifications which are valid at the time of bidding: ISO 9001:2015 - NSIC - DSIR	It is proposed to include CMMI level 5 certification as certificates NSIC and DSIR is not a generic certification and would limit the participation to bidder.	Allowed

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
2	4. Technical Bid Evaluation	12	<p>The valid certification with Bidder from the following list: ISO 9001:2015 - NSIC - DSIR</p> <p>Marks shall be allotted as given below:</p> <p>One of the above certifications - 60% marks</p> <p>Every additional certification - Additional 20% marks each (Capped at maximum marks allotted in this category)</p>	It is proposed to include CMMI level 5 certification as certificates NSIC and DSIR is not a generic certification and would limit the participation to bidder.	Allowed
3	Annexure X - Minimum Tech Specifications		<p>Take input of vehicle occupancy of every intersection.</p> <p>Analyze the timing of the past as configured</p> <p>Propose New Timings maintain signal Progression of Priority route of corridor</p> <p>A log is maintained for observation and validation Detect Red light jumping</p> <p>Vehicle number detector with classifying type of vehicles detect the persons not wearing helmets wrong route entry detection.</p>	These features are not part of traffic signal controller. Hence, the requirements may be executed.	RFP prevails

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
	3	11	<p>Bidder should be:</p> <p>Ø A company incorporated in India under the Companies Act, 1956 / 2013 and subsequent amendments thereto.</p> <p>Ø Registered with GST Authorities in India</p> <p>Ø 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).</p>	<p>Request you to ammend and <b>allow two member consortium</b> with lead bidder having minmum turnover of 60 crores. Each member should be operating in India for last 5 years</p>	Maximum of 2 Nos.
	4	12	<p>Project execution:</p> <p>The Bidder should have been awarded and successfully commissioned project(s) that entails deployment of fully vehicle actuated traffic signals OR Variable Message Displays at min value of Rs.2 crore over the last 10 years.</p> <p>The projects should have been executed in India</p>	<p>Reques you to allow experience of operation and maintenance of fully vehicle actuated traffic signal junction or variablemessage displays at min value of Rs 2Crore over last 10 years.</p>	RFP prevails

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
	4	13	<p>ITMS projects:The Bidder should have been awarded and successfully executed at least one of the below project in the last Seven years, having value of more than INR 2 crore:</p> <ol style="list-style-type: none"> <li>1. Variable Message Displays</li> <li>2. Traffic Signals.</li> </ol> <p>Marks shall be allotted as below: Installations during last seven years :</p> <ol style="list-style-type: none"> <li>i. minimum 60junctions – 60% marks</li> <li>ii. Minimum100 junctions– 75% marks</li> <li>iii. more than 100 junctions– 100% marks (capped at maximum marks allotted in this category)</li> </ol>	Request to ammend with experience of installation or O&M of Traffic junctions or execution of variable message sign of more than 2 Cr	RFP prevails
	Annexure X	39	Traffic Controller specifications:	Request to add safety certification: EN 12675	Not mandatory
	Annexure X	39	<p><b>Adaptive traffic control feature:</b></p> <ul style="list-style-type: none"> <li>• Take input of vehicle occupancy of every intersection</li> <li>• Analyze the timing of the past as configured</li> <li>• Propose New Timings</li> <li>• Maintain signal Progression of priority route of corridor</li> <li>• A log is maintained for observation and validation</li> <li>• Detect Red light jumping</li> <li>• Vehicle number detector with classifying type of vehicles</li> <li>• Detect the persons not wearing helmets.</li> <li>• Wrong route entry detection.</li> </ul>	<p>The below highlighted points come under Video analytics, ANPR, RLVD. Traffic controllers are used to monitor junction traffic and regulate traffic lights basen on inputs fromvehicle detectors</p> <ul style="list-style-type: none"> <li>• Detect Red light jumping</li> <li>• Vehicle number detector with classifying type of vehicles</li> <li>• Detect the persons not wearing helmets.</li> <li>• Wrong route entry detection.</li> </ul>	RFP prevails

S.No	Section	Page No.	Content of the RFP requiring clarification	Clarification sought	Reply
	Annexure X	41	LED Aspect Specifications	Request to amend the following under minimum specifications : • EN 12368 certified • Central light source LEDs	Not mandatory
	Annexure X	41	Digit Numeric Timer	Request to ammend with graphical countdown timer	RFP prevails
	Annexure X	45	Variable message sign	Request to add •EN 12966 certified VMS display	Not mandatory
1	4	4	Proposed Resources: Project Manager _ CV format as per Annexure	Annexure not provided	No specific format
2	4	4	Proposed Resources: ITMS Expert _ CV format as per Annexure	Annexure not provided	No specific format
3	4	4	Proposed Resources: ITExpert _ CV format as per Annexure	Annexure not provided	No specific format
4	Annexure x	Adaptive Traffic Control Feature	Adaptive Control feature Detect Red light jumping Vehicle number detector with classifying type of vehicles	These features are mentioned in the specifications, but not mentioned in BOQ	Corrigendum will be issued
5	Annexure x	2 Digit Numeric Timer	In Heading it was mentioned as 2 Digit Numeric Timer Display and in specifications it was given as 3 digit LED display	Please modify in the specifications as 2 Digit or please clarify	2 digit display
6			2 Digit Numeric Timer 20 LED in each segment and minimum 17 led in diagonal segments	No need to diagonal segment for count down display	Allowed
7	Annexure ix	Price Bid form	Vehicle detectors	Need clarity of quantities w.r.t Junction wise like 2way/3 way/4 way	Corrigendum will be issued
8	5	5.36	video wall size as per remarks is 3 x 4	It is 4 x 3. Need to correct	Corrected

