



PART B: SCOPE OF WORK

SA Tourism Tender Number SAT 240/24 - Appointment Competent Bidders for the Supply, Delivery and Installation of Green Energy Solutions and Solar Photovoltaics (Inverters, Lithium-ion Batteries and Solar Panels) at South African Tourism Head Office, Bojanala House.

Bid Description	
Appointment Competent Bidders for the Supply, Delivery, and Installation of Green Energy Solutions and Solar Photovoltaics (Inverters, Lithium-ion Batteries and Solar Panels) at South African Tourism Head Office, Bojanala House.	
Bidder Name:	
CSD MAA number	MAAA
Tender Number:	SAT 240/24
Closing Time:	12h00
Issue Date	13 December 2024
Closing Date:	31 January 2025
Non- Compulsory Briefing Session:	N/A
Contact Person	Thembelihle Nyide
Bid Submission Address	https://e-procurement.southafrica.net Should bidders encounter any issues, queries must be directed in writing to tenders@southafrica.net Bidders are required to complete all the fields before submitting on the above link before uploading a PDF version of the entire proposal; the details are as follows: Bidder/Company name, bidder's representative, contact details (email and mobile), then fully completed bid documents, signed and initial page, and relevant supporting documents for uploads. <u>No tenders transmitted by telegram, hand delivery telex, facsimile, e-mail, or similar apparatus will be considered.</u>
Email Address	tenders@southafrica.net

ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS - (NOT TO BE RE-TYPED)

THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC), AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

1. CLOSING DATE

The closing date for the submission of proposals is **31 January 2025 at 12h00**. No late submissions will be accepted.

2. TENDER SUBMISSION LINK

- 2.1 South African Tourism has developed and implemented an online e-Procurement Portal which will enable bidders to respond to procurement opportunities as and when they are issued by South African Tourism. The portal is the official portal for South African Tourism, which ensures an open, transparent, and competitive environment for any person participating in the procurement processes.

The portal enables a bidder to register as a supplier on the system and to RSVP to tender briefings and to submit tender responses on the portal. The Portal's URL (<https://e-procurement.southafrica.net>) is compatible with Google Chrome, Microsoft Edge, Internet Explorer, FireFox and Safari. Interested bidders should with immediate effect consider registering and submitting their bid proposals on the portal which has specifically been developed and implemented for this purpose.

The supplier user manual can be viewed and downloaded on South African Tourism's website at <https://www.southafrica.net/gl/en/corporate/page/tenders>. All bidders should therefore take note that the physical drop-offs and courier of bid responses to South African Tourism's physical address is no longer permitted.

Prospective tenderers must periodically review both <http://www.southafrica.net/gl/en/corporate/page/tenders> and <https://e-procurement.southafrica.net> for updated information or amendments with regard to this tender, prior to due dates.

- 2.2 Failure on the part of the tenderer to sign/mark this tender form and thus to acknowledge and accept the conditions in writing or to complete the attached forms, questionnaires and specifications in all respects, may invalidate the tender.
- 2.3 Tenders must be completed in black ink where mechanical devices, e.g. typewriters or printers, are not used.
- 2.4 Tenderers will check the numbers of the pages and satisfy themselves that none are missing or duplicated. No liability will be accepted regarding claims arising from the fact that pages are missing or duplicated.

3. CONTACT AND COMMUNICATION

- 3.1. A nominated official of the bidder(s) can make inquiries in writing, to the specified
- 3.2. Bidders are to communicate any technical inquiries through the nominated official in writing, no later than **24 January 2025 at 12h00**. person, Pulane Muligwa via email at **tenders@southafrica.net**. Bidder(s) must reduce all telephonic inquiries to writing and send to the above email address.

All responses will be published by **27 January 2025 at 12h00** on the following links:

<https://www.southafrica.net/gl/en/corporate/page/tenders>

4. VALIDITY PERIOD

The tender proposal must remain valid for at least five (5) months after the tender due date. All contributions/prices indicated in the proposal and other recurrent costs must remain firm for the period of the contract.

5. DURATION OF THE CONTRACT

South African Tourism intends to enter into a contract for Appointment Competent Bidders for the Supply, Delivery and Installation of Green Energy Solutions and Solar Photovoltaics (Inverters, Lithium-ion Batteries and Solar Panels) at South African Tourism Head Office, Bojanala House.

6. DETAILED SCOPE OF WORK

6.1. Background

- 6.1.1. SA Tourism Head Office experienced increased power supply disruptions due to loadshedding and that necessitated the need to re-engineer the current electricity back-up systems. Addressing this need will ensure that SA Tourism Head Office remains operational during the prolonged load shedding stages. This is also in line with the drive of the South African Government to limit out carbon footprint and to utilize alternative green energy sources and solutions.
- 6.1.2. As a result of unstable fuel prices, SA Tourism continues to experience high diesel fuel costs to keep the business running as normal on the stand-by generator. By implication, the stand-by generator ultimately exceeds the run-hours set by the manufacturer leading to frequent major service executed to avoid unplanned major breakdowns.

6.2. Current mitigating solutions implemented at South African Tourism Head Office:

- 6.2.1. Generator Model:
Scania DC1254 400KVA - Diesel Standby Generator Set
- 6.2.2. RT70-2021: Supply and Delivery of Petrol, Automotive Diesel Fuel, Illuminating Paraffin, Marine Gas Oil, Heavy Furnace Oil, Polar Diesel and Aviation Fuel to the State for the period 01 April 2021 to 31 May 2026.
- 6.2.3. UPS Model:
Meissner MP3060 MK2 60KVA UPS Unit

6.3. Scope of Work (SOW)

South African Tourism would like to procure the following goods and services.

