

AMENDMENT NO: 1 TO THE RFP DOCUMENT dated on 22nd May, 2015

Project Title: Implementation of Public Bicycle Sharing System in Mysuru, Karnataka, India

Bid Reference No: DMA/2015-16/IND 3642

Subsequent to the Pre Bid meeting held on 5th June 2015, the following amendments are made to the bidding documents for the titled project. These amendments shall form part of the bidding documents. The replies/clarifications to the queries received from the potential bidders and further amendments if any to the bidding documents will be uploaded to e procurement link.

S.NO	Bidding Documents Reference	Corresponding Content of Bidding Document	Amended/New Content of Bidding Documents																																		
1.	Section VIII. Special Conditions of Contract, GCC 16.1, SI No.2, Operations and Maintenance cost and operators margin	Operation and Maintenance Cost will be paid on a quarterly basis based upon the quoted Operation and Maintenance Cost for that particular time span.	<u>Operation and Maintenance Cost will be paid on a quarterly basis based upon the quoted Operation and Maintenance Cost for that particular time span.</u> <u>An amount equivalent to quoted operations and maintenance cost for one quarter will be paid as a mobilization advance at the beginning of the operations period against a bank guarantee for an equal amount. The mobilization advance will be deducted in equal instalments from quarterly payments for the entire period of operation.</u>																																		
2.	Section III Evaluation and qualification criteria, Evaluation criteria (ITb 36.3 (d)), Methodology for evaluation of technical bids PAGE 40	<table border="1"> <thead> <tr> <th>No.</th> <th>Parameter</th> <th>Components</th> <th>Proof</th> <th>Pass/ Fail</th> </tr> </thead> <tbody> <tr> <td colspan="5">Organization Strength</td> </tr> <tr> <td>1.</td> <td></td> <td>Average annual turnover of more than Rs. 3 crores in last 3 financial years.</td> <td>Attach audited last 3 financial years financial statement, certified by Chattered Accountant.</td> <td></td> </tr> <tr> <td>2.</td> <td>Organization Strength</td> <td>Credit worthiness statement of more than Rs.6 Crores from a Nationalized Bank.</td> <td>Relevant Bank certificates to be attached.</td> <td></td> </tr> <tr> <td colspan="5">Technical Experience</td> </tr> <tr> <td>3.</td> <td>Prior Experience</td> <td>Operation Experience in Core Sector: Operations of cycle sharing systems with a combined fleet of 500 cycles, each of which has been operational for a consecutive period of two years anytime during the past four years, through an explicit contract/concession. OR</td> <td>Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.</td> <td></td> </tr> </tbody> </table>	No.	Parameter	Components	Proof	Pass/ Fail	Organization Strength					1.		Average annual turnover of more than Rs. 3 crores in last 3 financial years.	Attach audited last 3 financial years financial statement, certified by Chattered Accountant.		2.	Organization Strength	Credit worthiness statement of more than Rs.6 Crores from a Nationalized Bank.	Relevant Bank certificates to be attached.		Technical Experience					3.	Prior Experience	Operation Experience in Core Sector: Operations of cycle sharing systems with a combined fleet of 500 cycles, each of which has been operational for a consecutive period of two years anytime during the past four years, through an explicit contract/concession. OR	Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.		Refer to Annexure no.1				
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			<p>Similar Experience in Public Parking Management using ITS:-</p> <p>Execution or Operation & Maintenance of two Public Parking management system with a parking size of 250 4-wheelers and 500 2-wheelers at a time or 500 ECS, each of which has been operational for at least two years.</p> <p>Public Parking Management would include operation & management of parking system, installation of parking meters, PMS, enforcement of parking and associated civil works required for marking of parking bays etc.</p> <p>OR</p> <p>Similar Experience in Taxi Rental/ Sharing using ITS:-</p> <p>Operations of Taxi Rental/ sharing systems with a combined fleet of 500 taxies with technological interventions like GPS, Vehicle tracking System, online payment mechanism, monitoring and centralized control centre operation and 24x7 Call Centre service etc.</p> <p>The system should be operational for two years as on date.</p>	<p>Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.</p>																																			
3.	Section VI-Schedule of Requirements, Table -2, Page 61	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Task</th> <th>Task to be completed before the end of the indicated month, measured from the date of issue of work order (T), month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submit station siting plan in detail for review.</td> <td>T+1</td> </tr> <tr> <td>2</td> <td>Submit Marketing Plan and Branding Strategy Plan for review.</td> <td>T+1</td> </tr> <tr> <td>3</td> <td>Demonstrate initial prototype of modular stations and cycles.</td> <td>T+1</td> </tr> <tr> <td>4</td> <td>Approval of Final Station siting plan</td> <td>T+2</td> </tr> <tr> <td>5</td> <td>Demonstration of preliminary Website layout and design for PBS</td> <td>T+2</td> </tr> </tbody> </table>	Sr. No.	Task	Task to be completed before the end of the indicated month, measured from the date of issue of work order (T), month	1	Submit station siting plan in detail for review.	T+1	2	Submit Marketing Plan and Branding Strategy Plan for review.	T+1	3	Demonstrate initial prototype of modular stations and cycles.	T+1	4	Approval of Final Station siting plan	T+2	5	Demonstration of preliminary Website layout and design for PBS	T+2	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Task</th> <th>Task to be completed before the end of the indicated month, measured from the date of issue of work order (T), month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submit station siting plan in detail for review.</td> <td>T+1</td> </tr> <tr> <td>2</td> <td>Submit Marketing Plan and Branding Strategy Plan for review.</td> <td>T+1</td> </tr> <tr> <td>3</td> <td>Demonstrate initial prototype of modular stations and cycles.</td> <td>T+1</td> </tr> <tr> <td>4</td> <td>Approval of Final Station siting plan</td> <td>T+2</td> </tr> <tr> <td>5</td> <td>Demonstration of preliminary Website layout and design for PBS Mysuru.</td> <td>T+2</td> </tr> </tbody> </table>	Sr. No.	Task	Task to be completed before the end of the indicated month, measured from the date of issue of work order (T), month	1	Submit station siting plan in detail for review.	T+1	2	Submit Marketing Plan and Branding Strategy Plan for review.	T+1	3	Demonstrate initial prototype of modular stations and cycles.	T+1	4	Approval of Final Station siting plan	T+2	5	Demonstration of preliminary Website layout and design for PBS Mysuru.	T+2
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6	Demonstration of software and hardware prototype including payment processing through various means like Smart Card/ Debit/ Credit Card	T+2
7	Approval of final prototype of stations and cycles.	T+2
8	Approval of Final Marketing Plan	T+2
9	Submit details for a control centre for back office operation	T+2
10	Submit details for maintenance centre/ Workshops	T+2
11	Submit redistribution plans for review.	T+2
12	Approval of website design for Mysuru PBS	T+3
13	Approval of Control Centre for Back office operation	T+3
14	Approval of maintenance centre/ Workshops	T+3
15	Approval of redistribution plans	T+3
16	Approval of software and hardware for processing the customer payment	T+3
17	Identification of 6 locations for registration and cash payment	T+3
18	Submission of Human Resource (HR) Plan for review	T+3
19	Installation of Maintenance Centre and control centre as per the approval given	T+4
20	Marketing activities should be initiated as per the approved marketing plan	T+4
21	Approval of 6 locations for registration and cash payment	T+4
22	Approval of Human Resource (HR) Plan	T+4
23	Installation of 52 docking station with 672 port, 550 cycles and 52 cameras.	T+5
24	Procurement of Shifting Vehicles	T+5
25	Install software and hardware for customer payment processing	T+5
26	Website information and payment processing system is operational.	T+5
27	Installation of Registration Centre as per the approval given	T+5
28	Recruitment of staff, customer service procedures, In-house capacity building work as per the approved HR Plan	T+5
29	Trial run and testing of all system begins (72 docks and 38 cycles)	T+5
30	Debug problem encountered during testing, if any	T+6
31	Public Bicycle System operational for public use	T+6

