

**ANNEXURE A: TECHNICAL EVALUATION**

**TRANSNET REQUEST FOR PROPOSAL [RFP] :**

DESCRIPTION: FOR THE SUPPLY, DEVELOPMENT, INSTALLATION, TESTING AND COMMISSIONING OF THE NATIONAL SMART METERING SYSTEM FOR THE ELECTRICITY AND WATER AT TRANSNET PROPERTY

	Service	Service-Level Agreement or Desired Metric	Prompts of Judgement	Point Allocation	Weightings %	Max Points
Pre-qualification	Eligibility in terms of the Registration:	The installer must have a valid contractor's registration with the Department of Labour as an electrical contractor or the installation electrician must be in the possession of a valid electrical / Wireman's license.	Valid registration document from the Department of Labour			
Pre-qualification	Management professional registration	The tenderer must provide the education, training, and skills of the assigned staff in the specific sector, field, subject, etc. which is directly linked to the scope of work. Proof of education, certification and training must be attached to the C.V.	<p>Project Manager must have a valid PrCPM/PMP/SACPCMP certificate.</p> <p>Civil Engineer must be registered as a Professional Engineer / Professional Engineering technologists with the Engineering Council of South Africa (ECSA) and provide a valid ECSA certificate.</p> <p>Electrical Engineer must be registered as a Professional Engineer with the Engineering Council of South Africa (ECSA) and provide a valid ECSA certificate.</p> <p>Plumber must be registered with the Plumbing Industry Registration Board (PIRB) as a licensed plumber and provide a valid PIRB certificate.</p>			
1	Account team responsiveness	The tenderer must ensure that a dedicated and experienced project team for the duration of the contract period for site assessments and installation.	Provide an organogram with member details, roles and responsibilities of the dedicated project team that will be allocated during the course of the assessment and installation stages of this contract.	Score 0: Failed to provide information - no response. Score 50: No dedicated team provided but organogram of management team provided. Score 100: Dedicated team can be provided with full organogram of all members.	5%	100
2	Site assessment	The tenderer must have the capability to perform mandatory site assessments for each site as per the scope of works.	<p>Provide a detailed proposed plan on how the site assessment will be conducted by means of a (but not limited to) the following critical key elements:</p> <ol style="list-style-type: none"> <li>1. Process map indicating steps taken from start to end of the site assessment,</li> <li>2. The resources involved in the site assessment and their roles and responsibilities,</li> <li>3. All documentation, forms, checklists and approvals that will be used during the assessment,</li> <li>4. Examples of previous assessments done,</li> </ol>	Score 0: Failed to provide information - no response. Score 20: Submitted a detailed plan covering the first key element. Score 40: Submitted a detailed plan covering key elements 1 and 2. Score 60: Submitted a detailed plan covering key elements 1, 2 and 3. Score 80: Submitted a detailed plan covering key elements 1, 2, 3, and 4. Score 100: Submitted a detailed plan covering more than the 4 key elements.	10%	100
3	Online system [Dashboard]	The tenderer must have the capability and platform on an online system i.e. web based, to gather, consolidate, analyse, export and report (dashboard) on the data transmitted from the smart meters to the stakeholders available from the completion of the installation of the first meter.	<p>Screenshots of your online system with the functionality to (but not limited to) provide:</p> <ol style="list-style-type: none"> <li>1. Access, view, download and export all data transmitted,</li> <li>2. Access to the live status of smart meter(s) connected i.e. connection status, tamper alerts, faults etc.</li> <li>3. Access to set all activity from each installed meter on consumption on a various upload frequencies i.e. every 10 seconds, 5 minutes, hourly etc.,</li> <li>4. A central asset inventory of all installed assets including but not limited to specifications of the unit, software configuration, asset custodian, consumption data, municipality,</li> <li>5. Update asset inventory for replaced and upgraded units.</li> <li>6. Provide a Utilities, Energy and/ or Inventory management online solution.</li> </ol>	Score 0: Failed to provide information - no response. Score 20: Provided functionalities 1 - 2. Score 40: Provided functionalities 1 - 3. Score 60: Provided functionalities 1 - 4. Score 80: Provided functionalities 1 - 5. Score 100: All 6 functionalities provided.	5%	100
4	Hardware availability	The tenderer must ensure that sufficient smart meters based on the specification provided are can be made available upon completion of the first site assessment.	Confirmation by means of an approved agreement and or confirmation of supply i.e. bill of quantities, from the hardware supplier / OEM on the number of smart meters for each category i.e. electricity and water, bulk and check meters, that can be made available upon completion of the first site assessment.	Score 0: Failed to provide information - no response - no available units. Score 20: < 20 units available. Score 40: ≥ 20 and < 30 units available. Score 60: ≥ 30 and < 40 units available. Score 80: ≥ 40 and < 50 units available. Score 100: > 50 units available.	5%	100
