



## Request for Quotation (RFQ) for the Supply Aluminium Alloy A359 and Aluminium Alloy A359 Metal Matrix Composite (MMC) to the CSIR

Date of issue	Friday, 16 August 2019
Closing Date and Time	Monday, 2 September 2019
RFQ Number	5504/02/09/2019
Contact details	For submission of quotations or any other enquiries: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a> (Quote RFQ number)

### 1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of Aluminium Alloy A359 and Aluminium Alloy A359 Metal Matrix Composite (MMC) to the CSIR.

### 2 QUOTATION REQUIREMENTS

#### - Specification for Supply of Aluminium Alloy A359 and Aluminium Alloy A359 Metal Matrix Composite (MMC)

The following two materials are required:

1. 250 kg of uncontaminated aluminium alloy A359 and
2. 150 kg of aluminium alloy A359 metal matrix composite (MMC) containing 20 volume percentage of silicon carbide (SiC).

The chemical composition specification for the required aluminium alloy A359 is given in Table 1. A metal matrix composite (MMC) of the same material, aluminium alloy A359, containing an additional 20 volume percentage of silicon carbide (SiC) particles is also required. The size of the SiC particles in the material must be between 3 and 19 microns (F600 grit) and evenly distributed across the matrix.

Table 1

*Specification for the chemical composition of aluminium A359*

Al	Si	Mg	Cu	Fe	Ti	Mn	Zn	Other	
								Each	Total
89 - 91.1	8.5 - 9.5	0.45 - 0.6	<= 0.20	<= 0.20	<= 0.20	<= 0.10	<= 0.05	<= 0.03	<= 0.10

For both materials, each ingot must weigh between 10 and 20 kg. The aluminium alloy A359 ingots must be bundled together to make 250 kg. The aluminium alloy A359 metal matrix composite (MMC) must also be bundled together to make 150 kg. The two bundles must be packaged appropriately and delivered to the CSIR Pretoria campus.

### 3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Include a valid B-BBEE certificate with your quotation. No B-BBEE status will equal zero points.
- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use [www.csd.gov.za](http://www.csd.gov.za) to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

### 4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

**5 OTHER TERMS AND CONDITIONS**

5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

**6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.**

**7 Note: This is not a Purchase Order.**