

ANNEXURE B FUNCTIONAL EVALUATION CRITERIA

PAY ON FOOT SYSTEM FUNCTIONAL EVALUATION CRITERIA

Evaluation Criteria

Bidders proposals will be evaluated using the criteria articulated herein.

FUNCTIONAL CRITERIA	WEIGHTING (100)	MINIMUM THRESHHOLD (75)
1. Solution implementation methodology	20	15
Practicality and flexibility of approach.		
<p>The Bidder must provide evidence of a practical and flexible approach for implementation. This will be evaluated by scrutinising the implementation methodology provided by the bidder. Specifically, the implementation methodology must include the following (15):</p> <p>a. A complete project plan with timelines clearly showing key milestones and deliverables detailing processes that are necessary for the achievement of such deliverables. Therefore, it must bear evidence of a complete project management life cycle or methodology. The methodology should clearly demarcate the Initiation or Planning, Execution, Implementation, Testing, Post Implementation review and Closure phases of the project. A comprehensive migration or transition plan from the existing to the new system. The solution roll-out must have a minimal or no impact on operations.</p> <p style="margin-left: 40px;">I. Complete Project plan including implementation, migration and rollback plan (15).</p> <p style="margin-left: 40px;">II. Complete implementation and migration plan (12).</p> <p style="margin-left: 40px;">III. Incomplete Project Plan including implementation and migration plan (0).</p>	20	15
<p>b. A detailed commission, testing and quality assurance management plan (5).</p> <p style="margin-left: 40px;">I. Detailed commission, testing and quality assurance plan (5).</p> <p style="margin-left: 40px;">II. Detailed Commission and testing plan (3).</p> <p style="margin-left: 40px;">III. Incomplete Commission Plan with and/or with No quality assurance and quality management plan (0).</p>		

2. Technical capability and experience of project resources	30	20
Bidders must submit proof of qualifications and experience of individuals in the form of detailed CVs with the inclusion of certificates/qualifications.		
<p style="text-align: center;"><u>Key resources required.</u></p> <p>a. 2 x Parking Management System Subject Matter Expert with 10 years' and above experience, OEM accreditation certification. In addition, the incumbent must also have proven working experience and including Database System & IT networks. (10).</p> <p style="margin-left: 40px;">I. 10 years' and above experience and all required certifications (10).</p> <p style="margin-left: 40px;">II. 7 to 10 years' experience with all required certifications (7).</p> <p style="margin-left: 40px;">III. Less than 7 years (0)</p>		
<p>b. 2 x Technicians with at least 7 years' experience in supporting parking services and parking technology certification/ Electronics qualification (10).</p> <p style="margin-left: 40px;">I. 7 years' and above experience and all required certifications (10).</p> <p style="margin-left: 40px;">II. 5 to 7 years' experience with all required certifications (7).</p> <p style="margin-left: 40px;">III. Less than 5 years (0).</p>	30	20
<p>c. Project Manager with 10 years' or more experience in managing IT related and Electronics/parking projects. They must also have either PMBOK or PRINCE 2 and any other Project Management qualifications from a recognised institution (10).</p> <p style="margin-left: 40px;">I. 10 years' and above experience and all required certifications (10).</p> <p style="margin-left: 40px;">II. 7 to 10 years' and above experience with required Project Management qualification but no PMBOK or PRINCE 2 (6).</p> <p style="margin-left: 40px;">III. Less than 7 years (0).</p>		
<p>3. Provision of evidence of similar Project Implementations in terms of size and nature –automated pay stations in one site, including intercoms on all components.</p>	20	15
<p>The following information will have required:</p> <p>a. Company profile with relevant credentials. Evidence of successful similar projects implementations in terms of size and nature (i.e. Number of Pay stations, Number of entries and exit. Should include evidence of having worked on a Multi Storey Parkade. Moreover, the bidder's proposal must explicitly give consent must explicitly</p>		