5	Programme schedule	The tenderer must provide a proposed programme schedule / plan showing a detailed schedule clearly indicating all activities and their sequence and showing input / engagement required from the employer and other critical external stakeholders aligned with the scope of works.	<p>Programme schedule / plan must include the following critical key elements:</p> <ol style="list-style-type: none"> <li>1. Work breakdown structure</li> <li>2. Timelines and schedules (with start and finish date)</li> <li>3. Milestones including deliverables and dependencies</li> <li>4. Resource plan</li> <li>5. Procurement plan of hardware</li> <li>6. Stakeholder communication plan</li> </ol>	Score 0: Failed to provide information - no response. Score 20: Submitted a plan covering key elements 1 and 2. Score 40: Submitted a plan covering key elements 1, 2 and 3. Score 60: Submitted a plan covering key elements 1, 2, 3 and 4. Score 80: Submitted a plan covering key elements 1, 2, 3, 4 and 5. Score 100: Submitted a plan covering all 6 key elements.	10%	100
6	Completion of phase 1	The tenderer must indicate that they can complete phase 1 of the project within 12 months as proposed in their programme schedule / plan.	<p>Provide a detailed plan to indicate the process on how you will facilitate the first phase of the project by means of:</p> <ol style="list-style-type: none"> <li>1. Proposed project plan indicating the roll out for phase 1 based on the SoW,</li> <li>2. Requirements from the tenderer and the stakeholder before the start of phase 1.</li> <li>3. Timelines and milestones for each stage of phase 1 i.e. Site assessment, installation etc.</li> </ol>	Score 0: Failed to provide information - no response. Score 20: Completion of phase 1 > 13 months. Score 40: Completion of phase 1 between 12 to 13 months. Score 60: Completion of phase 1 between 10 to 11 months. Score 80: Completion of phase 1 between 9 to 10 months. Score 100: Completion of phase 1 in < 9 months.	10%	100
7	Management CV's of key personnel	The tenderer must provide the general experience (total duration of construction activity) and positions held of each discipline specific team member. The key staff members' / experts' knowledge of issues which the tenderer considers pertinent to the project e.g., local conditions, affected communities, legislation, techniques etc.	Project Manager must at least have National Diploma qualification and project management experience in the industry.	Score 0: Failed to provide information - no response. Score 20: < 2 years experience. Score 40: ≥ 2 to < 5 years experience. Score 60: ≥ 5 to < 10 years experience. Score 80: ≥ 10 years to < 15 years experience. Score 100: ≥ 15 years experience.	4%	100
			Civil Engineer must at least have bachelor's degree in Civil Engineering and experience in the water industry (Civil).		4%	100
			Electrical Engineer must at least have bachelor's degree in Electrical Engineering and experience in the Electrical industry.		4%	100
			Solution Architect must at least have bachelor's degree in Information Technology (IT) or equivalent and experience in the IT industry.		4%	100
			Installation electricians must have experience in the industry.		2%	100
Registered plumbers must have experience in the industry.	2%	100				
8	Quality plan	The tenderers must submit a project quality plan which satisfies the technical and quality requirements of the works, identifying all procedures, reviews, audits, controls, and records used to control and verify compliance with the works information. The quality plan shall include as a minimum but not limited to General Electrical Works relating to installation, testing, and commissioning of smart metering systems for water and electricity.	Valid ISO 9001 certificate / Quality Control Plan specific to the works information not limited to the following critical key elements: <ol style="list-style-type: none"> <li>1. The tenderers approved Quality Policy</li> <li>2. Quality Manual i.e. procedures, forms, and audit checklists.</li> <li>3. Quality and control organizational structure &amp; responsibilities</li> <li>4. Internal Quality and control processes</li> <li>5. Continuous Improvement framework</li> <li>6. Document Control procedure</li> </ol>	Score 0: Failed to provide information - no response. Score 20: Submitted a plan covering ≤ 2 key elements. Score 40: Submitted a plan covering 3 key elements. Score 60: Submitted a plan covering 4 key elements. Score 80: Submitted a plan covering 5 key elements. Score 100: Submitted a plan covering all key elements OR a valid ISO 9001 certificate.	5%	100
9	Previous experience	The tenderers are required to demonstrate performance in comparable projects of similar nature by supplying a list of past / current comparable projects, construction of similar works as detailed in the works information with reference to; Installation of Metering System and General Electrical Works.	Proof of experience relating to the installation of electrical smart metering by means of completion certificates / letters to substantiate experience indicated on a client letterhead. Proof should include but not be limited to the client name, client contact details, project description, duration of the contract and contract value.	Score 0: Failed to provide information - no response. Score 20: Completed project[s] relating to the SoW with a cumulative contract value < R5M. Score 40: Completed project[s] relating to the SoW with a cumulative contract value ≥ R5M to < R10M. Score 60: Completed project[s] relating to the SoW with a cumulative contract value ≥ R10M to < R20M. Score 80: Completed project[s] relating to the SoW with a cumulative contract value ≥ R20M to < R30M. Score 100: Completed project[s] relating to the SoW with a cumulative contract value ≥ R30M.	5%	100
			Proof of experience relating to the installation of water smart metering by means of completion certificates / letters to substantiate experience indicated on a client letterhead. Proof should include but not be limited to the client name, client contact details, project description, duration of the contract and contract value.		5%	100

