



## REQUESTS FOR PROPOSALS (RFP)

**RFP NUMBER: 01/2026**

### **RFP DESCRIPTION:**

**REQUEST FOR SUPPLY AND INSTALLATION OF A HYBRID  
INVERTER AND LITHIUM BATTERY STORAGE SYSTEM AND  
INTEGRATION WITH EXISTING 40KWP GRID-TIED ROOFTOP  
SOLAR PV SYSTEM**

**CLOSING DATE: 24 FEBRUARY 2026 TIME: 16:00**

## TABLE OF CONTENTS

---

<b>Nr.</b>	<b>Description</b>	<b>Page</b>
	Request for proposals (advert)	3
1.	Introduction	4
2.	SAPC background	4
3.	Battery energy storage and integration system specifications	5 -6
4.	Service provider organisation duties and responsibilities	6
5.	Desired confidentiality terms and conditions	6 -7
6.	Content proposal	7 -11
7.	Enquiries and submission	12
8.	Evaluation of proposal	12 -15

**ADVERT:**  
**REQUEST FOR SUPPLY AND INSTALLATION OF A HYBRID  
INVERTER AND LITHIUM BATTERY STORAGE SYSTEM AND  
INTEGRATION WITH EXISTING 40KWP GRID-TIED ROOFTOP  
SOLAR PV SYSTEM**

The South African Pharmacy Council (SAPC) invites service providers to submit proposals for the supply and installation of a Hybrid Inverter and Lithium Battery Storage System and integration with the existing 40kWp Grid-Tied Rooftop Solar PV system at 591 Belvedere Street, Arcadia, 0083.

The proposals must be submitted together with company profiles, recent references, latest financial statements, tax compliance status certificates and BBBEE rating scorecards.

**A compulsory briefing session will be held virtually via Microsoft Teams on 12 February 2026 (09h00-11h00).** Log in details of the briefing session and RFP documents are on the Tender page found on our website (<https://www.sapc.za.org/tenders>)

The SAPC subscribes to the Department of Trade and Industry's (DTI) BBBEE Balanced Scorecard for accreditation of all proposals, in accordance with the latest DTI Codes of Good Practice.

Proposals should be submitted in soft copy to Ms Refilwe Mutlane at [tenders@sapc.za.org](mailto:tenders@sapc.za.org), or on a USB stick in a sealed envelope at the SAPC Building, 591 Belvedere Street, Arcadia, 0083.

SAPC is not bound to accept any proposals and reserves the right to cancel, withdraw or decline services/tenders in respect of the proposals received, as well as to re-advertise at its sole discretion.

**The due date for submission of all documents is 24 February 2026**

If you fail to submit the required documents by the closing date, our proposal will be unsuccessful. No company will be allowed to submit documents after the closing date.

## **1. INTRODUCTION**

This document provides guidelines to service providers wishing to submit proposals in terms of Request for Proposals No. 1/2026 – Request for proposals for the supply and installation of a Hybrid Inverter and Lithium Battery Storage System and integration with the existing 40kWp Grid-Tied Rooftop Solar PV system at 591 Belvedere Street, Arcadia, 0083

## **2. SAPC BACKGROUND**

The SAPC is an independent statutory health council established by the legislature in recognition of the pharmacy profession as an exclusive occupational group, and to regulate such profession. The SAPC is responsible for its own funding.

In terms of Section 3 of the Pharmacy Act, 53 of 1974, the objects of the SAPC shall be-

- 2.1 to assist in the promotion of the health of the population of the Republic;
- 2.2 to advise the Minister, or any other person, on any matter relating to pharmacy;
- 2.3 to promote the provision of pharmaceutical care which complies with universal norms and values, in both the public and private sectors, with the goal of achieving definite therapeutic outcomes for the health and quality of life of a patient;
- 2.4 to uphold and safeguard the rights of the general public to universally acceptable standards of pharmacy practice in both the public and private sectors;
- 2.5 to establish, develop, maintain and control universally acceptable standards-
  - 2.5.1 in pharmaceutical education and training;
  - 2.5.2 for the registration of a person who provides one or more or all of the services which form part of the scope of practice of the category in which such person is registered;
  - 2.5.3 of the practice of the various categories of persons required to be registered in terms of this Act;
  - 2.5.4 of the professional conduct required of persons to be registered in terms of the Act; and
  - 2.5.5 of the control over persons registered in terms of this Act by investigating in accordance with this Act complaints or accusations relating to the conduct of registered persons;
- 2.6 to be transparent to the profession and the general public in achieving its objectives, performing its functions, and executing its powers; and
- 2.7 to maintain and enhance the dignity of the pharmacy profession and the integrity of persons practising that profession.

