

TENDERING PHASE - Tender Returnables		✓
Tendered proposals shall include the following technical documentation:		
1	Complete submission to cover all requirements of the technical evaluation criteria.	
2	Preliminary design package for review. This shall include relevant power, capacity, etc. calculations of all major electrical equipment, inclusive of the inverters, batteries, AC and DC cabling.	
3	BOM (Bill of Materials), to include detail of individual inverters, BESS / batteries, PV modules, integration equipment, SCADA, metering, major cable, structural works, etc.	
4	BESS specifications, including the minimum guaranteed usable capacity at its DC interface and cycle lifetime with recommended DoD.	
5	Calculated solar DC and AC peak power capabilities, per PGC.	
6	Preliminary power network diagram of the microgrid system.	
7	Preliminary logic diagrams of the control systems.	
8	Preliminary Communication network diagram, including a typical SCADA data/points list.	
9	Basic project schedule, from contract signing to handover.	
10	Details of how each of the modes of operations are achieved by the solution.	
11	Detail of any risks and necessary mitigations that the tenderer has identified.	
12	All other documentation as required by the tender.	
13	List of spares & quantities that should be kept by Eskom (Tenderer to include failure calculations, based on MTBF of equivalent).	
14	Completed Schedule B of 240-170000103	
CVs & Previous related experience		
Proof of previous related experience and company structure		
15	CVs with related experience / competencies for three or more of the company's most experienced staff, in relation to the scope of this project. Ensure the CVs submitted address the design, execution (installation & commissioning), and maintenance experience. <i>Provide CV with years of experience per staff member, indicating the specific experience of each member as required.</i>	
List of <u>similar</u> (relevant) installations projects showing:		
16	i. Value (Rands) and size (in PV peak kW and Battery kWh) of at least three (3) of the largest projects completed in the last two years. Projects provided shall include both PV and Battery storage, enabling a microgrid.	
17	ii. Customer contact information including contact person for projects above,	
18	iii. Complexity of project: For projects completed in the last two years, provide information on experience with: - Hybrid inverters - Large scale commercial solar arrays (>100kW) - Enabling of the different "Modes of operations" as required - SCADA and control systems - Training provided as per this project's scope	