<p>give consent for verification of work and references from current and previous Clients. Contact details of the Clients must be included and must be related to the above projects. ACSA reserves the right to inspect the project implemented of the similar size or nature as stipulated above.</p> <p>I. Bidders submission includes minimum (35 pay stations), (35 Entries) and (35 Exits) all the following (20):</p> <ol style="list-style-type: none"> a. Company profile with relevant credentials b. Evidence of successful similar projects implementations in terms of size and nature c. Explicit consent for verification <p>II. Bidders submission includes minimum (19 pay stations), (17 Entries) and (17 Exits) all the following (15):</p> <ol style="list-style-type: none"> a. Company profile with relevant credentials; b. Evidence of successful similar projects implementations in terms of size and nature; and c. Explicit consent for verification. 	20	15
4. Parking Management System functional requirements.	30	25
<p><u>Parking Management System functional requirements.</u></p> <p>The bidder's submission must incorporate core and critical functionality and capabilities specified in the next sections.</p>		
<p><u>A. Pay on Foot Application (15).</u></p> <ol style="list-style-type: none"> I. The pay on foot system must be able to integrate with MS active directory II. Pre-Booking functionality III. Customized reporting. IV. Integration to LPR, Bay detection and Variable messaging signage V. Loyalty requirements VI. Mobile Payment functionality VII. Offline functioning capability in case of server failure. Detailed explanation of how the solution will function when the server is offline and how information will be transferred to server when communication is restored. <ul style="list-style-type: none"> • Bidders submission includes all the above required functionalities (20). • Bidder's proposal includes (IV, VI, & VII) (15). 	20	15

<ul style="list-style-type: none"> • Bidder's proposal does not include ((IV, VI, & VII) (0). 		
<p><u>B. Pay stations (5).</u></p> <ol style="list-style-type: none"> I. Credit card, debit card and cash functionality and should accommodate tap and pay as well as chip and pin. II. Ability to dispense notes and coins of all denominations. Should also be upgradable to accommodate new notes and coins. III. Offline functioning capability in case of server failure. Detailed explanation of how the solution will function when the server is offline and how information will be transferred to server when communication is restored (5). <ol style="list-style-type: none"> a. Bidders submission includes all the above required functionalities (5). b. Bidder's proposal does not include any of the above required functionalities (0). 		
<p><u>C. Entries and exits (5).</u></p> <ol style="list-style-type: none"> I. Credit card, tap and pay functionality on entrance and exit. II. Ticket dispenser and acceptor functionality. III. Offline functioning capability in case of server failure. Detailed explanation of how the solution will function when the server is offline and how information will be transferred to server when communication is restored (5): <ol style="list-style-type: none"> a. Bidders submission includes all the above required functionalities (5). b. Bidder's proposal does not include any of the above required functionalities (0). 	10	10
Total for functionality	100	75

LICENSE PLATE RECOGNITION FUNFUNCTIONAL EVALUATION CRITERIA

Evaluation Criteria

Bidders proposals will be evaluated using the criteria articulated herein.

FUNCTIONAL CRITERIA	WEIGHTING (100)	MINIMUM THRESHHOLD (75)
1. Technical capability and experience of project resources	20	10
Bidders must submit proof of qualifications and experience of individuals in the form of detailed CVs with the inclusion of certificates/qualifications.		
<p align="center"><u>Key resources required.</u></p> <p>License plate recognition Subject Matter Expert with 10 years' and above experience, OEM accreditation certification. In addition, the incumbent must also have proven working experience and working on databases and networks. (10)</p> <p>a. 10 years' and above experience and all required certifications (10)</p> <p>b. 7 to 10 years' experience with all required certifications (5)</p> <p>c. Less than 7 years (0)</p>	10	5
<p>An LPR Technician with minimum 7 years' experience in LPR integrated parking systems with relevant or related certification/ Electronics qualification (10)</p> <p>a. 7 years' and above experience and all required certifications (10)</p> <p>b. 5 to 7 years' experience with all required certifications (5)</p> <p>c. Less than 5 years (0)</p>	10	5
2. Provision of evidence of similar Project Implementations in terms of size and nature – (entries and exits) automated pay stations in one site, including intercoms on all components.	30	25