6	Demonstration of software and hardware prototype including payment processing through various means like Smart Card/ Debit/ Credit Card	T+2
7	Approval of final prototype of stations and cycles.	T+2
8	Approval of Final Marketing Plan	T+2
9	Submit details for a control centre for back office operation	T+2
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12	Approval of website design for Mysuru PBS	T+3
13	Approval of Control Centre for Back office operation	T+3
14	Approval of maintenance centre/ Workshops	T+3
15	Approval of redistribution plans	T+3
16	Approval of software and hardware for processing the customer payment	T+3
17	Identification of 6 locations for registration and cash payment	T+3
18	Submission of Human Resource (HR) Plan for review	T+3
19	Installation of Maintenance Centre and control centre as per the approval given	T+4
20	Marketing activities should be initiated as per the approved marketing plan	T+4
21	Approval of 6 locations for registration and cash payment	T+4
22	Approval of Human Resource (HR) Plan	T+4
23	Installation of 52 docking station with 672 port, 450 cycles and 52 cameras.	T+5
24	Procurement of Shifting Vehicles	T+5
25	Install software and hardware for customer payment processing	T+5
26	Website information and payment processing system is operational.	T+5
27	Installation of Registration Centre as per the approval given	T+5
28	Recruitment of staff, customer service procedures, In-house capacity building work as per the approved HR Plan	T+5
29	Trial run and testing of all system begins (72 docks and 38 cycles)	T+5
30	Debug problem encountered during testing, if any	T+6
31	Public Bicycle System operational for public use	T+6




























*The Purchaser at its sole discretion may extend the overall installation period to 8 months in case of reasons that it may deem to be justifiable.





4.	Section VI, Technical specification, 3.7 Human Resource Plan Pg. 72	Designation	Persons/ Shift	Shifts	Total Manpower	Qualification	Please refer to Annexure 2 for the revised human resource plan.
		Centre Manager	1	1	1	Graduation with good communication skills in English and Kannada; Experience of managing a team of 10-15 person for at least 10 years; Basic IT knowledge	
		IT Manager	1	1	1	BE in Electronics or equivalent qualification with minimum 5 years of experience in related field.	
		Accounts Manager	1	1	1	Bachelor Degree in Commerce or equivalent with minimum experience of 3 years in related field.	
		Web Designer	1	1	1	Bachelor's Degree in science or equivalent; website development skills with multimedia context including management of Social Media.	
		System Engineer	1	1	1	Any graduate with diploma in Network Administration; minimum 2 years of experience as System Administrator; Server Management with experience in handling minimum 20-30 nodes.	
		Operators	2	2	4	Graduation in any stream / diploma with good communication skills in English and Kannada; minimum IT skills.	
		Call center Attendees	1	1	1	Fluent in English in Kannada; minimum IT skills; 18+ years old.	
		Shifting Vehicle Driver	6	1	6	Valid driving license.	
		Shifting Vehicle Helper	6	1	6	18+ years old; any qualification	
		Maintenance Staff	6	1	6	18+ years old; any qualification	
		Registration Centre Staff	6	1	6	Graduation in any field; Fluent in English in Kannada.	
		Security staff in Control Centre.	1	2	2	18+ years old; any qualification.	
Other, if any							

