

PART A

REQUEST FOR INFORMATION (RFI)

R&D/GER-2023/001

**REQUEST FOR INFORMATION (RFI) FOR THE REFURBISHMENT OR SUPPLY OF A
DRIVE-IN TEST CHAMBER (COLD ROOM) AT GEROTEK TEST FACILITIES IN
ELANDSFONTEIN, PRETORIA WEST.**

DETAILS OF THE BIDDER	
Name of the Bidder	
Company Registration Number	
Telephone Number	
Mobile Number	
Email Address	
Physical Business Address	
Years of experience in the construction or refurbishment of large test chambers, cold rooms or similar products.	
Contact Person	
Signature	

Both part A and B, together with the returnables requested must be submitted electronically
on or before the closing date of
17 August 2023 at 11:00 AM.

COMPULSORY VIEWING SESSION: MONDAY **07 AUGUST 2023**, AT 12H00 WF NKOMO
STREET, WEST EXTENSION, PRETORIA-PELINDABA (R104) AT 13 KM POST

If you do not view this chamber, your proposal will not be considered!

Responses must only be submitted electronically to

MapuleM@armscor.co.za / abtenders@armscor.co.za

PART B

REQUEST FOR INFORMATION – FOR THE REFURBISHMENT OR SUPPLY OF A DRIVE-IN CHAMBER

1. INTRODUCTION

Gerotek Test Facilities, a Division of Armscor SOC Ltd is a multi-disciplinary organisation providing accredited, independent vehicle and component testing.

2. BACKGROUND

One of the services on offer at Gerotek is the environmental test and evaluation of products, these products are subjected to extreme temperature and humidity ranges from -60°C to +180°C and up to 95 %RH. Depending on product size and test requirements the products are tested in different climatic test chambers ranging from 1 m³ to 340 m³.in volume.

One of the climatic chambers is a drive-in type chamber for the test and evaluation of larger products typically transformers, generators and large vehicles.

Gerotek intends to refurbish the existing drive-in chamber or design and construct a new drive-in chamber at the Gerotek Test Facilities site in Pretoria West. Various options for the above must be investigated and evaluated in order to refurbish or built a new facility.

The existing drive-in chamber was build more than 10 years ago and two years after construction the isolating panels began to buckle and warped directly influencing temperature and humidity stabilization. The openings between panels are big enough to allow temperature and humidity to escape through the panels separated from each other.

3. CRITICAL TECHNICAL CONSIDERATIONS

With the refurbishment or construction of a new drive-in chamber the following specifications must be taken into consideration:

- 3.1 Temperature range (°C): -40 to +85
- 3.2 Humidity (%RH): Up to 95
- 3.3 Available test space (m): Width: 7.1, Height: 4.5, Length: 11
- 3.4 Rate of change: 1°C per minute.
- 3.5 Floor maximum allowable mass: 30 tons.
- 3.6 Panels clad with stainless steel on the inside and chromadek on the outside.

4. SCOPE OF WORK

The prospective service provider is to submit a proposal to Armscor for the refurbishment or construction/ supply of a new drive-in chamber at Gerotek. The proposal should address the following requirements but not limited to:

- 5.1 The option to refurbish the chamber with well-constructed isolation panels replacing the existing warped panels to withstand the extreme temperature conditions it will be subjected to.
- 5.2 The option to build a new chamber with the integrity to withstand the extreme temperature conditions it will be subjected to.
- 5.3 A total project cost estimate, on whichever proposal you are submitting.

The responses can include relevant literature to assist Gerotek in making an informed decision.

5. RETURNABLES - INFORMATION REQUESTED

Suppliers are requested to provide information as indicated below:

1.	CSD Registration The Bidder must ensure the company is registered on CSD, no award will be given to a company not registered on the Central Supplier Database.
2	CIDB CIDB Grading and classification will be required during the bidding process as per the CIDB Act.

6. RFI CONDITIONS

- 6.1. This RFI is only for information purpose and therefore shall not be awarded.
- 6.2. The costs of preparing the submission shall not be reimbursed.