<p>Bidder to provide Company Profile with relevant credentials. Evidence of successful similar projects implementations in terms of size and nature (i.e., Number of entries and exit etc). Moreover, the bidder's proposal must explicitly give consent must for verification of work and references from current and previous Clients. Contact details of the Clients must be included and must be related to the above projects. ACSA reserves the right to inspect the project implemented of the similar size or nature as stipulated above (30).</p> <p>a. Bidders submission that includes (35 Entries) and (35 Exits) all the following (30):</p> <ul style="list-style-type: none"> • Company profile with relevant credentials; • Evidence of successful similar projects implementations in terms of size and nature; • Explicit consent for verification 	30	25
<p>b. Bidders submission that includes (17 Entries) and (17 Exits) all the following (25):</p> <ul style="list-style-type: none"> • Company profile with relevant credentials • Evidence of successful similar projects implementations in terms of size and nature • Explicit consent for verification 		
4. License Plate Recognition System functional requirements	50	40
<p><u>License Plate Recognition System functional requirements.</u></p> <p>The bidder's submission must incorporate core and critical functionality and capabilities specified in the next sections.</p>		
<p>A. <u>License plate recognition Integrated with Pay on Foot System</u></p> <p>I. Automatic pop up of vehicle and driver pictures for both entry and exit at control room when an alarm is raised.</p> <p>II. Generation of vehicle reports for entry and exit times by registration number</p> <p>III. Offline functioning capability in case of server failure. Detailed explanation of how the solution will function when the server is offline and how information will be transferred to server when communication is restored</p> <p>IV. LPR should be able to integrate with Online or Mobile Application for seamless processing of white listed vehicles for prearranged parking</p> <p>V. System must be able to blacklist cars (20).</p> <p>a) Bidder meet all the above system requirements (30) b) Bidder proposal includes (I, ii, iii) (20) c) Bidder doesn't meet above system requirements (0)</p>	30	20

<p>B. <u>LPR Cameras</u></p>		
<p>I. Must have Supreme anti-glare capabilities/build in illumination/ Capability to read reflective and no reflective license plate</p> <p>II. Must be open IP standards for plug-and-play integration with 3rd party Automatic Number Plate Recognition Software (ANPR) or Automatic Licence Plate Recognition</p> <p>III. Must Activate detection via software video motion detection or by input/output activation</p> <p>IV. Detection rate and Reading rate must be greater or equal to 95%</p> <p>V. Optical character recognition (OCR) Engine Onboard (15).</p> <p>a) Bidder meet all the above system requirements (15)</p> <p>b) Bidder doesn't meet above camera requirements (0)</p>	<p>10</p>	<p>10</p>
<p><u>Facial/Pinhole Cameras</u></p>		
<p>a. Bidder must provide 5-megapixel 1020p IP cameras (10)</p> <p>c. Bidder does not provide 5-megapixel 1020p IP cameras (0)</p>	<p>10</p>	<p>10</p>
<p>Total for functionality</p>	<p>100</p>	<p>75</p>

BAY DETECTION & VARIABLE MESSAGE SIGNAGE SYSTEM EVALUATION CRITERIA

Bidders proposals will be evaluated using the criteria articulated herein.

FUNCTIONAL CRITERIA	WEIGHTING	MINIMUM THRESHOLD
4. Extent of proposed solution meeting ACSA'S requirements	40	30
<p><u>Bay detection system functional requirements.</u></p> <p>The bidder's submission must incorporate core and critical functionality and capabilities specified below (40).</p>	40	30
<p><u>Bay detection Application Functionality</u></p> <p>I. Must detect all cars irrespective of the height and the way they are parked (20).</p> <p>II. Occupancy report per parking bay and parking area (20)</p> <p>a. All the above specified functionality is evident in the bidder's proposal (20).</p> <p>b. Only one of the above functionalities is evident in the bidder's submission (10).</p> <p>c. None of the above functionality is evident in the bidder's submission (0).</p>		
Variable message signage system functional requirements	60	45
<p><u>Variable message signage system functional requirements.</u></p> <p>The bidder's submission must incorporate core and critical functionality and capabilities specified below (60).</p>	60	45
<p><u>A. VMS Application functionality</u></p> <p>I. Parking bay availability per parking area display boards (20).</p> <p>II. Parking bay indication board per available bays per level (20).</p> <p>III. Solid vandal and weatherproof aluminium LED display board with a minimum of four displays (20).</p> <p>a. All the above functionality is evident in the bidder's submission (60).</p> <p>b. Only two of the above functionalities are evident in the bidder's submission (45).</p> <p>c. Only one of the above functionalities is evident in the bidder's submission (0).</p>		
Total	100	75