5.	Section VI-Schedule of Requirements, 3. TECHNICAL SPECIFICATIONS, 3.21 Marketing and Outreach	<p>4a.(iv) A popular film star/ sports person with local fan following shall be proposed as Brand Ambassador with the concurrence of the Purchaser. Supplier is expected to organize one promotional event with the brand ambassador.</p> <p>4c.(ii) Supplier is expected to do two promotional events after the launching event with the brand ambassador. The Promotional Events will be organized in the 2nd month and 4th month after event launching. The promotional materials (50 T-Shirts and 100 Caps per events) will be distributed by the Brand Ambassador during the promotional events.</p>	<p>4a.(iv) A popular film star/ sports person with local fan following <u>may be engaged</u> as Brand Ambassador by the purchaser. <u>Cost if any will be borne by the Purchaser.</u> The Supplier is expected to organize one promotional event with the brand ambassador.</p> <p>4c.(ii) Supplier is expected to do two promotional events after the launching event with the brand ambassador engaged by the Purchaser. <u>Costs of engagement of Brand Ambassador will be borne by the Purchaser. The Promotional Events will be organized in the 2nd month and 4th month after event launching.</u> The promotional materials (50 T-Shirts and 100 Caps per events) shall be procured by supplier and will be distributed by the Brand Ambassador during the promotional events.</p>
6.	Section VIII. Special Conditions of Contract, GCC 16.1, SI No.1, Operations and Maintenance cost and operators margin	<p>80% of the capital cost is proposed to be paid on achievement of the following milestones-</p> <p>1. 10% after completing the following preliminary task (1st milestone)-</p> <ol style="list-style-type: none"> i. Submission of final station siting plan ii. Submission of Marketing Plan and Branding Strategy Plan for review. iii. Demonstrate initial prototype of modular stations and cycles iv. Approval of Final Station siting plan v. Demonstration of preliminary Website layout and design for PBS Mysuru. vi. Demonstration of software and hardware prototype including payment processing through various means like Smart Card/ Debit/ Credit Card vii. Approval of final prototype of stations and cycles. viii. Approval of Final Marketing Plan ix. Submission of detail of control centre for back office system x. Submission of detail of maintenance centre/ Workshops xi. Submission of redistribution plan xii. Approval of website design for Mysuru PBS xiii. Approval of Control Centre for Back office operational. xiv. Approval of maintenance centre/ Workshops xv. Approval of redistribution plans xvi. Approval of software and hardware for processing the customer payment xvii. Identification of 6 locations for registration and cash payment xviii. Submission of Human Resource (HR) Plan <p>2. 30% after completing the following Installation task (2nd milestone)-</p> <ol style="list-style-type: none"> i. Setting up a control centre and maintenance centre for back office systems operational. ii. Performing marketing activities as per the Final Marketing Plan. iii. Approval of 6 locations for registration and cash payment iv. Approval of Human Resource (HR) Plan v. Installation of 52 docking station with 672 port, 550 cycles and 52 cameras. vi. Procurement of Shifting Vehicles vii. Install software and hardware for customer payment processing as per the approved HR Plan <p>3. 20% after completing the following operational task (3rd milestone)-</p>	<p>80% of the capital cost is proposed to be paid on achievement of the following milestones-</p> <p>1. 10% of the capital cost is to be paid as a <u>mobilization advance</u> against a bank guarantee for an equivalent amount and will be recovered in 2 equal instalments from the 2nd and 3rd milestone payment.</p> <p>2. 10% after completing the following preliminary task (1st milestone)-</p> <ol style="list-style-type: none"> i. Approval of the final station siting plan. ii. Approval of final prototype of modular stations and cycles. iii. Approval of final marketing plan. iv. Demonstration of preliminary website layout and design v. Demonstration of software and hardware prototype including payment processing through various means like smart card/Debit/Credit Card. vi. Submission of details for control centre back office operations and maintenance centre. vii. Submission of Bicycle redistribution plan <p>3. 20% after completing the following Installation task (2nd milestone)-</p> <ol style="list-style-type: none"> i. Setting up a control centre and maintenance centre for back office systems operational. ii. Performing marketing activities as per the Final Marketing Plan. iii. Approval of 6 locations for registration and cash payment iv. Approval of Human Resource (HR) Plan v. Installation of 52 docking station with 672 port, 450 cycles and 52 cameras. vi. Procurement of Shifting Vehicles vii. Install software and hardware for customer payment processing as per the approved HR Plan <p>4. 40% after completing the following operational task (3rd milestone)-</p> <ol style="list-style-type: none"> i. Website information and payment processing system is operational. ii. Installation of Registration Centre (6 in no.) as per approval given. iii. Recruitment of staff, customer service procedures, In-house capacity building work as per the final HR plan. iv. Trial run and testing of all system components (72 docks and 38 cycles) v. Debug problem encountered during testing, if any <p>5. 10% after running the Public Bicycle Sharing System for first 3 months</p>