### 3. BATTERY ENERGY STORAGE AND INTEGRATION SYSTEM SPECIFICATION

#### 3.1 Background

The onsite components and system parameters are as follows:

3.1.1 Main breaker connection point: 600A.

3.1.2 Maximum demand measured: 150kW.

3.1.3 Average kWh usage during peak times, Morning: 100kWh, Evening: 67kWh.

SAPC installed a 40kWp grid-tied rooftop solar PV system at the beginning of 2022. The system consists of the following components:

- Inverter: 1 x Solis-40K-5G 3 Phase 10x MPPT – DC
- Panels: 80 x ARTsolar 500W mono PERC panels (ART500-132MHA)

Furthermore, on-site, there are the following:

A 75kVA diesel generator, which only carries small essential loads during loadshedding periods.

- Generator controller: Lovato RGK60

SAPC is now seeking a proposal for a suitable battery energy storage system to carry the building through the peak time municipal tariff to make use of network arbitrage (a Time of Use – ToU system).

#### 3.2 Hybrid Inverter

A 150kW Hybrid inverter is required. It should have a minimum warranty of 5 years and conform to the NRS 097-2-1:2017 specification. The technology must include:

3.2.1 PV loading capacity (MPPTs).

3.2.2 Read and write protocol for EMS integration, with sufficient OEM support.

3.2.3 BMS CANbus interface required for EMS.

3.2.4 Manual operation mode required for external EMS control.

3.2.5 The Manufacturer of the inverter needs to be able to provide:

- Installation manuals
- User manuals
- Modbus register map covering read and write protocols for each parameter
- Manual description of inverter control from EMS

- Document proof: OEM statement, existing project case, datasheet, warranty statement and test sheet confirmation of conformity (NRS).

### **3.3 Battery Energy Storage System (Lithium battery)**

A 150/135kWh battery is required. The battery storage system should have a minimum of a 10-year warranty. Which must:

- 150kWh rated capacity.
- 135kWh usable capacity.

The battery must be able to maintain a capacity of 50mV or less (difference) between the minimum and maximum cell voltages between stacks, with total weekly balancing of less than 6 hours per week.

Document proof: datasheet, warranty statement and test sheets of conformity. **Energy Management System (EMS)**

A hybrid inverter recommended EMS system, which can deliver and integrate different Hardware systems and write (control) them. This has both hardware and software components. The EMS will need to control the hybrid inverter, read the battery values, control the grid-tied inverter and trigger the generator to start to carry the essential loads.

## **4. SERVICE PROVIDER ORGANISATION DUTIES AND RESPONSIBILITIES**

The service provider will be required to fully comply with all requirements/deliverables as stipulated in section 3 of this document.

## **5. DESIRED CONFIDENTIALITY TERMS AND CONDITIONS**

- 5.1 The successful service provider must strictly treat all SAPC's information with a high degree of confidentiality.
- 5.2 The SAPC's information must not be provided to a third party by any means.
- 5.3 The SAPC's information must not be provided to a third party by any means.
- 5.4 The successful service provider must be compliant with the requirements of the POPI Act.
- 5.5 SAPC undertakes to maintain confidentiality relating to any unpublished information you supply to us as part of this RFP and will only use any information provided for the purposes of evaluating this RFP.
- 5.6 South African Pharmacy Council reserves the right:
  - To negotiate with one or more preferred service provider(s) identified in the evaluation process, regarding any terms and conditions, including price without offering the same opportunity to any other service provider(s) who has not been awarded the status of the preferred service provider;

- To carry out site inspections, product evaluations or explanatory meetings in order to verify the nature and quality of the services offered by the service provider(s), whether before or after adjudication of the RFP;
- To correct any mistake at any stage of the RFP that may have been in the RFP documents or occurred at any stage of the RFP process; and
- To cancel and/or terminate the RFP process at any stage, including after the closing date and/or after presentations have been made, and/or after proposals have been evaluated and/or after the preferred service provider has been notified of their status as such.