<b>S.No</b>	<b>Section</b>	<b>Page No.</b>	<b>Content of the RFP requiring clarification</b>	<b>Clarification sought</b>	<b>Reply</b>
9	5.36	4	Variable Message Display	Need to provide locations of VMD	Locations will be provided at the time of LoA.
10	5.36	2	Pelican Signals	Need to provide locations of Pelican Signals	Locations will be provided at the time of LoA.
11	Annexure IX	15	Connectivity	Kindly elaborate	Connectivity with GPRS or cable
12	Annexure X	Bill of Qty. for Traffic Junctions	3-Way/4-way Junction	Need clarification on how many 3 way and 4 way Junctions. Based on that quantity may vary	Corrigendum will be issued

**Sd/-**  
**SUPERINTENDING ENGINEER (P)**

**VIJAYAWADA MUNICIPAL CORPORATION (VMC)**

**CORRIGENDUM**

**Rc.CE-133095/2018**

**Dt.09-11-2018**

The amendment for the RFP invited, vide this office NIT No.Rc.CE-133095/2018, Dt.16-10-2018 & Corrigendum Dt.02-11-2018 “Supply, Installation, Commissioning and Operation & Maintenance of Internet Protocol enabled Adaptive Traffic Management System (ATMS) for a period of five (5) years in Vijayawada” was issued for clauses in RFP document as below:

<b>Sl. No.</b>	<b>Description</b>	<b>For</b>	<b>Read</b>
1	Pre-Qualification criteria	The Bidder should possess at least two of the below Certifications which are valid at the time of bidding: <ul style="list-style-type: none"><li>· ISO 9001:2015</li><li>- NSIC</li><li>- DSIR</li></ul>	The Bidder should possess at least two of the below Certifications which are valid at the time of bidding: <ul style="list-style-type: none"><li>· ISO 9001:2015</li><li>- NSIC</li><li>- DSIR (Or)</li><li>- CMMI level –5 certification</li></ul>
2		The valid certifications with Bidder from the following list: <ul style="list-style-type: none"><li>· ISO 9001:2015</li><li>- NSIC</li></ul> -DSIR Marks shall be allotted as given below: One of the above certifications – 60% marks Every additional certification – Additional 20% marks each (capped at maximum marks allotted in this category)	The valid certifications (Minimum 2) with Bidder from the following list: <ul style="list-style-type: none"><li>· ISO 9001:2015</li><li>- NSIC</li><li>-DSIR</li><li>- CMMI level –5 certification</li></ul> Marks shall be allotted as given below: One of the above certifications – 60% marks Every additional certification – Additional 20% marks each (capped at maximum marks allotted in this category)
3	Annexure-IX	Price bid form	Attached
4		List of junctions (2 way, 3 way, 4 way and 5 way)	Attached

**Sd/-  
SUPERINTENDING ENGINEER**



**Annexure IX – Price Bid Form**  
(To be submitted by Bidder on original letterhead)

To Date:  
The Commissioner,  
Vijayawada Municipal Corporation (VMC),  
Jawaharlal Nehru Buildings, Canal Road, Vijayawada  
Andhra Pradesh 520001

**Subject:** RFP for Supply, Installation, Commissioning, Operations and Maintenance of Adaptive Traffic Management System (ATMS) in Vijayawada City

**Ref:** XXXX/ XX/2018, dated \_\_\_\_\_

S. No	Description	Units	Unit Rate in INR (A)	Taxes INR (B)	Qty (Q)	Total in INR (T) =Q*(A+B)
1.	Adaptive Traffic Controller with Cabinet Enclosure	Nos			63	
2.	Set of two Solar Panels (300W x 2) with Frame and Accessories	Nos			259	
3.	Vehicle Actuated Detector	Nos			220	
4.	Cantilever Pole	Nos			220	
5.	Standard Pole (Quantity may vary by utilizing existing poles)	Nos			346	
6.	Traffic Light Aspects – Red	Nos			576	
7.	Traffic Light Aspects – Green	Nos			1128	
8.	Traffic Light Aspects – Amber	Nos			587	
9.	Pedestrian Aspects with Audible Alarms	Nos			858	
10.	Count Down Timer	Nos			220	
11.	Installation & Commissioning including civil works	Lot			63	
12.	*Additional Components (if any) required towards the solution proposed	Lot			1	
13.	Public address system	Nos			63	
14.	Variable Message Sign Board	Nos			4	
15.	Connectivity with GPRS	Nos			67	
16.	Pelican Signal (as per BOQ provided)	Junctions			20	