		<ul style="list-style-type: none"> i. Website information and payment processing system is operational. ii. Installation of Registration Centre (6 in no.) as per approval given. iii. Recruitment of staff, customer service procedures, In-house capacity building work as per the final HR plan. iv. Trial run and testing of all system begins (72 docks and 38 cycles) v. Debug problem encountered during testing, if any <p>Public Bicycle System operational for public use</p> <p>4. 10% after running the Public Bicycle Sharing System operational for first 3 months.</p> <p>5. 10% after running the Public Bicycle Sharing System operational for next 3 months.</p> <table border="1" data-bbox="498 583 1323 774"> <tr> <td>Remaining Capital Cost</td> <td>20% of the Capital Cost will be paid as a yearly annuity basis over a period of next 5 years beginning from the 2nd year.</td> </tr> </table>	Remaining Capital Cost	20% of the Capital Cost will be paid as a yearly annuity basis over a period of next 5 years beginning from the 2 nd year.	<table border="1" data-bbox="1715 247 2534 438"> <tr> <td>Remaining Capital Cost</td> <td>20% of the Capital Cost will be paid as a yearly annuity basis over a period of next 5 years beginning from the 2nd year.</td> </tr> </table>	Remaining Capital Cost	20% of the Capital Cost will be paid as a yearly annuity basis over a period of next 5 years beginning from the 2 nd year.
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7.	Section VI of Schedule Requirements, 3. TECHNICAL SPECIFICATIONS	<p>The different elements for Public Bicycle Sharing Schemes are as follows-</p> <p>Cycle</p> <p>The Supplier is responsible to procure 550 cycles (530 normal and 20 geared) for Mysuru Public Bicycle Sharing System. The cycles procured for bike sharing, should have straight handlebar with basket, chain cover with safe pedals, aerodynamic rims, unisex frame, adjustable seat, wide tubeless tires, front and rear lights, mud guards and chain guards with inbuilt bicycle lock. The detailed cycle specifications for Mysuru Public Bicycle Sharing System are attached in Section VII, Technical Specification-3.12 (Page No- 81).</p> <p>Docking Stations:</p> <p>The Supplier will be responsible for surveying the site and developing detailed installation drawings. The proposed docking stations will be designed for major ports and minor ports in two different sizes i.e. 50'X6' (15m x1.8m) for major ports (12 locations has been identified out of 52 as major ports) and 35'X6' (10m x1.8m) for minor ports (40 locations have been identified out of 52 as minor ports). The docking stations have to be modular in structure so that it can be installed easily on ground. These stations do not require excavation and trenching, which reduces implementation time and cost. The Supplier has to make an electricity connection to the docking stations and the electricity charges will be borne by the Purchaser only. Further details of docking stations are addressed in the Section VII, Technical Specification-3.13(Page No- 83).</p> <p>The Supplier will present prototype of Cycles and a Station for the Public Bicycle Sharing System to the</p>	<p>The different elements for Public Bicycle Sharing Schemes are as follows-</p> <p>Cycle</p> <p><u>The Supplier is responsible to procure 450 cycles (430 normal and 20 geared) for Mysuru Public Bicycle Sharing System to begin with. However, the goal is to extend the fleet to 550 cycles based on demand.</u></p> <p><u>The Supplier shall quote only the cost of procurement of 450 cycles. However, his attention is invited to Section-II Bidding Data Sheet, ITB Clause no 41.1 of the RFP Document in this regard.</u></p> <p>The cycles procured for bike sharing, should have straight handlebar with basket, chain cover with safe pedals, aerodynamic rims, unisex frame, adjustable seat, wide tubeless tires, front and rear lights, mud guards and chain guards with inbuilt bicycle lock. The detailed cycle specifications for Mysuru Public Bicycle Sharing System are attached in Section VII, Technical Specification-3.12 (Page No- 81). <u>The cycles must be rugged and well built to withstand the conditions of outdoor environment and must be resistant to corrosion. The seats must be durable.</u></p> <p>Docking Stations:</p> <p>The Supplier will be responsible for surveying the site and developing detailed installation drawings. The proposed docking stations will be designed for major ports and minor ports in two different sizes i.e. 50'X6' (15m x1.8m) for major ports (12 locations has been identified out of 52 as major ports) and 35'X6' (10m x1.8m) for minor ports (40 locations have been identified out of 52 as minor ports). The docking stations have to be modular in structure so that it can be installed easily on ground. These stations do not require excavation and trenching, which reduces implementation time and cost. The Supplier has to</p>				