## 6. CONTENT OF THE PROPOSAL

**The proposal must include the following supporting documentation:**

- 6.1 Company profile and relevant experience. Including information such as:
  - 6.1.1 ESCo tier,
  - 6.1.2 PV Green card certification number,
  - 6.1.3 PrEng, who will be required to sign off on the system for SSEG and system design.
  - 6.1.4 CoC electrician, including LV 3-phase wireman license
  - 6.1.5 List of key employees (required PrEng and CoC electrician on team, does not have to be directly employed but required on team, failure to show team the bidder shall be disqualified). Please include CVs of these key employees, particularly outlining relevant years of experience.
- 6.2 BBBEE rating scorecard.
- 6.3 Valid tax compliance status certificate.
- 6.4 Company registration documents.
- 6.5 Completed Risk Assessment Audit Form (Annexure A)
- 6.6 At least three contactable reference projects.
- 6.7 Pricing must be inclusive of VAT.
- 6.8 CIBD rating of the bidder should be 2EP/2EB or higher.
- 6.8 Any registration of the plant with NERSA and the municipality as an SSEG.
- 6.9 A Service Level Agreement to operate and maintain the plant
- 6.10 Declaration of interest
- 6.11 Letter of Good Standing

- 6.12 Third Party Liability insurance
- 6.13 Standard maintenance contract
- 6.14 Health and safety plan required
  - 6.14.1 The successful service provider will be required to submit a full, detailed health and safety file within seven (7) days of the appointment.
- 6.15 Bidder is to provide and submit at least a level 2 project schedule for the pilot, highlighting the interdependencies of the project, incorporating major project milestones and dates, including:
  - 6.15.1 Detailed Design Completion
  - 6.15.2 Design Reviews
  - 6.15.3 Start of small-scale Embedded Generation applications with the local Municipality. Applications to NERSA of the SSEG are applicable.
  - 6.15.4 Procurement
  - 6.15.5 Site Mobilisation
  - 6.15.6 Construction
  - 6.15.7 Substantial mechanical completion
  - 6.15.8 Substantial electrical completion
  - 6.15.9 Testing and Commissioning
  - 6.15.10 Commercial Operation Date
  - 6.15.11 Final Completion and Site Handover

The Bidder shall indicate in its schedule an appropriate buffer for inclement weather or rain delays typical for the project area.

Estimated procurement lead and construction completion timelines for the projects should take equipment stock and supply chain limitations, and all other considerations into account. Lead times should include, but not be limited to, component sourcing, procurement, installation, commissioning, and testing.

**Other important conditions:**

- 6.16 The prospective service provider is responsible for all costs incurred in the preparation and submission of the proposal.
- 6.17 By accepting to take part in the proposal process, you agree to keep all information shared with you in relation to the proposal process confidential, not to disclose it to third parties and not to use it for purposes other than the proposal.
- 6.18 The SAPC reserves the right not to award this contract.
- 6.19 The SAPC reserves the right to disregard a service provider's proposal should it be found that work was previously undertaken for the SAPC to which poor performance was noted during the execution of such contract in the last 5 years.
- 6.20 Should the bidder present information intentionally incorrectly/fraudulently their proposal will be disqualified.

6.21 It is the responsibility of prospective service providers to ensure that their proposal is submitted before the closing date and time of the RFP, and to ensure that the proposal is received by the SAPC.

6.22 The bidder, in submitting a response to this Tender, shall have established to its own satisfaction the following:

6.22.1 the feasibility of the design;

6.22.2 verified the accuracy of all critical information and survey dimensions, and

6.22.3 that the building structures and electrical systems, as applicable, are deemed adequate and safe to support the construction and operation of the project

6.23 Please note that the Bidder will be fully responsible for compiling and applying to the local authority for permission to connect the facility to the grid and the following NERSA applications:

6.23.1 Construction

The Bidder shall provide to the Host Customer a "Full Turnkey" scope of services for the project at the location, and of the type and characteristics specified in Table 3.

All construction must be done in adherence to national standards and codes, including the NRS 097-2-1:2017 specification for system and utility interfacing.

The Bidder shall proactively manage and be accountable for site safety during the design and construction phases and be cognisant of the role that design can play in reducing hazards and enabling the safety of personnel during construction, operation, and maintenance. Health and Safety on site should be in full compliance with OHS Act 85 of 1993.

