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NEC3 Engineering & Construction Contract

PART TWO – TECHNICAL REQUIREMENTS

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.

ENQUIRY NUMBER : E2887DXKZNOU

TENDERER NAME : _____

TENDER CLOSING
DATE : 10:00 AM - 12 JUNE 2026

MANDATORY TECHNICAL EVALUATION CRITERIA

1-M

RESOURCE CAPABILITY

1.1 SKILLS BASE		Page No
1.1.1	Electrical Design Engineer/s	
1.1.2	Structural Design Engineer/Technologist	
1.1.3	Professional Quantity Surveyor	
1.1.4	Installation Electrician (IE) or Electrical Tester for single phase applications.	

1.2 SOFTWARE AND TOOLS		Page №
1.2.1	Design and simulation software for solar power systems.	
1.2.2	CAD software capable of *.DGN export.	

1.3	RELATED EXPERIENCE	Page №
1.3.1	Related Solar PV and BESS projects.	

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DOCUMENTATION

2 DOCUMENTATION		Page №
2.1	Submission of Operating and Maintenance (O&M) training manuals.	
2.2	Submission of completed and signed deviation schedules.	
2.3	Submission of completed and signed Technical Schedules A and B.	
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, the fire system and lithium iron phosphate batteries in the templates provided.	
2.5	Submission of all design reports, including the drawings specified in Technical Schedules A and B, for the required technologies.	

FUNCTIONAL EVALUATION CRITERIA

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GENERAL

1 GENERAL		Page No
1.1	Completed Tenderer Information Schedule	
1.2	Operating & Maintenance Training	
1.3	Quality Assurance	
1.4	LV authorisation for a resource employed at the tendering company during the tender period.	

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DESIGN REPORTS

2	DESIGN REPORTS	Page №
2.1	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.	

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**SUBMISSION OF TECHNICAL
AND DEVIATION SCHEDULES**

3 SUBMISSION OF TECHNICAL AND DEVIATION SCHEDULES		Page №
3.1	PV Modules: Technical Schedule A and B	
3.2	PV Modules: Deviation Schedule	
3.3	Inverters: Technical Schedule A and B	
3.4	Inverters: Deviation Schedule	
3.5	Lithium Iron Phosphate Batteries: Technical Schedule A and B	
3.6	Lithium Iron Phosphate Batteries: Deviation Schedule	

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MAINTENANCE

4	MAINTENANCE	Page №
3.1	Preventative Maintenance Schedule	
3.2	Corrective Maintenance	
3.3	Spare Parts List	