		The tenderers are required to demonstrate performance in comparable projects of similar nature by supplying a list of past / current comparable projects, construction of similar works as detailed in the works Information with reference to; Installation of Metering System and General Electrical Works.	Proof of experience relating to Cloud-based Internet of things [IoT] systems handling the collection, processing and analysis of big data by means of completion certificates / letters to substantiate experience indicated on a client letterhead. Proof should include but not be limited to the client name, client contact details, project description, duration of the contract and contract value.	Score 0: Failed to provide information - no response. Score 20: Completed project[s] relating to the SoW with a cumulative contract value <R500K. Score 40: Completed project[s] relating to the SoW with a cumulative contract value ≥ R500K to < R1M. Score 60: Completed project[s] relating to the SoW with a cumulative contract value ≥ R1M to < R2M. Score 80: Completed project[s] relating to the SoW with a cumulative contract value ≥ R2M to < R3M. Score 100: Completed project[s] relating to the SoW with a cumulative contract value ≥ R3M.	5%	100
10	Method statement	The tenderer must as such explain his / her understanding of the objectives of the works and the Employer's stated and implied requirements. Highlight the issues of importance, and explain the construction sequencing that would be adopted to address them. The method statement should explain the methodologies which are to be adopted and demonstrate its compatibility. The approach should also include and outline processes, procedures and associated resources, to meet the requirements and indicate how risks will be managed.	The Method statement should cover following critical key elements: 1. The tenderers interpretation of the scope of work as described in the tender. 2. List objectives in relation to the scope of work outputs. 3. Details of resource training required to deliver the scope of work. 4. What quantitative / qualitative data will be collected during this contract and what analysis will be carried out to assist with decision making. 5. What are the risks that can affect the outputs of the processes and overall outcomes of the SoW and how will these risks be managed / mitigated? 6. What are the actions taken for improving efficiency and effectiveness of the business processes?	Score 0: Failed to provide information - no response. Score 20: Submitted a plan covering key elements 1 and 2. Score 40: Submitted a plan covering key elements 1, 2 and 3. Score 60: Submitted a plan covering key elements 1, 2, 3 and 4. Score 80: Submitted a plan covering key elements 1, 2, 3, 4 and 5. Score 100: Submitted a plan covering all 6 key elements.	15%	100
TOTAL SCORE ANNEXURE A					100%	1700