6.23.2 Commissioning

The commissioning of the plant must include the provision of all necessary Certificates of Compliance. The Host Customer will witness the testing and commissioning procedure. The Bidder shall provide all testing methodologies, as well as results, to the Host Customer for record-keeping

The Bidder shall ensure that the equipment supplier's factory warranties are applicable and managed by the Bidder for the duration of the warranty period.

Table summary of system scope requirements:

<b>Project Scope Item</b>	<b>South African Pharmacy Council</b>
	<b>Existing AC-coupled system</b>
DC segment	80 modules x 500Wp

Inverter	40kW Solis-40K-5G
BESS segment	
Approximate DC Capacity kWh usable	135 kWh
Approximate DC rated capacity kWh	150 kWh
Inverter	
Hybrid Inverter	150 kW
Location	Outdoors (containerised), an indoor area is required for construction
EMS required	Yes
SCADA, EMS and COMMS	
Monitoring platform required	Yes – with the Host Customer having visibility
Utility bi-directional meter	No
Monitoring platform FTP enabled	No
EMS required for integration of Gen., BESS and Grid-tied inverter	Yes
General	
Permanent access structure	No
Safety line/anchor required	No
Rooftop walkway required	No
Waterpoint	Available
Ablution	Available
Storages	Available
Tie-In Details	
Utility	City of Tshwane
TX Capacity	N/A
Standby Generator Size (essential loads)	1 x 75kVA
Main Client Breaker	600A
Tie-In Voltage	400V
Essential or Non-Essential fed	During a power outage. The output of the inverter should feed both the essential and the non-essential distribution boards. The host client must be able to isolate the non-essential distribution board.
Generator comms.	Levato RGK60
Generator sync and integration	No, but a communication protocol for grid loss to the generator start for essential loads.
SSEG Application and Commissioning	Yes
NERSA Registration > 100 kWp	Yes
Other	
Structural Assessment	Yes, if the Host company SAPC requires an indoor area and ground structural assessment for containerised BESS solution

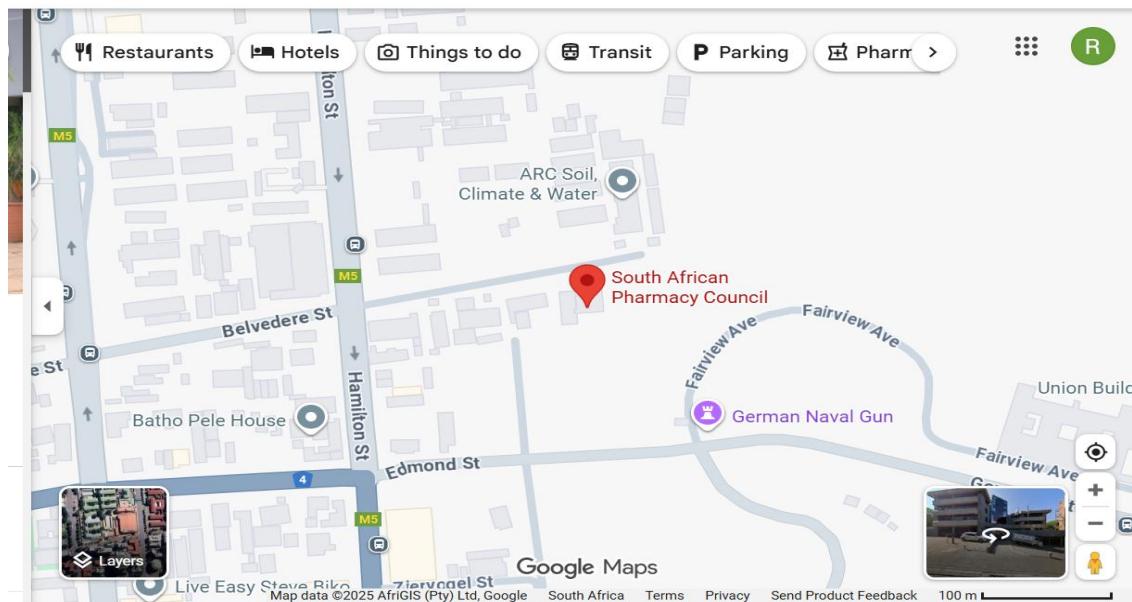
Design Criteria:

