



BOQ & SPECIFICATIONS FOR Solar Geysers on the NUST Hostels

SECTION	BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
				NOTES				
				The Tenderer is advised to refer to the "Model Preambles for all Trades" and relevant SANS standards before pricing this Bill.		0.0		
		1	2	a) The Contractor must attach at least two (2) reference letters from various companies where similar services were provided in the last three (3) years (2022-2024). The letter must be on a company letterhead indicating contact person, dates of service delivery, telephone number and email address and contract awarded amount. (Attach two reference letters clearly indicating the dates when your company executed works of similar nature and the value of the contract awarded).				
				b) The Contractor must provide proof of competence by submitting a certificate/letter of attendance or providing the name of the technician who attended the training and the date of the training from the Southern African Renewable Heating and Cooling and Demonstration Initiative (SOLTRAIN+) or the preceding Southern African Solar Thermal Training & Demonstration Initiative (SOLTRAIN) project through the Namibian Energy Institute (NEI). NEI will verify the attendance from all their list trainings and attendance.				
				c) All solar geysers to be installed must include a 3-year warranty (Contractor must attach letter of warranty from manufacturer or supplier.)				
				d) The Contractor must attach proof of valid certificates for a minimum of three employees holding valid Working at Heights Certification and Scaffolding Erection Certification.				
				e) The Contractor must provide proof of financial capacity to carry out the solar geyser installation works by attaching a) proof from a commercial bank of credit facilities to the financial status of the Contractor's business account and balance in N\$ at the time of bid submission.				
				F) Contractor MUST be registered with the Ministry of Mines and Energy				
1		1	3	Installation to Include: Safe and secure installation on the roof of a two-story structure, including necessary access equipment (e.g., scaffolding, harnesses) and adherence to fall protection regulations. Solar-rated piping (copper or PEX-AL-PEX) and all plumbing connections from the solar system to the internal building plumbing. All mounting hardware, including weather-resistant brackets, rails, and fasteners suited for the specific roof type (metal, tile, etc.). Solar-rated piping and insulation, suitable for high-temperature exposure Temperature and pressure safety relief valves				

1	1		<p>Non-return valves and isolating valves</p> <p>Roof mounting brackets and supports, installed per manufacturer's instructions</p> <p>All penetrations through the roof shall be sealed watertight and certified</p> <p>All works to comply with SANS 1307, SANS 10254 and relevant local authority regulations.</p> <p>The system shall be installed by a qualified solar water heating technician and commissioned for full functionality. Testing and demonstration of the complete system's performance to the Engineer or Principal Agent shall be included in the scope of work.</p> <p>No claim shall be entertained for incompatibility with roof types or structure; the Contractor shall make all allowances necessary to suit site conditions and roof structure.</p>				
1	1		<p>NOTES:1. The Specialist Contractors (hereinafter referred to as the sub-contractor) will be an ordinary sub-contractor of the main contractor and will NOT be a nominated sub-contractor.2. Provisional Sums have been included in this Bill to cover the costs of such various specialist services as may be required. These amounts are NETT and do not include for any builders discount.</p>				
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