	<p>Purchaser for inspection. If the Purchaser find any discrepancy between the prototype and the technical specifications, then the Supplier will have 30 days to propose a solution. The final designs will be subject to approval from Purchaser only. After receiving approval on the final design, the Supplier may proceed to procure the rest of the Cycles and Stations.</p> <p><u>Control Centre:</u></p> <p>The Supplier should provide for a Central control system which can on a real time basis monitor the operations of the system (all its components). The central control system provides the back bone of the PBS system. The Control Centre will constitute Purchaser’s single point of contact to enable Purchaser to coordinate with the Supplier in the course of the day-to-day operation and management of the Public Bicycle Sharing System. The Supplier shall ensure that the Control Centre is staffed by an adequate number of appropriately qualified personnel and further that there is due coordination between the staff at the Supplier control centre and the Purchaser. The equipment in the control centre should have LCD Panels, High End Computers, Internet Modem, Computer Administrator, Communication System, printers, routers, software’s and other items such as tables, chairs and data racks. The salient features of the Control Centre are stated in the Section VII, Technical Specification-3.15(Page No- 86).</p> <p><u>Shifting Vehicle</u></p> <p>The Supplier shall ensure that the cycles are redistributed on a regular basis between stations to ensure that no station is either empty (without any cycles) or full (with no free dock available) for an extended period of time. The Supplier should:</p> <ul style="list-style-type: none"> • Provide adequate number of vehicles which are used only for the purpose of redistribution of cycles across stations. Further details are attached in Section VII, Technical Specification 3.14(Page No- 85). <p><u>Maintenance Centre</u></p> <p>The Supplier shall, at their own expense, source space in the Coverage Area for Depots & Workshops. This space should provide space for spare cycles, stations, parts, and other equipment and parking space for redistribution vehicles. Further details of maintenance centre are addressed in the Section VII, Technical Specification-3.16(Page No- 89).</p> <p>The Supplier shall source and install the maintenance equipment as necessary. Major repairs of the Cycles and Stations which cannot be carried out on the site shall be carried out at the depot/ workshop space developed by the Supplier or provided by a third party.</p> <p>Such location should be accessible and appropriately equipped to manage the Cycle Sharing System. The locations will need to be approved by the Purchaser.</p>	<p>make an electricity connection to the docking stations and the electricity charges will be borne by the Supplier only. Further details of docking stations are addressed in the Section VII, Technical Specification-3.13(Page No- 83).</p> <p>The Supplier will present prototype of Cycles and a Station for the Public Bicycle Sharing System to the Purchaser for inspection. If the Purchaser find any discrepancy between the prototype and the technical specifications, then the Supplier will have 30 days to propose a solution. The final designs will be subject to approval from Purchaser only. After receiving approval on the final design, the Supplier may proceed to procure the rest of the Cycles and Stations.</p> <p><u>The supplier is expected to put mechanism in place to minimize theft and damage of docked cycles and docking stations during non-operational hours.</u></p> <p><u>Control Centre:</u></p> <p>The Supplier should provide for a Central control system which can on a real time basis monitor the operations of the system (all its components). The central control system provides the back bone of the PBS system. The Control Centre will constitute Purchaser’s single point of contact to enable Purchaser to coordinate with the Supplier in the course of the day-to-day operation and management of the Public Bicycle Sharing System. The Supplier shall ensure that the Control Centre is staffed by an adequate number of appropriately qualified personnel and further that there is due coordination between the staff at the Supplier control centre and the Purchaser. 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8.	Section VI of Schedule Requirements, 3. TECHNICAL SPECIFICATIONS, 3.12 Cycle	<p>The bicycles should have the following specification for Mysuru Public Bicycle Sharing System-</p> <table border="1" data-bbox="498 730 1685 1900"> <thead> <tr> <th>Bicycle Part</th> <th>Design Sample</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>Dereuiler</td> <td></td> <td>Used for changing gears. Preventing exposure to dust and rains.</td> </tr> <tr> <td>Chain Cover /Pedals and Stand</td> <td></td> <td>Center stand provides stability and also the pedals very stable. This is critical component that determines the speed cycle and the ease with which we can cycle.</td> </tr> <tr> <td>Frame of the Cycle</td> <td></td> <td>Unisex frame that suits everyone.</td> </tr> <tr> <td>Seat</td> <td></td> <td>Adjustable seat</td> </tr> <tr> <td>Handle</td> <td></td> <td>The cycle should be designed with a porous front basket for carrying personal items. Front baskets are ideal for carrying purses and valuables, which would be subject to theft if carried in a rear rack. The design should prevent the use of the basket for carrying a second passenger.</td> </tr> <tr> <td>RIM</td> <td></td> <td>Aerodynamic rims are better than flat rims.</td> </tr> </tbody> </table>	Bicycle Part	Design Sample	Comments	Dereuiler		Used for changing gears. Preventing exposure to dust and rains.	Chain Cover /Pedals and Stand		Center stand provides stability and also the pedals very stable. This is critical component that determines the speed cycle and the ease with which we can cycle.	Frame of the Cycle		Unisex frame that suits everyone.	Seat		Adjustable seat	Handle		The cycle should be designed with a porous front basket for carrying personal items. Front baskets are ideal for carrying purses and valuables, which would be subject to theft if carried in a rear rack. The design should prevent the use of the basket for carrying a second passenger.	RIM		Aerodynamic rims are better than flat rims.	<p>The bicycles should have the following specification for Mysuru Public Bicycle Sharing System-</p> <table border="1" data-bbox="1715 730 2873 1533"> <thead> <tr> <th>Bicycle Part</th> <th>Design Sample</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>Dereuiler</td> <td></td> <td>Used for changing gears. Preventing exposure to dust and rains.</td> </tr> <tr> <td>Chain Cover /Pedals and Stand</td> <td></td> <td>Center stand provides stability and also the pedals very stable. This is critical component that determines the speed cycle and the ease with which we can cycle.</td> </tr> <tr> <td>Frame of the Cycle</td> <td></td> <td>Unisex frame that suits everyone.</td> </tr> <tr> <td>Seat</td> <td></td> <td>Adjustable seat</td> </tr> </tbody> </table>	Bicycle Part	Design Sample	Comments	Dereuiler		Used for changing gears. Preventing exposure to dust and rains.	Chain Cover /Pedals and Stand		Center stand provides stability and also the pedals very stable. This is critical component that determines the speed cycle and the ease with which we can cycle.	Frame of the Cycle		Unisex frame that suits everyone.	Seat		Adjustable seat
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		<p>RFID Tags</p>  <p>Real-time tracking of cycles and users is made possible by RFID (radio frequency identification device) chips on the user's smart card or key and on the cycle. The terminal and docking units read both RFID tags, linking the identity of the user to that of the cycle that is using. The IT system feeds the information to a control centre via wires or optical fibres or GPRS.</p>				<p>Rim Tape</p> <p>The rim tape is also important. The rim tape protects the tube from Mechanical damage from spoke ends, metal burrs and holes in the rim. An appropriate rim tape must completely and securely cover all spoke holes.</p>
		<p>Tubeless Tyres</p>  <p>The Smart Guard layer made from a flexible, special rubber offers particular resistance to shards of glass and flints. Even a thumbtack cannot penetrate this protective layer. The Smart Guard belt does not increase rolling resistance.</p>		<p>RFID Tags</p>  <p>Real-time tracking of cycles and users is made possible by RFID (radio frequency identification device) chips on the user's smart card or key and on the cycle. The terminal and docking units read both RFID tags, linking the identity of the user to that of the cycle that is using. The IT system feeds the information to a control centre via wires or optical fibres or GPRS.</p>		
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9.	<p>Section VI of Requirements, 3. TECHNICAL SPECIFICATIONS, 3.13 Docking Stations</p>	<p>MCC will supply the selected provider with tentative locations, sizes, and the necessary street space for station installation. The Supplier will be responsible for surveying the site; conducting public outreach to gather input from the public to verify station locations and sizes; developing detailed installation drawings.</p> <p>The proposed docking stations are designed for major ports and minor ports in two different sizes i.e. 50'X6' (15mx1.8m) for major ports (12 locations has been identified out of 52 as major ports) and 35'X6' (10m x1.8m) for minor ports (40 locations have been identified out of 52 as minor ports). Stations to be fitted with bike parking and locking facility for both 10m and 15m docking stations having 12 and 16 cycle docking units respectively. 40 % excess capacity for parking also be provided in a port.</p>	<p>The Purchaser will supply the selected provider with tentative locations, sizes, and the necessary street space for station installation. The Supplier will be responsible for surveying the site; conducting public outreach to gather input from the public to verify station locations and sizes; developing detailed installation drawings.</p> <p>The proposed docking stations are designed for major ports and minor ports in two different sizes i.e. 50'X6' (15mx1.8m) for major ports (12 locations has been identified out of 52 as major ports) and 35'X6' (10m x1.8m) for minor ports (40 locations have been identified out of 52 as minor ports). Stations to be fitted with cycle parking and locking facility for both 10m and 15m docking stations having 12 and 16 cycle docking units respectively.</p> <p><u>The supplier will be responsible for equipping all docking stations with UPS systems sufficient to run the system in full functionality for minimum for 4 hours in case of interruption in power supply.</u></p>			

