



CHENNAI METRO RAIL LIMITED  
EOI for AUTOMATIC PARKING SYSTEM PROVIDER  
(EOI No. AFC-02-2016 Dated 25-05-2016)  
Response to Pre-Bid Queries

S.No	Queries	EOI Clause Reference	Clarifications
1	Is Entry ticket dispensing with card reader? Is NFC to be included or part of the offering?	2.2.1	1) Entry ticket dispensing is not required. 2) NFC is part of the scope
2	What is the kind of display required? LED/LCD? 2W/4W?	-	High quality out door, wide viewing display unit is recommended for 2 Wheeler/4 Wheeler.
3	What is the amount of loading process?	-	Amount can be loaded from CMRL stations.
4	What is the work flow?	-	Will be defined in RFP
5	When it is the common card and when 2 SAM modules?	-	2 SAM modules required for any future exigency.
6	LAN, Existing common server for parking, Common for PLS/LDS?	-	Existing LAN connectivity of CMRL in metro stations can be utilised, other related works has to be taken care.
7	Parking operations management, parking facility, parking monitoring. Control Centre?	2.2.2	Yes, Required
8	Read/ Write Type A & Type C or NFC media or Both?	2.3	Both
9	Pre-trip parking, online reservation and Bay status/ Is this part of the solution?	2.3	Yes
10	ISO 14443, Type A / Type C, Please provide specific card detail.	2.2.1	Card specific details will be shared to successful bidder after signing NDA.
11	For white listed cards, do we need to allocate parking separately all the time?	P 13/2.2.1 Pt no. 6	Yes
12	What is the tariff, How much is the capacity of parking? Both 2 wheelers and 4 wheelers.	-	Tariff should be dynamically loaded from Central Computer as and when there is a change, if required. The capacity of parking will be shared at the time of RFP.
13	Do we need individual bay indicators? Real-time count can be given without sensors in each slot	P 15, 2.3	An individual bay indicator is not required. Yes, real-time count can be given without sensors in each slot.



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14	Purpose of integrating the SAM?	P15 2.3	Yes, required.
15	What should be turnover of the lead bidder	-	Refer Sl. No. 26 below
16	Please define parking operations	-	To be proposed as part of EOI submission by solution providers.
17	Automatic boom barrier control?	-	Yes, Required.
18	Automatic boom barrier control. Boom barrier is one of the critical components of the entire automatic parking solutions. However there is no mention of the specific technical points regarding the boom barrier, It is simple to bypass the automation procedure if the boom barrier malfunctions and hence barrier should be with 100% duty cycle/ It should be electro mechanical type for better operation. Considering the number of operations it should be at least open/close within less than 1 second.	P13 clause 2.2.1	Will be defined in RFP
19	The OEM should have the facility to support the products in Chennai and they should have the factory in India. It should also have minimum installation experience of more than 5-10 years in India.	-	Will be defined in RFP
20	Status of Barriers should be monitored at centralised locations.	-	Yes
21	What is pre-trip web based information system?	P12 2.2	Online advance booking of parking slots.
22	What is variable Message sign boards (VMS). We assume VMS shows availability of parking before they enter parking lot. A sign available at entry machine which tells balance available in the card? Should we provide both?	P12, 2.2	Yes. Both required.
23	Features like pre trip online reservation and Bag status. Which means tracking / sensing each bay? Is single spacing monitoring a part of scope?	P15	Refer Sl. No 13
24	Integration of CSC solution with other facilities is up to hardware level/ software level?	-	Both
25	What is the solution for one time users?	-	Access with CMRL card only
26	What is the turnover / other pre-qualification requirement to decide on bidding method? What should be turnover of the lead bidder?	-	Will be defined in RFP



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27	Can Schematic diagram / system Architecture be shared with us to understand the limitations?	-	Will be defined in RFP
28	Brief on parking central computer to understand the features types of modules / reports required.	-	Briefly defined in EOI document clause 2.2.2. Anything additional can be proposed by solution provider.
29	Do we have any on street parking lots? Please explain the types.	-	No
30	Is there any solution requirement for parking enforcement?	-	Can be proposed by solution provider in EOI Document.
31	Can consortium partner be foreign company? If so their turn over and experience will be taken in to consideration.	-	Will be defined in RFP
32	Will Site survey and site visit be supported?	-	Can be planned based on requirement.
33	Will site diagrams be uploaded into the tender document?	-	Will be part of RFP Document.
34	Is there separate tenders for manning the system if so what will be the AMC period.	-	Will be defined in RFP
35	Can time extension be given for submission of presentation?	-	No
36	We can understand the procedure of payment via CMRL Travel Card. However, there is no any clause mentioned about cash payment. Please inform us whether you will introduce cash payment or not. If you will introduce cash settlement, please inform us the procedure.	2.2.1	Payment will be only by CMRL TRAVEL CARD.
37	Please clarify who need to provide back bone network infrastructures for GPRS or LAN.	2.2.1	Refer Sl.no 6 , any other solution can be proposed in EOI
38	"Our Read/Writer device that is proposed to be used on the entry/exit gates supports Type A cards of any operating system including the proprietary Mifare/Desfire interface as well as type B cards. While Type A and Type B are open ISO standards, Type C is not a typical ISO standard and is used to describe the propriety interface specification of Sony Corporation, Japan. Hence is Chennai Metro open to the Read/Writer not supporting Type C standard?"	Page no 13, Point 2.2.1-4	Type C required



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39	It may please be explained whether the vehicles availing the parking lot will also include mini-buses / feeder buses supporting the Metro and if so will they also use the same payment media / mechanism of other private vehicles e.g. will they be included in the white list of vehicles supported by the system?	-	Parking with CMRL card only. As of now mini buses and feeder buses are out of scope.
40	Will the parking system be expected to accept any 'open-loop' Bank EMV cards / Bank credit cards in the future?	13 of 34, Clause 2.2.1	Hardware to be compatible.
41	Will the parking system be expected to accept other payment media (e.g. interoperable RFID Tags affixed to Vehicles belonging to another payment programs)? If so, should the Parking Management system also interface with the corresponding CCH/settlement house of the other payment programs?	13 of 34, Clause 2.2.1	Not applicable now
42	Is a parking system based on Hand-held readers (for entry and exit) without entry/exit boom barriers also envisaged for space restricted Parking areas?	13 of 34, Clause 2.2.1	With automatic boom barriers
43	Requirements talk about setting up servers and maintaining them, instead of setting up physical servers can we go with a cloud solution like of Amazon or Microsoft. This will improve the performance, increase scalability, eliminate requirement of server room and reduce cost.	-	Server at CMRL OCC or any other suitable location within CMRL premises.
44	Allow sub-bidders in the tender to participate in more than one proposal. E.g. a tech/software provider should be able to partner with multiple prime bidders as a sub bidder.	-	Will be defined in RFP
45	Please relax eligibility criteria for Start-ups as per GOI directive <a href="http://startupindia.gov.in/MSME_Relaxed_Norms_for_Startups_10_03_2016.pdf">http://startupindia.gov.in/MSME_Relaxed_Norms_for_Startups_10_03_2016.pdf</a>	-	Will be defined in RFP