<b>Requirements Applicable to all Sites:</b>	
System type	<p>BESS SSEG, hybrid system only, LV injection. The installation proposed by Bidder shall seek to:</p> <ul style="list-style-type: none"> <li>✓ Maximise network arbitrage through BESS ToU configuration.</li> </ul>
Mechanical Structures	<ul style="list-style-type: none"> <li>✓ The Bidder is to consider and pay attention to health and safety aspects when designing the plant. There shall be sufficient setbacks from the roof edges and space between equipment to allow for the safe construction and operation of the plants.</li> </ul>
Generator Interworking	<ul style="list-style-type: none"> <li>✓ The diesel generator should only start when the battery is low. When the diesel generator operates, it should only supply the non-essential loads through the existing infrastructure.</li> </ul>
Point of Connection Configuration	<ul style="list-style-type: none"> <li>✓ <b>LV 400V, 600A AC 3PH +N</b></li> </ul>
Minimum Operational Life	<ul style="list-style-type: none"> <li>✓ 12 years</li> </ul>
Abridged Scope of Work	<ul style="list-style-type: none"> <li>✓ An analysis of the Host-Customer's requirements and an assessment of the site.</li> <li>✓ Suitable placement of the inverter has been suggested, but alternative options can be proposed for consideration.</li> <li>✓ It is required that the Bidder undertake the necessary structural reviews before the start of construction.</li> <li>✓ All materials and methods should take into account the effects of long-term exposure to local environmental factors, including intense sunlight, UV radiation, and wind-induced vibrations.</li> <li>✓ The mechanical design shall be in accordance with applicable national standards for electrical installations in buildings and the applicable edition or revision of the following applicable standards: <ul style="list-style-type: none"> <li>✓ IEC International Electro-Technical Commission</li> <li>✓ IEEE Institute of Electrical and Electronics Engineers</li> <li>✓ NRS National Rationalised Specifications</li> <li>✓ OSHA Occupational Safety Health Act South Africa</li> <li>✓ SABS South African Bureau of Standards</li> <li>✓ SANS South African National Standards</li> <li>✓ Voltage drop on DC power (source) circuits shall be limited to 2% from module to inverter terminals, at rated power.</li> <li>✓ Voltage drop on AC power (collection) circuits shall be limited to 2% from the inverter to the point of interconnection</li> </ul> </li> </ul>
Key Operating Criteria	<ul style="list-style-type: none"> <li>✓ AC system frequency: 50 Hz</li> <li>✓ Interconnection: 3 Phase, Neutral, PE</li> <li>✓ Power factor at POI: [0.9] leading to [0.9] lagging</li> </ul>

Site location:

<https://maps.app.goo.gl/ouskbLdqZDQY1txA8>

South African Pharmacy Council  
591 Belvedere Street  
Arcadia  
0083



#### **Annexure B - Energy demand and consumption data.**

### **7. ENQUIRIES AND SUBMISSION**

7.1 All enquiries must be made in writing and will be responded to during office hours 08:00 to 15:00, Monday to Friday.

Refilwe Mutlane	E-mail	<a href="mailto:tenders@sapc.za.org">tenders@sapc.za.org</a>
-----------------	--------	--------------------------------------------------------------

7.2 Proposals should be submitted by **24 February 2026** at 16:00 in soft copy format to [tenders@sapc.za.org](mailto:tenders@sapc.za.org) or on a USB in a sealed envelope at the SAPC Building, 591 Belvedere Street, Arcadia 0083.

7.3 Proposals not meeting the submission requirements or submitted after the due date will be disqualified.

7.4 If you do not hear from us within 90 days after the closing date, please accept that your proposal was unsuccessful.

### **8. EVALUATION OF PROPOSALS**

8.1 The SAPC will apply the principles of the Preferential Procurement Policy Framework Act, 5 of 2000 (PPPFA), to this proposal.

8.2 The evaluation of the proposals will be based on the 90/10 PPPFA principle and will be done in three (3) phases, namely-

- 8.2.1 Pre-qualifications.
- 8.2.2. Functionality.
- 8.2.3. Pricing and BBBEE.