6.3.1. Bojanala House Main Deliverables:

- 6.3.1.1. Design the Solar Photovoltaic (PV) Panel System.
- 6.3.1.2. Put together a professional team not limited to duly Registered Solar Installers, Electrical,

Mechanical and Structural Engineers to implement the entire project from design, determine approximate output calculations (see attached City of Johannesburg - City Power Electricity bills) and material quantities, supply, deliver and install including any other work to be done by Electricians and Electrical Contractors and/or Sub-contractors.

Pre-covid Municipal bills 2017/18 - 2020/21 (attached).

Post-covid Municipal bills 2021/22 - 2023/24 (attached).

6.3.1.3. Coordinate all pre-requisite requirements for registrations and applications not limited to National Energy Regulator of South Africa (NERSA), ESKOM, City of Johannesburg Metro (COJ), Green Building Council of South Africa (GBCSA) and other pre-requisite regulatory bodies not listed.

6.3.1.4. Supply, Deliver and full Installation of Solar Photovoltaic (PV) Panels, Inverters and Battery storages.

6.4. Bojanala House Office Output Requirements with all components:

6.4.1. 6 x 12kw 3 Phase Hybrid Inverters (72KW Output) Or Consider 2 x 50kw 3 phase inverters (100KW Output) with Wi-Fi capability for Remote Monitoring included. Hybrid inverters must be versatile to different work modes giving suitability for off-grid, back-up, grid support and self-consumption energy systems - 5 years warranty.

6.4.2. 30 x 48v Lithium batteries (200kWh/160 HV Battery Backup) 10 years warranty.

6.4.3. 450 x 700W Solar panels to cover 1463m² concrete roof-top - 12 years warranty & 20 years linear power output.

6.4.4. 126 x 700W Solar panels to cover 21 parking bays as Photovoltaic (PV) shaded parking system - 12 years warranty & 20 years linear power output.

6.4.5. Total off grid solution disconnected from municipal or local authority electricity grid.

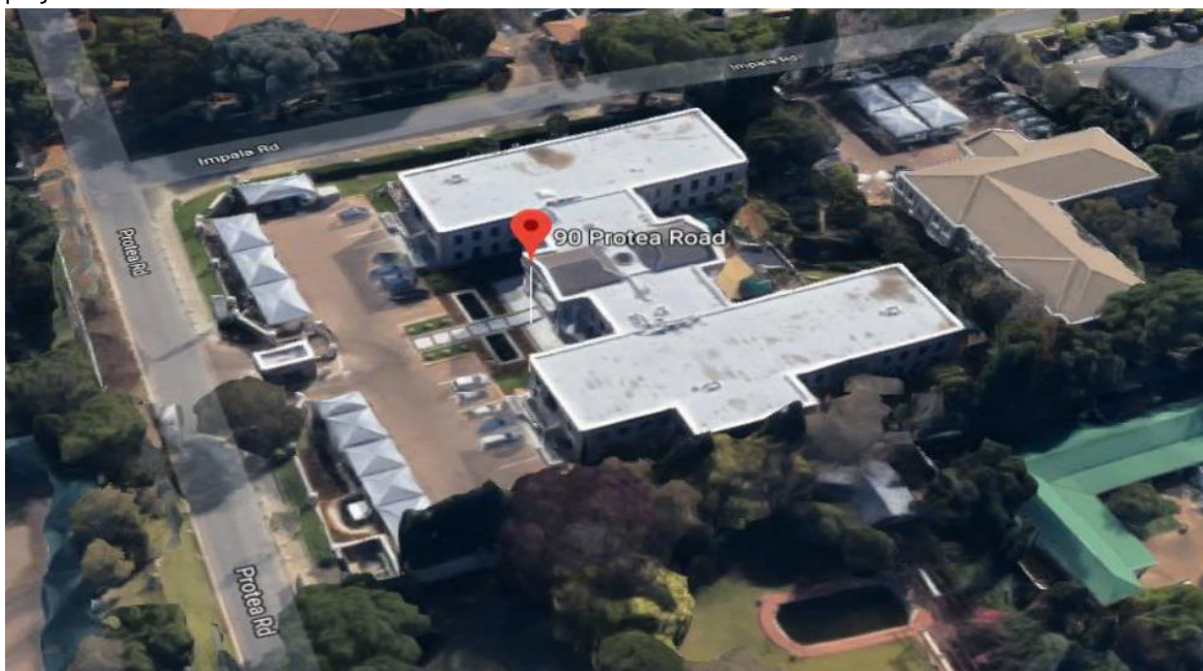
7. PROJECT OUTPUT EXPECTED:

7.1. Implement Green Energy Solutions and Solar Photovoltaics for the benefit of South African Tourism's ultimate goal being totally off grid and be disconnected from municipal or local authority electricity grid.

7.2. Retain the current solutions namely diesel stand-by generator in the current settings.

7.3. Retain the UPS unit solely for the server-room power back-up should all other sources fail.

Compulsory site visit/site viewing for ensuring the quality of the proposals. Attached is the aerial view of the project site.



8. QUALITY

- 8.1. The materials to be supplied must meet the SABS requirements and be from reputable original equipment manufacturer which supplies high quality renewable or green energy solutions and solar photovoltaics equipment and is offering an industry standard warrantee. The supplier must also be able to have a similar or better quality.

END