10.	Section Schedule Requirements, 3. TECHNICAL SPECIFICATIONS, 3.15 Control Centre	VI of	Particulars	Number	Specification	Particulars	Number	Specification
			LED Panel	1	Minimum 48 inches screen size, Screen type LED, USB Port connectivity , Full HD, Resolution- (1920* 1080)P	LED Panel	1	Minimum 48 inches screen size, Screen type LED, USB Port connectivity , Full HD, Resolution- (1920* 1080)P
			Computer with Multimedia	1	High End Processor with minimum process frequency of 2.7 GHZ with Turbo Boost up to 3.2 GHZ; Memory Speed- 1600MT/s; System Memory (RAM)-8GB DDR3; Display Size-21 inches (minimum); Full HD; Display Resolution- (1920* 1080)P; Storage Device-SATA; Internal hard Drive-1TB; Latest Operating System- Windows 8/ LINUX/ MAC; Dedicated Graphic Memory-4GB; Reading Speed-7200RPM; Sensor Resolution-720p Webcam Megapixel; HDMI Ports; Built in Microphone; USB-4*USB 2.0 * USB 3.0, Memory Card Reader-6-in-1 Card Reader	Computer with Multimedia	1	High End Processor with minimum process frequency of 2.7 GHZ with Turbo Boost up to 3.2 GHZ; Memory Speed- 1600MT/s; System Memory (RAM)-8GB DDR3; Display Size-21 inches (minimum); Full HD; Display Resolution- (1920* 1080)P; Storage Device-SATA; Internal hard Drive-1TB; Latest Operating System- Windows 8/ LINUX/ MAC; Dedicated Graphic Memory-4GB; Reading Speed-7200RPM; Sensor Resolution-720p Webcam Megapixel; HDMI Ports; Built in Microphone; USB-4*USB 2.0 * USB 3.0, Memory Card Reader-6-in-1 Card Reader
			Control Centre Computer	8	High End Processor with minimum process frequency of 2.7 GHZ with Turbo Boost up to 3.2 GHZ; Latest Operating System- Windows 8/ LINUX/ MAC ; System Memory-4GB DDR3; Display Size-18 inches; LED Display; Dedicated Graphic Memory-2 GB; Reading Speed-7200RPM; Internal Hard Drive-1 TB; Sensor Resolution-720P Webcam Megapixel; HDMI Ports; Built in Microphone; USB-4*USB2.0; 2* USB3.0; Memory Card Reader- 6-in-1 Card Reader.	Control Centre Computer	8	High End Processor with minimum process frequency of 2.7 GHZ with Turbo Boost up to 3.2 GHZ; Latest Operating System- Windows 8/ LINUX/ MAC ; System Memory-4GB DDR3; Display Size-18 inches; LED Display; Dedicated Graphic Memory-2 GB; Reading Speed-7200RPM; Internal Hard Drive-1 TB; Sensor Resolution-720P Webcam Megapixel; HDMI Ports; Built in Microphone; USB-4*USB2.0; 2* USB3.0; Memory Card Reader- 6-in-1 Card Reader.
			Server	1	Server with Network Operating System in Control Centre to handle a network of minimum 52 nodes that can be scalable up to 100 nodes; Reliable and Auto Recovery configuration with auto data back-up facility; Server Configuration with minimum processor speed of 64*3.8 GHz Power 7 + processor cores or 48* 4.2 GHz Power7 with high storage and memory capacity as per requirements; Secure authentication procedure for Access Control.	Server	1	Server with Network Operating System in Control Centre to handle a network of minimum 52 nodes that can be scalable up to 100 nodes; Reliable and Auto Recovery configuration with auto data back-up facility; Server Configuration with minimum processor speed of 64*3.8 GHz Power 7 + processor cores or 48* 4.2 GHz Power7 with high storage and memory capacity as per requirements; Secure authentication procedure for Access Control.
Data Backup	1	Instantaneous Data Backup for all data for avoiding loss of data in case of any mishap.	Data Backup	1	Instantaneous Data Backup for all data for avoiding loss of data in case of any mishap.			

		Network Connection including cabling, routers, modems, & telephone	1	Internet connection with minimum download speed of 10 mbps; internet connection through cable connection within the control centre; Routers to connect internet with all the control Centre Computer; Wireless connection to get real time information from the docking station.		Network Connection including cabling, routers, modems, & telephone	1	Internet connection with minimum download speed of 10 mbps; internet connection through cable connection within the control centre; Routers to connect internet with all the control Centre Computer; Wireless connection to get real time information from the docking station.
		Server Racks	1	19-inch rack is a standardized frame or enclosure for mounting multiple equipment modules. Each module has a front panel that is 19 inches (482.6 mm) wide, including edges or ears that protrude on each side which allow the module to be fastened to the rack frame with screws.		Server Racks	1	19-inch rack is a standardized frame or enclosure for mounting multiple equipment modules. Each module has a front panel that is 19 inches (482.6 mm) wide, including edges or ears that protrude on each side which allow the module to be fastened to the rack frame with screws.
		Software	1	Able to provide real time information on each docking stations; able to transfer real time information from the Control Centre to the System Administrator; Website and Mobile Phone Apps; Guarantees data security as per Indian Law and International Best practices; Ability to generate report using analytical tools; RFID Technology and information management; Control Centre should be able to remotely lock all docks in case of emergency.		Software	1	Able to provide real time information on each docking stations; able to transfer real time information from the Control Centre to the System Administrator; Website and Mobile Phone Apps; Guarantees data security as per Indian Law and International Best practices; Ability to generate report using analytical tools; RFID Technology and information management; Control Centre should be able to remotely lock all docks in case of emergency.
		Furniture & Furnishing	1	Supplier needs to furnish the given place for efficient use of the system.		UPS	1	<u>The supplier will be responsible for equipping the control centre with UPS sufficient to run the system in full functionality for a minimum period of 4 hours in case of interruption in power supply.</u>
						Furniture & Furnishing	1	Supplier needs to furnish the given place for efficient use of the system.