### **8.3 Phase 1- Pre-qualification Evaluation**

Proposals will be disqualified or excluded by the Adjudicating Committee under any of the conditions listed below:

- 8.3.1 Submission after the deadline.
- 8.3.2 Proposals submitted at an incorrect location.
- 8.3.3 Proposals submitted in the wrong format; other than via email or soft copy on a USB dropped at designated location per Paragraph 7.2 above.
- 8.3.4 Service providers whose tax matters/statuses are not in good standing with the South African Revenue Service (SARS).
- 8.3.5 Proposal not fully completed.
- 8.3.6 BBBEE Original Certificate/Affidavit (not older than 3 Months) not submitted, or an expired certificate is submitted.
- 8.3.7 No company registration documents, and IDs of registered directors are submitted.
- 8.3.8 Required documents for the technical evaluation does not match the tender request or does not comply with Small Scale Embedded Generation (SSEG) requirements as stipulated by the municipality, NERSA or the grid code (datasheets of the components do not comply with the grid code).
- 8.3.9 No key employees that meet the minimal requirement of PrEng or electrician.
- 8.3.10 No Public liability or third party insurance declaration to cover the expected works

### **8.4 Phase 2 - Functionality Evaluation**

- 8.4.1 A total of 27 points (30% of 90) is allocated for the functionality score.
- 8.4.2 A form will be used to evaluate proposals by members of the Tender Committee, and thereafter an average/aggregate score of the Committee will be used.

Where the following applies for the evaluation of segment Functionality as declared above.

**FUNCTIONAL EVALUATION CRITERIA = 27 POINTS (30% OF 90)**

Criteria	Weighting	Total points	Score
Major Equipment Datasheet	<p><i>No datasheet = 0 points</i></p> <p><i>Datasheet aligned to specifications = 5 points</i></p>	5	
Project schedule	<p><i>No project schedule = 0 points</i></p> <p><i>Not a detailed project schedule = 2 points</i></p> <p><i>Detailed project schedule = 5 points</i></p>	5	
Hybrid Inverter	<p><i>Warranty &lt; 5 years = 0 points</i></p> <p><i>Warranty ≥ 5 years = 3 points</i></p> <p><i>Warranty &gt; 5 years = 5 points</i></p>	5	
Battery Energy Storage System	<p><i>Warranty &lt; 10 years = 0 points</i></p> <p><i>Warranty ≥ 10 years = 3 points</i></p> <p><i>Warranty &gt; 10 years = 5 points</i></p>	5	
Track Record and References	<p><i>Less than three (3) projects = 0 points</i></p> <p><i>Equal to or more than three (3) projects = 3 points</i></p>	3	
Key Employees	<p><i>PrEng and Electrician with relevant experience between 5-10 years = 3 points</i></p> <p><i>PrEng and Electrician with relevant experience of more than 10 years = 4 points</i></p>	4	

## 8.5 Phase 3: Pricing and Black Economic Empowerment (BEE)

8.5.1 A maximum of 63 points is allocated for price on the following basis/ formula.

$$Ps = 90 \left( 1 - \frac{Pt - P_{\min}}{P_{\min}} \right)$$

Where -

Ps = Points scored for price of bid under consideration

Pt = Rand value of bid under consideration

Pmin = Rand value of the lowest acceptable bid

8.5.2 A maximum of 10 points is allocated to BBBEE on the following sliding scale.

BBBEE Status	BBBEE Scorecard rating	BBBEE Points
Level 1 Contributor	100 Points and above	10
Level 2 Contributor	Between 85 and 100 points	9
Level 3 Contributor	Between 75 and 85 points	8
Level 4 Contributor	Between 65 and 75 points	5
Level 5 Contributor	Between 55 and 65 points	4
Level 6 Contributor	Between 45 and 55 points	3
Level 7 Contributor	Between 40 and 45 points	2
Level 8 Contributor	Between 30 and 40 points	1
Non-Compliant Contributor	Less than 30	0

8.6 The overall aggregate score for service providers qualifying for consideration at Phase 3 evaluation will be used to recommend appointment to the Executive Committee of SAPC.

Description	Maximum points
Functionality	27
Pricing	63
BBBEE	10
Total Points	100

### Bidder Declaration

I declare that the information furnished in this application is as accurate as any other supporting documents, and that the information is true and correct in every aspect:

Name of applicant

Signature of applicant

Date