

EVALUATION CRITERIA

Definition of Synchronous Zones and Optimal Placement of Phasor Measurement Units (PMUs) for Inertia Monitoring and Tracking

1. EVALUATION CRITERIA

FUNCTIONALITY	REQUIREMENTS	SCORE QUALIFICATION	Weighting points																																				
<p>Company Experience:</p>	<p>The tenderer or group of tenderers must demonstrate experience in:</p> <ul style="list-style-type: none"> Defining, researching, or analysing Synchronous Zones in power systems PMU-based monitoring and system stability analysis Conducting inertia studies and renewable energy integration at a utility scale <p>They should also have proven capability in power system modelling, dynamic simulations, and broad knowledge of utility-scale grid operation.</p> <p>Provide a detailed company profile addressing the following:</p> <ul style="list-style-type: none"> Functional structure of the company or group. Services provided and experience of their lead team members in alignment with the scope. 	<p>Bidder to provide a detailed company profile covering all requirements:</p> <table border="1" data-bbox="743 562 1266 1092"> <thead> <tr> <th>Company details</th> <th>Score</th> <th>Measure</th> </tr> </thead> <tbody> <tr> <td>No response</td> <td>0</td> <td>No information</td> </tr> <tr> <td>Functional Structure of company or companies and services provided in line with the project</td> <td>5</td> <td>Provided</td> </tr> <tr> <td>Demonstrated synchronous zone/PMU expertise and scope alignment</td> <td>5</td> <td>Provided</td> </tr> <tr> <td>Total</td> <td>10</td> <td></td> </tr> </tbody> </table> <table border="1" data-bbox="782 1171 1224 1675"> <thead> <tr> <th>Companies experience</th> <th>Score</th> <th>Years' Experience</th> </tr> </thead> <tbody> <tr> <td>No response</td> <td>0</td> <td>No information</td> </tr> <tr> <td>Poor</td> <td>5</td> <td>Less than 1 years</td> </tr> <tr> <td>Satisfactory</td> <td>10</td> <td>1 < Years < 3 years</td> </tr> <tr> <td>Good</td> <td>15</td> <td>3 < Years < 5 years</td> </tr> <tr> <td>Very Good</td> <td>20</td> <td>Years >5</td> </tr> <tr> <td>Total</td> <td>20</td> <td></td> </tr> </tbody> </table>	Company details	Score	Measure	No response	0	No information	Functional Structure of company or companies and services provided in line with the project	5	Provided	Demonstrated synchronous zone/PMU expertise and scope alignment	5	Provided	Total	10		Companies experience	Score	Years' Experience	No response	0	No information	Poor	5	Less than 1 years	Satisfactory	10	1 < Years < 3 years	Good	15	3 < Years < 5 years	Very Good	20	Years >5	Total	20		<p>30</p>
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References / Track Record	Testimonials of previous similar research or implementation work, specifically related to synchronous zones, PMU placement, and inertia assessments.	Attach at least two (2) written testimonials or reference letters (not older than three (3) years) demonstrating prior experience in advanced power system analyses or similar technology deployments. <table border="1" data-bbox="762 183 1225 380"> <thead> <tr> <th>Testimonials/reference letters</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>None (0)</td> <td>0</td> </tr> <tr> <td>One (1)</td> <td>10</td> </tr> <tr> <td>Two (2)</td> <td>20</td> </tr> <tr> <td>Three (3)</td> <td>30</td> </tr> </tbody> </table>	Testimonials/reference letters	Score	None (0)	0	One (1)	10	Two (2)	20	Three (3)	30	30								
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Capability to deliver	<p>The bidder must show clear analysis and alignment of their response to the scope of work, demonstrating the ability to:</p> <ul style="list-style-type: none"> Comprehensively understand the assignment and requirements, specifically the challenges and opportunities related to synchronous zones and PMU-based inertia monitoring in the South African context. Provide a clear and detailed project approach (technical analysis, modelling, and simulation techniques for zone definition and PMU placement). Highlight applicable experience of the resources, emphasizing expertise in power system analysis, grid integration, and PMU-based monitoring. Present a detailed Project Plan with key milestones, timelines, and resource allocation, linked directly to the tasks of zone definition, PMU placement strategy, and inertia mitigation. 	<p>Provide comprehensive and detailed methodologies of the implementation of technical support, including a Project Plan with key milestones, timelines and resource allocation.</p> <table border="1" data-bbox="721 689 1324 1496"> <thead> <tr> <th>APPROACH</th> <th>SCORE</th> <th>Bidders Understanding of the SOW</th> </tr> </thead> <tbody> <tr> <td>No response</td> <td>0</td> <td></td> </tr> <tr> <td>Poor</td> <td>10</td> <td>The approach plan or methodology is not tailored to address the specific project objectives. Deliverables indicated but not specified in a Project Plan.</td> </tr> <tr> <td>Satisfactory</td> <td>20</td> <td>The approach plan or methodology is generic and not tailored to address the specific project objectives. Generic Project Plan provided.</td> </tr> <tr> <td>Good</td> <td>30</td> <td>The approach plan or methodology is specific and tailored to address most of the specific project objectives. Project Plan provided for the specified project activities.</td> </tr> <tr> <td>Very Good</td> <td>40</td> <td>The approach plan or methodology is specific and tailored to addresses all of the required elements in full. Project Plan is comprehensive addressing all elements of the specific project objectives</td> </tr> </tbody> </table>	APPROACH	SCORE	Bidders Understanding of the SOW	No response	0		Poor	10	The approach plan or methodology is not tailored to address the specific project objectives. Deliverables indicated but not specified in a Project Plan.	Satisfactory	20	The approach plan or methodology is generic and not tailored to address the specific project objectives. Generic Project Plan provided.	Good	30	The approach plan or methodology is specific and tailored to address most of the specific project objectives. Project Plan provided for the specified project activities.	Very Good	40	The approach plan or methodology is specific and tailored to addresses all of the required elements in full. Project Plan is comprehensive addressing all elements of the specific project objectives	40
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A total score of **75** should be achieved for a bidder to be evaluated further for Price.