11.	Section VIII, Special Conditions of the Contract, GCC 16.5	<p>GCC 16.5</p> <p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 21days from receipt of quarterly bills.</p> <p>The interest rate that shall be applied is 2% per annum.</p>	<p>GCC 16.5</p> <p><u>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 30 days from receipt of quarterly bills. However, in case the bills are not in order, the purchaser may refer the same to the supplier with reasons. In such case the 30 days period would start from the date of resubmission of corrected bills by the supplier. Payment of interest will be applicable on the net payment to be paid to the supplier i.e. amount remaining after deduction of penalties, if any. Payment of interest is not applicable on incentive amounts to the supplier.</u></p> <p>The interest rate that shall be applied is 2% per annum.</p>	
12.	Section VI, Schedule or Requirements, 3. TECHNICAL SPECIFICATION, 3.4 PASSENGER FARE DETERMINATION AND COLLECTION, a) Security Deposit	<p><i>a) Security Deposit:</i></p> <p>A refundable Security Deposit will be charged on all users to ensure safety of the system's cycles. Lack of a security deposit could lead to theft of cycles or the cycles not being returned back to the system and being discarded around the city.</p> <p>The Security Deposit should be linked to the insurance amount of cycles and should not exceed an amount of Rs.250 (5% of the cycle cost). Ideally the security deposit charged from each user should be the insurance amount/cycle. This will be charged for both subscription user/ members as well as casual users for the length of their use/membership, at the end of which it would be returned, in case there has been no case of missing cycles attributed to the person's account.</p>	<p><i>a) Security Deposit:</i></p> <p>A refundable Security Deposit will be charged on all users to ensure safety of the system's cycles. Lack of a security deposit could lead to theft of cycles or the cycles not being returned back to the system and being discarded around the city.</p> <p>The Security Deposit should be linked to the insurance amount of cycles and should not exceed an amount of Rs.250. Ideally the security deposit charged from each user should be the insurance amount/cycle. This will be charged for both subscription user/ members as well as casual users for the length of their use/membership, at the end of which it would be returned, in case there has been no case of missing cycles attributed to the person's account.</p>	
13.	Section-1, Instruction to the Bidder, Scope of Bid, Clause 1.1	<p>The Purchaser indicated in the Bidding Data Sheet (BDS), issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VI, Schedule of Requirements. The name and identification number of this National Competitive Bidding (NCB) procurement are specified in the BDS. The name, identification, and number of lots are provided in the BDS.</p> <p>Mysuru City Corporation (hereinafter referred to as "Purchaser") plans to introduce a bicycle based transportation system citywide to provide a low-cost, environmentally friendly mobility option to city residents as well as to the tourists. Cycles will be available through a network of cycle docking stations. Users can check out cycles at one station and return them to any other station in the network.</p> <p>The Mysuru Public Bicycle Sharing System will consist of 550 cycles at 52 docking stations and is scheduled to open in February 2016. The initial coverage area will include key destinations like Race Course, Kukkarahalli Lake, Mysuru Palace, Chamundi Hill, Lashkar Mohalla and Bus Stand etc. The system may be expanded in subsequent phases in future. Bicycle docking stations will be physically integrated with city bus services as well as railway services to enhance public convenience and to encourage people to use</p>	<p>The Purchaser indicated in the Bidding Data Sheet (BDS), issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VI, Schedule of Requirements. The name and identification number of this National Competitive Bidding (NCB) procurement are specified in the BDS. The name, identification, and number of lots are provided in the BDS.</p> <p>Mysuru City Corporation (hereinafter referred to as "Purchaser") plans to introduce a bicycle based transportation system citywide to provide a low-cost, environmentally friendly mobility option to city residents as well as to the tourists. Cycles will be available through a network of cycle docking stations. Users can check out cycles at one station and return them to any other station in the network.</p> <p><u>The Mysuru Public Bicycle Sharing System will consist of 450 cycles at 52 docking stations and is scheduled to open in February 2016.</u> The initial coverage area will include key destinations like Race Course, Kukkarahalli Lake, Mysuru Palace, Chamundi Hill, Lashkar Mohalla and Bus Stand etc. The system may be expanded in subsequent phases in future. Bicycle docking stations will be physically integrated with city bus services as well as railway services to enhance public convenience and to</p>	

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15.	Section VI- Schedule of Requirements, 1.List of Goods and Delivery Schedule	1. List of Goods and Delivery Schedule					1. List of Goods and Delivery Schedule					
		Line Item No.	Description of Goods	Quantity	Final (Site) Destination as specified in BDS	Delivery (as per Incoterms) Date	Line Item No.	Description of Goods	Quantity	Final (Site) Destination as specified in BDS	Delivery (as per Incoterms) Date	
					Delivery period	Bid Security in Indian Rupees				Delivery period	Bid Security in Indian Rupees	
		1.	<i>Cycle without gears</i>	530	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.	Rs. 10,00,000/- (Rs.1 lakh through e-payment, Rs.9 lakhs through Bank Guarantee, which needs to be uploaded along with the technical documents and the original copy of the bank guarantee before the opening of the technical bids.)	1.	<i>Cycle without gears</i>	430	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.
		2.	<i>Cycle with geares</i>	20	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.		2.	<i>Cycle with geares</i>	20	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.
		3.	<i>Cameras</i>	52	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.		3.	<i>Cameras</i>	52	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.
		4.	<i>Shifting Vehicle</i>	6	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.		4.	<i>Shifting Vehicle</i>	6	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.
		5.	<i>Others, if any</i>	-	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.		5.	<i>Others, if any</i>	-	<i>Mysuru and adjoining region.</i>	Within 180 days after signing of the contract.
16.	Time Schedule for Bids	BID REFERENCE		: DMA/2015-16/IND3642		BID REFERENCE		: DMA/2015-16/IND3642				
		Date of commencement of downloading of bid document		: 22 nd May, 2015 at 11:00 am onwards		Date of commencement of downloading of bid document		: 22 nd May, 2015 at 11:00 am onwards				
		Last date for seeking clarification if any		: 1 st June, 2015 at 5:30 pm		Last date for seeking clarification if any		: 1 st June, 2015 at 5:30 pm				
		Pre-Bid Meeting		: 5 th June, 2015 at 11:00 am		Pre-Bid Meeting		: 5 th June, 2015 at 11:00 am				
		Last date for down loading of bid document from the E-procurement platform: http://e-proc.karnataka.gov.in		: 4 th July, 2015 upto 5:30 pm		Last date for down loading of bid document from the E-procurement platform: http://e-proc.karnataka.gov.in		: 31 st July, 2015 upto 5:30 pm				
		Last date and time for bid submission/uploading of bid in E-procurement platform		: 4 th July, 2015 upto 5:30 pm		Last date and time for bid submission/uploading of bid in E-procurement platform		: 31 st July, 2015 upto 5:30 pm				

