

## **TPL Block Valve IoT Services - Technical Evaluation Template**

**Stage 1 – Compulsory Requirements** (All below requirements need to be satisfied with the backing of supporting documentation in order to proceed with company to the Stage 2 scoring)

**Please select either Yes/No from the below compulsory requirements**

<b>Requirement</b>	<b>Yes</b>	<b>No</b>
<b>PSIRA BUSINESS REGISTRATION</b> The bidder or each party to the bid is required to provide proof of security service provider (Company) registration with Private Security Industry Regulatory Authority (PSIRA) and proof of security service provider (directors/ members/owner(s)) registration with PSIRA. <i>The registration must be valid as at the closing date of the bid.</i>		

**Stage 2 – Scoring** (Below scoring will be allocated using the score's associated with the criteria and added to total Stage 2 total). The minimum qualifying for score for functionality is **70 points**.

**Please score according to items achieved through the solution in the proposal**

<b>Quality Criteria</b>	<b>Weighting points</b>	<b>Scoring Guideline</b>
<b>Technical Capability:</b>		
<b>The project execution/implementation plan and maintenance plan shall include the following:</b>		
A proposal on how the Service Provider (SP) anticipates the installation of the solution throughout the pipeline network. <b>(4)</b>	<b>20</b>	0 = The SP provided a poor approach / Failed to address the question / issue or has not submitted the required information.  50 = The SP provided an acceptable approach to address the question or issue.  100 = The SP provided a detailed and innovative approach.
Satisfactory solution architecture or macro design with explanation, graphics and workflow of the solution. <b>(4)</b>		
How the SP will ensure consistent and reliable connection and communication between sites and control centre even in remote areas with limited network coverage. <b>(4)</b>		
Contingency plan illustrating incident management, risks and vulnerabilities of the solution, with mitigating plans. i.e., In a case of hardware failure, power outage, device theft, network failure and etc. <b>(4)</b>		
Maintenance plan outlines maintenance activities and time periods to complete scheduled maintenance over the contract period. <b>(4)</b>		

**SP to list past/current IoT Intrusion Detection Services projects. These projects shall include design, supply, install and management of more than 50 IoT devices / outdoor devices in a single project in the last three years:**

<p>Signed reference letter, with client name and contact details, project description and duration. <b>(40)</b></p>	<p><b>50</b></p>	<p>0 = Failed to address the question / issue or has not submitted the required information.</p> <p>20 = The SP previous experience presented has no relevance to the scope of this project and did not address any of the required categories. SP generally have experience in <b>one (1)</b> project relating to the scope of works. Hence, the SP has limited or poor evidence of previous experience.</p> <p>40 = The SP previous experience presented has some relevance to the project but lacks detail i.e., Description of previous projects, value and references. SP generally have experience in <b>two (2)</b> projects relating to scope of works.</p> <p>60 = The SP previous experience presented demonstrates sufficient knowledge and experience to successfully execute this project scope. SP generally have experience in <b>three (3)</b> projects relating to the scope of works. The SP has reasonable and relevant previous experience to the particular requirements of the works.</p> <p>80 = The SP previous experience presented demonstrates a real understanding and substantial evidence of the ability meet the stated project requirements. SP generally have experience in <b>four (4)</b> projects relating to the scope of works. The SP has extensive previous experience in relation to the works.</p> <p>100 = The SP previous experience presented demonstrates a real understanding and substantial evidence of the ability meet the stated project requirements. SP generally have experience in <b>five (5)</b> or more projects relating to the scope of works. The SP has extensive previous experience in relation to the works.</p>
---	------------------	--

Contract value <b>(10)</b>		0 = 200k or less 20 = more than 200k but less than 500k 40 = 500k up to 700k 60 = more than 700k but up to 1m 80 = more than 1m but up to 2m 100 = more than 2m
<b>Device Specification Service Provider to provide proof i.e., Manual:</b>		
Device is weatherproof /ip67 rated or higher <b>(3)</b>	<b>22</b>	<b>Yes/No</b>
Specification confirming the system's ability to inform relevant parties of any devices/network/system errors timeously. <b>(3)</b>		
Device is capable of communicating with any of the listed network types. <b>(3)</b>		
Solution has the functionality to allow over-the-air (OTA) configuration of devices. <b>(3)</b>		
Solution functionality provides real time exception reporting of battery levels and network status. <b>(2)</b>		
Solution has the functionality to send periodic signal/heartbeat status every 30 minutes. <b>(2)</b>		
Battery self-powered devices lifespan if programmed to send periodic signal/heartbeat status every 30 minutes More than 1 & 5 years. <b>(2)</b>		
The SP data platform ensures sensitive Transnet data is secured against unauthorised data access, cyber-attack, and hacking. <b>(2)</b>		
Solution includes a ticketing system that allows for the logging and tracking of alarms/faults. Proof of ticketing system required. <b>(2)</b>		

<b>PROPOSED SCHEDULE / Solution Timelines</b>		
<p>SP shall provide the proposed solution timelines, showing but not limited to the following:</p> <ul style="list-style-type: none"> <li>• Ability to execute the works in terms of the Employer's requirements and within the required time-frame indicated in a logical sequence, the order and timing of the installation.</li> <li>• Proposed / planned dates when the SP will need access to any part of the site, submission &amp; approval process &amp; timing for Health &amp; Safety Files. In addition, the schedule must clearly demonstrate the procurement process for all long lead items if applicable.</li> <li>• The SP indicates how he plans in achieving the following dates and clearly demonstrates them on the schedule - Start date, Access date, Planned completion date for Phase 1 &amp; 2 installation.</li> <li>• The timelines must clearly support and demonstrate alignment to the scope of work.</li> </ul>	<p><b>8</b></p>	<p>0 = Failed to address the question / issue or has not submitted the required information.</p> <p>20 = The programme is not acceptable as it will not satisfy project objectives or requirements. The tenderer has misunderstood the scope of work and does not deal with the critical aspects of the overall programme.</p> <p>40 = The programme is not practical and unrealistic, therefore is unlikely to satisfy project objectives or Employer's requirements. The tenderer has misunderstood certain aspects of the scope of the works and does not deal with the critical aspects of the project.</p> <p>60 = The programme contains minor errors or omissions in its demonstration of the sequence, methodology, resource allocations, and underlying approach to provision of the Works as such adequately deals with some but not all the critical characteristics of overall project execution.</p> <p>80 = The programme adequately demonstrates the sequence, methodology, resource allocations, critical success factors, risks and underlying approach to provision of the Works, in line with the requirements of the Scope of Works.</p> <p>100 = Besides meeting the above "80" rating, the important issues are approached in an innovative and efficient way.</p>
<b>Total = Stage 2 Total</b>	<b>100</b>	

**\* Minimum Threshold of 70 points**