17.	Work station	Nos			2	
18.	<b>The Video Wall for CCC along with controller and software ; matrix 4 x 3 cubical</b>	No.s			1	
19.	<b>Detection of red light jumping</b>	Per junction			63	
20.	<b>Vehicle number detector</b>	Per junction			63	
21.	<b>Detection of Non wearing helmet</b>	Per junction			63	
22.	<b>Detection of non route entry</b>	Per junction			63	
<b>Total CAPEX</b>						
<b>1</b>	<b>Operation &amp; Maintenance Charges per Quarter including manpower</b>	Quarter			<b>20</b>	
<b>Total OPEX</b>						

**Grand Total Cost (GTC) = Total CAPEX + Total OPEX = \_\_\_\_\_**

**\*In case of any specific components required towards installation and commissioning, the same shall be provided in S.No 12 of the CAPEX – Price Bid Form.**

**Note**

- Unit Rate shall include all duties, levies, insurance, transport and other charges excluding Taxes.
- The Bidder offering **Lowest Grand Total Cost (Exclusive of Taxes)** will be considered as L1 for financial evaluation. If there is a discrepancy between words and figures, the amount in words shall prevail.

**VMC reserves the right to**

1. Negotiate with the Bidder whose offer is lowest (L1) for further reduction of prices (if deemed necessary)
2. Modify, reduce or increase the quantity requirements to an extent of the tendered quantity
3. Change the list of areas of work from time to time based upon the requirement of the purchase.
4. If delivery performance of the Bidder is not as per the Schedule, then VMC reserves the right to take action against them.
5. VMC reserves its right to withhold any amount for the deficiency in the service aspect of the ordered items supplied.

(Signature, name and designation of the authorized signatory)

(Name and seal of the firm)

**VIJAYAWADA MUNICIPAL CORPORATION**

**ANNEXURE - XI**

**LIST OF JUNCTIONS**

**Name of the work:** Supply, Installation, Commissioning and Operation & Maintenance of Internet Protocol enabled Adaptive Traffic Management System (ATMS) for a period of five (5) years in Vijayawada. (Rc.CE-133095/2018)

S.No	2 Road Junction	S.No	3 Road Junction	S.No	4 Road Junction	S.No	5 Road Junction
<b>I</b>	<b>Circle-1</b>						
1	Gadda Bomma	1	Venkateswara Foundry	1	Swathi center		
2	Middle of Fly-over	2	Kummaripalem	2	Sithara		
		3	Prakasam barriage	3	Chitti Nagar		
		4	PSR Statue				
		5	Vinayaka Temple				
		6	Sitammavari padalu				
		7	Prakasam statue				
		8	Srinivasa mahal				
		9	Kabela Center				
		10	YV Rao estate				
<b>II</b>	<b>Circle-II</b>						
1	Raghavayya Park	1	Pushpa hotel	1	State Guest house		
2	Bakingham post office	2	DCP Buglaw	2	Bandar Locks		
3	Musium road	3	RTA circle	3	PCR		
		4	Old Bus stand (Y Junction)	4	Sitharam puram (Deepthi travels)		
		5	Swarna Palace	5	Chuttugunta junction		
		6	Apsara center	6	Alankar inn		
		7	Vijaya Talkies	7	Padavala revu		
		8	T Junction	8	Madhura Nagar		
		9	Gunadala 3 Bidge center	9	Food Junction		
				10	Sarada College		
				11	Seethannapeta		
				12	Dhabakotlu center		

S.No	2 Road Junction	S.No	3 Road Junction	S.No	4 Road Junction	S.No	5 Road Junction
				13	Paipul Road		
III	Circle-III						
		1	Krishna Nagar	1	Benz Circle	1	Ramesh Hospital
		2	Auto Nagar 100' Road	2	DV Mannor		
		3	Patamata e-Seva	3	Chennupati Bunk		
		4	NTR Circle	4	Veterinary Hospital		
		5	Siddhartha	5	Nice Bar junction		
		6	Ramavarappadu Ring	6	Jammi chettu center		
		7	Skew Bridge	7	Mahanadu		
		8	Geetha Nagar	8	Nirmala convent		
		9	American Hospital	9	Jyothi Mahal		
		10	Fire station	10	Nethaki Bridge		
		11	RTC Out gate				
		12	RTC In gate				

**Sd/-**  
**SUPERINTENDING ENGINEER (P)**