		Date and time of opening of Technical bids	: 8 th July, 2015 at 11:00 am onwards The bids will be opened on line by the Authorized Officers at the appointed time.		Date and time of opening of Technical bids	: 4 th August, 2015 at 11:00 am onwards The bids will be opened on line by the Authorized Officers at the appointed time.	
		Date and time of opening of Financial bids	: 15 th July, 2015		Date and time of opening of Financial bids	: 11 th August, 2015	
		Place of opening of bids and address for communication	: Mysuru City Corporation, New Sayyaji Rao Rd, Mysuru, Karnataka 570024		Place of opening of bids and address for communication	: Mysuru City Corporation, New Sayyaji Rao Rd, Mysuru, Karnataka 570024	
17.	ITB Clause 27.1	The bid opening shall take place at: Address: : Mysuru City Corporation, New Sayyaji Rao Rd City: Mysuru ZIP Code: 570024 Country: India Date: 8.07.2015. Time: 11:00 hours				The bid opening shall take place at: Address: : Mysuru City Corporation, New Sayyaji Rao Rd City: Mysuru ZIP Code: 570024 Country: India Date: 04.08.2015. Time: 11:00 hours	

ANNEXURE-1

No.	Parameter	Components	Proof	Pass/ Fail
Organization Strength				
4.	Organization Strength	Average annual turnover of more than Rs. 1 crore in last 3 financial years.	Attach audited financial statements for the last 3 financial years , certified by Chartered Accountant.	
5.		Credit worthiness statement of more than Rs.3 Crores from any scheduled bank in India or overseas.	Relevant Bank certificates to be attached.	
Technical Experience				
6.	Prior Experience	<p>Operation Experience in Core Sector:</p> <p>Operations of cycle sharing systems with a combined fleet of 200 cycles, each of which has been operational for a consecutive period of two years anytime during the past four years, through an explicit contract/concession.</p> <p>OR</p>	Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.	
		<p>Similar Experience in Public Parking Management using ITS:-</p> <p>Execution or Operation & Maintenance of two Public Parking management system with a parking size of 250 4-wheelers and 500 2-wheelers at a time or 500 ECS, each of which has been operational for at least two years.</p> <p>Public Parking Management would include operation & management of parking system, installation of parking meters, PMS, enforcement of parking and associated civil works required for marking of parking bays etc.</p> <p>OR</p>	Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.	
		<p>Similar Experience in Taxi Rental/ Sharing using ITS:-</p> <p>Operations of Taxi Rental/ sharing systems with a combined fleet of 500 taxies with technological interventions like GPS, Vehicle tracking System, online payment mechanism, monitoring and centralized control centre operation and 24x7 Call Centre service etc.</p> <p>The system should be operational for two years as on date.</p>	Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof.	

	<p>OR</p> <p>Similar Experience in operation of tolling management systems</p> <p>Operations of Tolling management systems with average vehicle volume of 10000 vehicles/day.</p> <p>The system should be operational for two years as on date.</p>	Necessary documentation (like Work Order/ Work Completion certificate/ evaluation report/ license/ photo documentation/ satisfactory work certification etc.) needs to be attached as proof	
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ANNEXURE - 2

Designation	Persons per Shift	Shifts	Total Manpower	Minimum Qualification
Centre Manager	1	1	1	Graduation with good communication skills in English and Kannada; Experience of managing a team of 10-15 person for at least 10 years; Basic IT knowledge
IT Manager	1	1	1	BE in Electronics or equivalent qualification with minimum 5 years of experience in related field.
Accounts Manager	1	1	1	Bachelor Degree in Commerce or equivalent with minimum experience of 3 years in related field.
Web Designer	1	1	1	Bachelor's Degree in science or equivalent; website development skills with multimedia context including management of Social Media.
System Engineer	1	1	1	Any graduate with diploma in Network Administration; minimum 2 years of experience as System Administrator; Server Management with experience in handling minimum 20-30 nodes.
Operators	2	2	4	Graduation in any stream / diploma with good communication skills in English and Kannada; minimum IT skills.
Call center Attendees	1	1	1	Fluent in English and Kannada; minimum IT skills; 18+ years old.
Shifting Vehicle Driver	6	2	12	Valid driving license.
Shifting Vehicle Helper	6	2	12	18+ years old; any qualification
Maintenance Staff	6	1	6	18+ years old; any qualification
Registration Centre Staff	6	1	6	Graduation in any field; Fluent in English and Kannada.
Security staff in Control Centre.	1	2	2	18+ years old; any qualification.
Kiosk attendee*	12	1	12	Fluent in English and Kannada; minimum IT skills; 18+ years old.
Other, if any				

*Kiosk Attendees will be required for a period of 6 months from the date of commencement of operation.