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The Request for Proposal and Subsequent award of a contract for a Turn-key project for the Design, Supply and installation of Solar Photovoltaic (PV), Inverter and Battery Energy Storage System (BESS) and Post Installation Maintenance for a period of 24 months for St Josephs Solar System House Project.

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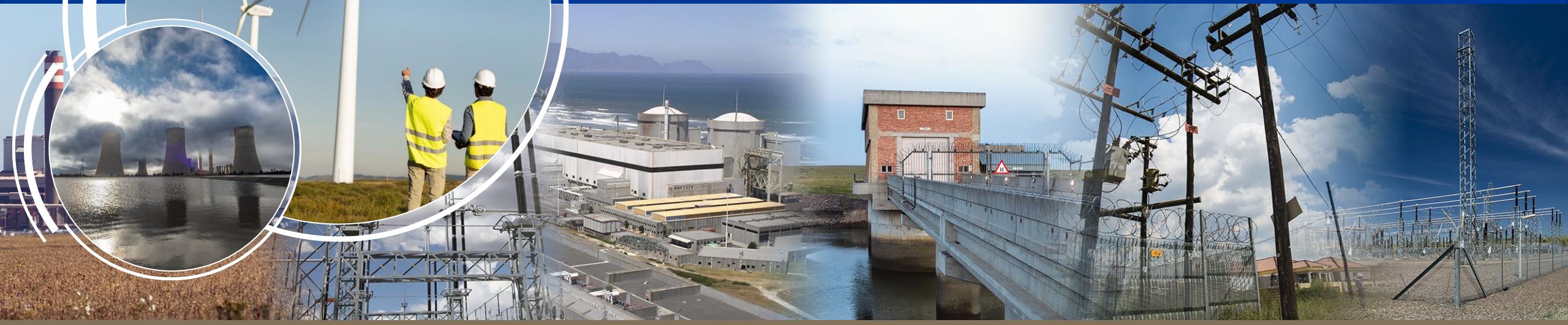
Date: 20 May 2026



Purpose

This presentation is designed to provide an overview of the evaluation criteria for the tender enquiry concerning the design, supply, installation, commissioning, and maintenance of 3kW and 5kW home solar PV systems for the 22 households at MV/LV transformer PUGS26 on St. Josephs NB70 – KZN South Coast. The key areas covered include:

- **Mandatory Evaluation Criteria**
- **Functional Scoring Criteria**

Tender Evaluation Process

- All tenders must meet the mandatory technical criteria. Any tender that fails to meet these criteria will be disqualified, deemed non-compliant, and considered non-responsive.
- Tenders that successfully pass the mandatory phase will proceed to be evaluated against the functional criteria.
- To be considered technically acceptable, a tender must achieve a minimum overall weighted final score of 80% in the functional evaluation.
- Only tenderers who achieve a minimum score of 80% in the Functional Scoring Technical Evaluation Criteria will be eligible to provide further clarifications to ensure full compliance with Eskom's technical requirements. This means that all technical requirements must ultimately be met at 100%.

Technical Returnable Documents

- The primary evaluation criterion is the submission of fully completed Technical Schedules A and B as well as a design report concerning the proposed solution.
- The supporting documents shall include items such as datasheets, technical drawings, brochures, technical manuals, type test certificates, and test reports.
- All supporting documents specifically compiled for the tender, such as site layout drawings, design calculations, and similar materials, must be submitted by the tender closing date.
- **No additional supporting evidence will be accepted after the tender submission deadline.**
- Bidders are advised to structure their submissions systematically to assist the TET in efficiently locating returnable and supporting documents. Utilize the **Technical Submission Pack** for proper organization and clarity.
- The Tenderer must list all deviations in the designated “Deviation Schedule” worksheet, providing clear reasons and any proposed alternatives. The document reference number, title, specific clause, and details of the deviation must also be clearly specified.

Mandatory Evaluation Criteria

Mandatory Evaluation Criteria: Resource Capability [1]

No.	Description of Mandatory Technical Criteria	Tender Returnable	Compliance (YES/NO)
1	**Resource Capability**		
1.1	**Skills Base**		
1.1.1	Electrical Design Engineer/Technologist	a) Qualifications b) ECSA registered Professional Engineer or Professional Technologist.	
1.1.2	Structural Design Engineer/Technologist	a) Qualifications b) ECSA registered Professional Engineer or Professional Technologist.	
1.1.3	Professional Quantity Surveyor	a) Qualifications b) Professional registration with the SA Council for the QS Profession (SACQSP)	
1.1.4	Installation Electrician (IE) or Electrical Tester for single phase applications.	a) IE card issued by the Department of Labour clearly showcasing the IE's registration number. or a) Electrical Tester for Single Phase registered with the Department of Labour (DOL).	

