



REQUEST FOR INFORMATION (RFI): PHOTOVOLTAIC (PV) SYSTEMS

**SUMMARY: INVITATION OF SUITABLY QUALIFIED SERVICE PROVIDERS TO
PARTICIPATE IN THE RFI PROCESS FOR SOLAR PV
(PHOTOVOLTAIC SYSTEM) AT ARMSCOR HQ**

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1 INTRODUCTION

Armcor SOC (Pty) is exploring ways to improve its electricity supply and reduce dependence on the national grid. One of the solutions being considered is the installation of the solar/photovoltaic (PV) systems at Armcor Head Quarters.

This Request for Information (RFI) is issued to obtain market intelligence from suitable qualified and experienced service providers with proven capability in the design, supply, installation and commissioning of PV system.

2 PURPOSE OF THE RFI

2.1 The purpose of this RFI is intended to:

- Identify and engage qualified service providers capable of delivering a comprehensive PV solution for Armcor;
- Obtain technical and commercial information to inform future procurement strategies;
- Identify innovative and cost-effective solutions with Armcor's operational requirements;
- Support budgeting and planning through indicative pricing.

3 SCOPE AND DELIVERABLES

Armcor requires information on turnkey solar PV solutions that can be deployed across various infrastructure configurations (car parking, etc) within Armcor HQ Facility.

The purpose of the RFI assesses the Feasibility, Viability and the understanding of available/ suitable solutions in the market.

3.1 SCOPE

Site visit and evaluation of existing platforms and advise on possible capacity/ megawatts (power) that can be harvested from the facility.

Questions of interest:

- Is the project feasible (practicality and cost)?
- What technologies/ products and are available?
- Which options are best suited for Armcor HQ?
- What are the indicative costs, risks and lead times?
- Which Vendors can meet the requirement?
- Whats the Payback period?
- Which Regulatory compliance must be adhered to?
- What Funding options are available?
- What are the Technical design alternatives?
- What are the Life cycle/operational/ maintenance implications?

3.2 DELIVERABLES

The RFI response document shall indicate the following:

- Supplier Responses, only those that participated in the RFI will be considered for turn key solution
- Market analysis
- Technical requirements
- Supplier list
- Procurement strategy recommendations
- Risks and constrains considerations

Please refer to the table in Annexure A for more information

4 COMPANY INFORMATION, EXPERIENCE AND CERTIFICATION

Respondents are required to complete all information requested in the table below and also complete the **Response sheet** provided in Annexure A.

Question No.	RFI Question (Scope of Information)	Evidence Required
1	Facility Security Clearance (FSC): Does your company possess a valid Armscor Facility Security Clearance (FSC) Confidential or higher?	Supply a certified copy of the FSC certificate issued by Armscor.
2	FSC Application: If the answer to Question 1 is NO , is your company willing to apply for the required Armscor FSC of confidential or higher when working on the project?	YES/NO confirmation.
3	Company experience: Does your company have the capability and experience to conduct/ facilitate the required RFI studies?	Supply a list of clients (at least 2) to which similar services were rendered and resulted to an actual project being completed (from stage 1 to 6), and the plant must be still operational.
4	Is the company an Original Equipment Manufacturer (OEM) of the solar PV technology or an accredited agent of the OEM?	YES/NO confirmation If yes, supply an OEM confirmation letter/ an accreditation confirmation from the OEM.

5 RESPONSE AND SUBMISSION GUIDELINES

- **Response Format:** Responses must be in writing and submitted by the closing date. Submissions must be in **PDF or MS Word format**. At least one master paper copy and one master electronic copy (Adobe® Acrobat® PDF) are required. All typed text, tables, and figures are also required in a Microsoft® Office® format (MS Word, Excel, et cetera).
- **Confidentiality:** The information in any response shall be treated as Company Confidential. The project is classified as "**Restricted**" and all aspects are subject to **Armcor Security prescriptions**.

Submission Details:

Detail	Information
RFI Reference Number:	RFI/02/2026
Closing Date & Time:	25 August 2026 at 11:00
Submission Method:	Hard copies to be delivered to the Tender Box, Visitors Entrance (Block 8) at the street address below: Armcor Building, 370 Nossob Street, Erasmuskloof Ext 4, PRETORIA, REPUBLIC OF SOUTH AFRICA
Contact Person (for Queries):	Mr. Ledion Mmbengwa
E-mail Address (for Queries):	aopts@armcor.co.za

Note on Pricing: No pricing commitment is required at this stage; indicative costs are for information purposes only. No reimbursement will be made for any costs incurred in preparing responses.