MAINTENANCE AND SUPPORT FOR PARKING MANAGEMENT SOLUTION FUNCTIONAL
EVALUATION CRITERIA

Evaluation Criteria		
Bidders proposals will be evaluated using the criteria articulated herein.		
FUNCTIONAL CRITERIA	WEIGHTING	MINIMUM THRESHOLD
1. Maintenance and Support Plan of the POF System	20	15
<p><u>Maintenance and Support Plan of the POF System requirements.</u> The bidder to provide Maintenance Plan that include monthly schedule which includes maintenance activities, and resource allocation.</p> <p>a. Complete maintenance Plan provided (i.e. maintenance activities, schedule for a month and resource plan) with additional maintenance activities not provided by ACSA (20).</p> <p>b. Complete maintenance Plan provided (i.e. maintenance activities, schedule for a month and resource plan) with only ACSA provided maintenance activities (15).</p> <p>c. Incomplete Maintenance Plan or No Maintenance Plan provided (i.e. plan that does not indicate one of the required indicators) (0).</p>	20	15
2. Maintenance and Support Plan of the LPR System	20	15
<p><u>Maintenance and Support Plan of the LPR System</u> The bidder to provide a maintenance plan that includes a monthly schedule incorporating maintenance activities, and resource allocation.</p> <p>a. Complete maintenance plan has been provided (i.e. maintenance activities, schedule for a month and resource plan) with additional maintenance activities not provided by ACSA (20)</p> <p>b. Complete maintenance plan has been provided (i.e. maintenance activities, schedule for a month and resource plan) with only ACSA provided maintenance activities (15)</p> <p>c. Incomplete Maintenance plan provided (i.e. plan that does not indicate one of the required indicators) (0)</p>	20	15

3. Relevant company Experience in Maintenance and Support of proposed POF LPR as well as VMS & Bay Detection systems	20	15
The Bidder's to provide 5 reference letters with letterhead of their clients signed as evidence of experience in support and maintenance of Parking Management Systems stipulated above		
<p>The Bidder must provide a minimum of 5 contactable references as proof for experience in maintenance and support of the above-mentioned systems (20)</p> <p>a. More than 5 contactable references with 7 years' experience (20)</p> <p>b. 5 contactable references with 7 years' experience (15)</p> <p>c. Less than 5 contacts with 7 years' experience (0)</p>	20	15
4. Dedicated resources Experience and Qualifications	20	15
Dedicated resources' experience in support and maintenance of the Parking Management Systems (Senior Technician – 7 or more years' experience; Technician 5 years' experience and Junior Technician – 2 to 3 years' experience)		
<p>The Bidder is required to provide a dedicated team of resources per site (OR Tambo International Airport & King Shaka International Airport) with detailed CV's, required experience and certification/accreditation: Technicians, Senior Technician and Junior Technicians certified/accredited in the proposed Parking Management Systems. The required resource will be the following:</p> <p>I. 5 x OR Tambo Resources:</p> <ul style="list-style-type: none"> • 1 x Senior Technician; • 2 x Technicians and • 2 x Junior Technicians <p>II. 3 x King Shaka Resources:</p> <ul style="list-style-type: none"> • 1 x Senior Technician; • 1 x Technician and • 1 x Junior Technician. <p>a. Resources provided for both sites with more than 7 years' experience and certification/accreditation (20)</p> <p>b. Resources provided for both sites have 6 years' experience and certification/accreditation (15)</p> <p>c. Resources provided for both sites have 5 years' experience and certification/accreditation (0)</p> <p>d.</p>	20	15
5. Quality Management Plan (QMP)	20	15
Quality Management Plan (QMP) – maintenance and support provided.		

The Bidder is required to provide evidence/proof of an existing Quality Management System implemented.		
I. ISO standard & Bidder's own QMP that the bidder will be working on (20)		
II. Bidder's own QMP implemented (15)	20	15
III. No QMP implemented (0)		
TOTAL	100	75