Mandatory Evaluation Criteria: Resource Capability [2]

No.	Description of Mandatory Technical Criteria	Tender Returnable	Compliance (YES/NO)
1.2	**Software and Tools**		
1.2.1	Design and simulation software for solar power systems.	Proof of a valid license/subscription.	
1.2.2	CAD software capable of *.DGN export.	Proof of a valid license/subscription.	
1.3	**Related Experience**		
1.3.1	Related Solar PV and BESS projects.	List of at least three previous roof top/ground or pole mounted solar PV projects that were designed, constructed, and commissioned, indicating installed PV, battery and inverter capacity, year of completion, location and client reference letter which shall include the client's contact details.	

Mandatory Evaluation Criteria: Documentation

No.	Description of Mandatory Technical Criteria	Tender Returnable	Compliance (YES/NO)
2	**Documentation**		
2.1	Submission of Operating and Maintenance (O&M) training manuals.	Operating and Maintenance (O&M) training manuals for the entire Solar PV System.Operating and Maintenance (O&M) training manuals for the entire Solar PV and Battery Energy Storage System (BESS).	
2.2	Submission of completed and signed deviation schedules.	a) Deviation Schedule: PV Module b) Deviation Schedule: Inverter c) Deviation Schedule: Lithium Iron Phosphate Batteries	
2.3	Submission of completed and signed Technical Schedules A and B.	a) Technical Schedule AB: PV Modules b) Technical Schedule AB: Inverter c) Technical Schedule AB: Lithium Iron Phosphate Batteries	
2.4	Submission of confirmation letters verifying adherence to testing and standards for the installation of Solar PV and BESS, specifically for PV modules, inverters, lithium iron phosphate batteries and adherence to corrosion protection standards in the templates provided.	a) LTRINV_ESKSTJ_001 b) LTRPV_ESKSTJ_002 c) LTRLFP_ESKSTJ_003 d) LTRCOR_ESKSTJ_004	
2.5	Submission of all design reports, including the drawings specified in Technical Schedules A and B, for the required technologies.	a) Reports and drawings as specified in Section 4.1 of the Functional Evaluation Criteria. b) PV Panel: OEM drawing showcasing dimensions in metric units (include the drawing & revision number on the submission) c) LFP Batteries: OEM drawing showcasing dimensions in metric units (include the drawing & revision number on the submission)	

Functional Scoring Criteria



Functional Scoring Criteria [1]

No.	Functional Technical Criteria Description	Tender Returnable	Weight
3	**General**		**14%**
3.1	Completed Tenderer Information Schedule	Tenderer Information Schedule	3%
3.2	Operating & Maintenance Training	Submit the facilitator's CV, including relevant qualifications and details of similar training sessions previously conducted in line with the required installation.	3%
3.3	Quality Assurance	PV Green Card Certification or equivalent	4%
3.4	LV authorisation for a resource employed at the tendering company during the tender period.	A copy of the LV authorisation letter issued by Eskom to the relevant resource. or If resource is contracted in: Names, ID numbers, and relevant authorisation letter of the personnel deemed competent must be submitted.	4%

Functional Scoring Criteria [1]

No.	Functional Technical Criteria Description	Tender Returnable	Weight
3	**General**		**14%**
4	**Design Reports**		**30%**
4.1	Design reports concerning the installation of solar PV systems at 22 households at MV/LV transformer PUGS26 on St. Josephs NB70, KwaZulu-Natal South Coast. **Note:** All design reports must be signed off by a Professional Engineer or Technologist registered with ECSA, with expertise in the relevant discipline related to the proposed design, or by a specialist recognized by and registered with the ECSA.	Final Design TEC score	30%

Functional Scoring Criteria [2]

No.	Functional Technical Criteria Description	Tender Returnable	Weight
5	**Submission of Technical and Deviation Schedules**		**50%**
5.1	PV Modules	Technical Schedule A and B	13%
		Deviation Schedule	4%
5.2	Inverters	Technical Schedule A and B	13%
		Deviation Schedule	3%
5.3	Lithium Iron Phosphate Batteries	Technical Schedule A and B	13%
		Deviation Schedule	4%
6	**Maintenance**		**6%**
6.1	Preventative Maintenance Schedule	Submission of a maintenance schedule for all components that are to be installed.	2%
6.2	Corrective Maintenance	A letter, signed by the company's Director, confirming the tenderer's ability to provide corrective maintenance for two (2) years post-installation, including response times for repairs and replacements, must be submitted. If maintenance services are subcontracted, contracts must also be provided.	2%
6.3	Spare Parts List	Provide a detailed list of spare items and associated costs and quantities.	2%

Concluding Insights

- **Two Evaluation Phases:** Mandatory (non-response leads to disqualification) and Functional Scoring (out of 100%).
- **Functional Evaluation:** Minimum threshold of 80% required to proceed to clarification and engagement stages.
- **Ultimate Goal:** Ensure 100% compliance with Eskom's technical requirements for final acceptance.
- Ensure **all required Technical Schedules** and supporting documents are fully completed and submitted by the deadline.
- Organize submissions clearly and systematically using the **Technical Submission Pack** to streamline evaluation.
- Clearly document any deviations in the **Deviation Schedule**, with thorough explanations and references.

By adhering to these guidelines, bidders can enhance the likelihood of achieving technical compliance and a successful evaluation outcome.

Thank You!