



BID DESCRIPTION: APPOINTMENT OF A SERVICE PROVIDER FOR SUPPLY, INSTALLATION AND MAINTENANCE OF HYBRID PV SOLAR SYSTEM FOR A PERIOD OF 36 MONTHS.

BID NO: SANAS/SOLAR/2026-27/02

Queries raised by the bidders during the briefing session:	Response:
Suggestion: Do not specify the number of solar panels required; instead, allow bidders to determine the appropriate number, provided they can achieve the required annual yield of 176.76MWh	Bidder should design the PV solar system to meet the required annual yield. (176.76MWh)
Confirm whether the roof is still under warranty.	The building is insured.
Provide bidders with the load profile.	Provided under the scope of work
Share the Certificate of Compliance (COC).	Will be shared with the recommended successful bidder.
Confirm whether load balancing is included within the scope of this tender.	Included on the pricing schedule
Under the pricing schedule, include the following cost items: a. Professional/Project Management (PG) costs b. Structural engineer costs c. System design and reporting costs	Addressed under the pricing schedule 1. P & G, Structural engineer costs to be included under installation and labour

Clarify the number of resources required and specify the role and requirements for each resource	Five resources are required including a master electrician and ECSA registered professional (for SSEG sign off)
How will the battery be charged	The PV solar system to charge the battery.
Single line diagram of as built	Provided
Queries raised by the bidders via email:	Response:
Batteries: a. It was noted that the proposed existing area under a staircase located inside the building will not be big enough nor suitable to house the required size of batteries. Due to the above, must bidders allow for an external purpose built brick and mortar room (that offers 2 hour fire rating) outside the building (requires council building approval) or a containerised solution?	If indeed the space is not compatible, a containerised solution will be sourced outside this tender as it is not part of the current scope.
General Access: a. Must bidders include walkways, anchor points and safety lines on the solar PV roof installation in their bid? If so, will all bidders be notified to bid on the same requirement in order to compare various bids comparably during adjudication?	This is not within the scope of work.
Contractual: a. Page 41, Section 7.3.a. makes reference to: "a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser".	This will be addressed in the service level agreement under the performance clause.

Must this be offered in the bid, and if so, what is the required percentage (%), and when will the bank guarantee be released back to the installation contractor?	
Submission Extension: We propose that an extension be granted of the current 24 June 2026 submission date.	Agreed, tender will close (include new date)
Inverter Configuration Can we propose multiple parallel hybrid inverters instead of the specified single 150kW inverter (i.e 50-110kW inverters as an example), provided the total AC capacity and functional requirements are achieved?	Restriction has been removed; bidders may propose multiple parallel hybrid inverters.
PV Module Flexibility Can we propose alternative PV module wattages, quantities and manufacturers provided the required DC capacity, energy yield and roof loading limitations are met?, i.e Current market availability may favour 610W, 620W, 650W, 700W+ modules depending on manufacturer.	Flexibility has been granted, subject to meeting the desired annual yield and structural requirement.
Generator Information Please provide: • Generator make and model; • Generator rated kVA; • Existing ATS arrangement; • Existing generator control interface details; • Existing single line diagram.	AS-built drawing provided.
Battery Performance Basis What load profile was used to establish the 300kWh battery size and the stated 4-hour autonomy requirement?	Maximum demand load profile was used to determine
Battery Sizing Alternatives Will alternative battery capacities be accepted if supported by engineering calculations and load analysis?	No, we require what is on the specification
Existing Electrical Infrastructure Please Provide any: • Existing single line diagrams;	Provided

• Main distribution board schedules; • Transformer details; • Maximum demand records.	
Roof Information Please Provide any: • Structural drawings; • Roof layout drawings; • Confirmation of current roof warranty status	Roof layout drawings; Provided Confirmation of current roof warranty status: Addressed above. Further information will be shared the successful recommended bidder.
Fire Protection Must the proposed fire suppression system integrate with the existing building fire detection and alarm system?	No, the proposed fire suppression system should be a standalone
Communications and Monitoring Please clarify we are required to provide: • Remote monitoring; • Cloud-based monitoring; • Data logging; • Energy reporting dashboards.	Added under scope of work and pricing schedule.
Performance Guarantee Is SANAS expecting guaranteed annual energy production, and if so, what minimum performance ratio or yield guarantee must we provide?	Addressed above.
Testing and Commissioning Will SANAS require factory acceptance testing (FAT), site acceptance testing (SAT), or both?	SANAS requires the site acceptance testing and the type approval certificate.
Municipal Approvals Will SANAS provide support documentation for City of Tshwane approvals, or is the successful bidder responsible for obtaining all supporting documentation and approvals?	The successful bidder is responsible for obtaining all supporting documentation and approvals.
Having reviewed the information, I note that the proposed battery location is situated beneath a staircase. I would like to express our concern regarding this position. While lithium battery systems are generally very safe when correctly designed, installed, and maintained, there remains a risk, however small, of thermal runaway in the event of a battery malfunction. Should such an event occur, the location beneath a primary means of egress could pose a significant	Addressed above

safety risk to building occupants and potentially result in extensive property damage.

Our standard approach is to install battery energy storage systems either:

- Outside the building and, where practical, a minimum of 10 metres from occupied structures; or
- Within a dedicated two-hour fire-rated enclosure, incorporating appropriate ventilation, fire detection, and, where required, fire suppression systems.

These principles are generally supported by fire engineers and the insurance industry as best practice for mitigating risk associated with battery storage systems. While current South African regulations do not always prescribe these exact requirements, industry standards and insurer expectations continue to evolve in this direction, and we believe it is prudent to design installations with these considerations in mind.

We are excited about the opportunity to provide a proposal for this project; however, we strongly recommend identifying an alternative location for the battery installation that better aligns with accepted safety practices and minimises risk to personnel and property.