6 SITE VISIT AND VIEWING

A compulsory viewing is scheduled for **11:00 am on 07 July 2026 and on 12 August 2026 at Armcor HQ Canteen**.

7 RESPONDENT CONTACT DETAILS

The respondent shall appoint a single person for communications with Armcor and provide the following details:

Name of contact person	
Full name of company	
Physical Address of the Company	
Postal Address of the Company	
Tel No.	
Fax No.	
E-mail address	

ANNEXURE A

RESPONSE SHEET

No.	QUESTION	Please indicate your response in this column
1.	Brief description of previous experience and Description of the solution that you can offer	
2.	Indicative prices (optional and only for use of RFI's)	
3.	Have you supplied and installed solar PV and for which sizes in the past year?	
4.	Have you supplied and installed the following in the past year? The solar PV components will include the following: a. Hybrid Inverters b. Battery banks (Energy Storage System) c. Solar Panels d. PV Combiner Board e. Distribution Board f. Training	
5.	Are you able to deliver the following? • Maintenance of installed PV Rooftop structure/Parking canopy structure/New ground-mounted plant and Conduct training for the maintenance of the system for the period of at least 12 months after installation handover	

	• Provide detailed design with drawings of the solar PV Power system for approval. • Starting-up and final commissioning of the system and providing test certificates, in coordination with specific standards. • Lifespan of the solar should be 25 years and the solution be fully upgradeable to extend lifespan	
6.	Do you have a ECSA accredited professional engineer to sign off all installations?	
7.	Have you conducted the following in the past five years? Concept design (Including the calculation of the optimum size of the installation and load recordings) • Design philosophy • Detail design, and design training. • Test certificates • Bill of quantities • Bill of materials • Design and as-built drawings • Commissioning documentation • Maintenance (all types) manuals, fault finding manuals, maintenance training. • QEM documents • Environmental impact studies • SHEQ documentation • Checklists	

8.	Are you familiar with the Quality Management? Please elaborate • The service provider shall execute the works in accordance to this document, and shall also develop and implement a comprehensive Quality Management plan aligned to Armscor Quality Control requirements	
9.	Are you able to provide training to Armscor staff? Please elaborate • The service provider is responsible for the training of Armscor staff during the design, construction, operation, and maintenance of the PV Plant. • This includes training material for Operators, Engineers, and Technicians. The training material provided for Engineers are required to be detailed to the level of a System Engineer. • Engineers are required to be able to fully configure any system of the PV installation, including the Control and Monitoring System (CMS).	
10.	Are you familiar with the following standards for inverters? Please elaborate The inverter shall comply with the requirements of the following technical standards: a. SANS/IEC 62109-1, Safety of power converters for use in photovoltaic power systems – Part 1: General Requirements. b. SANS/IEC 62109-2, Safety	

	of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters. c. NRS 097-2-1, Grid Interconnection of Embedded Generation – Part 2: Small scale Embedded Generation – Section 1: Utility Interface	
11.	Are you able to supply and install the following? Crystalline silicon (c-Si) based PV modules shall be used.	
12.	Are you able to provide batteries with the following specifications? Batteries shall support at least 5000 cycles until it reaches 80% of its original (full and usable) capacity. The usable capacity at this (end) cycle-life shall be specified.	
13.	Does your AC & DC Reticulation System comply with the following requirements? - The AC and DC circuit breakers, contactors and switches shall comply with the relevant parts of SANS 60947 series of standards. - Fuse-links for the protection of solar Photovoltaic (PV) energy systems shall comply with all the requirements of SANS 60269-1, Low-voltage fuses Part 1: General requirements and SANS 60269-6:2021, Low-voltage fuses Part 6:	

	Supplementary requirements for fuse links for the protection of solar photovoltaic energy systems. • The PV wires shall comply with SANS 62930, Electric cables for photovoltaic systems with a voltage rating of 1,5 kV DC. • The DC connectors for the PV wires shall comply with SANS 62852, Connectors for DC application in photovoltaic systems - Safety requirements and tests.	
14.	Is your system able to do the following? Please elaborate • The system shall support a detailed, low-level data and information view of each component / device (e.g., inverter, BESS, control units, etc.) in the system. This level should expose all possible data from, and send settings and controls to, the equipment / devices	