electricity & energy
Department
Electricity and Energy
REPUBLIC OF SOUTH AFRICA

SPECIFICATION FORM FOR GOODS & SERVICES

INSTRUCTIONS (For Internal Clients - C DEE Officials
**This form must be completed in full and signed-off;*
**To be submitted together with the DEE 194.*

SERVICE PROVIDER TO PROVIDE A QUOTE ON THE FOLLOWING ITEM (S)

NO.	Detailed description of goods and/or services	Quantity of items required/ Frequency of service required
1	To decomission a methanol based fuel cell at Trevenna Campus	1

	OTHER REQUIREMENTS/ CONDITIONS: (site inspection; briefing sessions, registration with professional bodies)

Delivery Address:
Trevenna Campus, Sunnyside, Building 2C

Approved by (Name & Surname): Lebogang Nkhwashu

Signature:

Date: 19-05-2025

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Request for Quotation

Request for Quotation from a Qualified Service Provider to Decommission a Methanol Based Fuel Cell at Trevenna Campus Building 2C

mineral resources & energy
Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Contents

ACRONYMS AND ABBREVIATIONS

MFC	Methanol Fuel Cell
NCCRP	National Climate Change Response Policy
SP	Service Provider
PSC	Project Steering Committee
DB	Distribution Board
DC	Direct Current
AC	Alternating Current
DMRE	Department of Mineral Resources and Energy
RFQ	Request for Quotation
OD	Outside Diameter
MCB	Miniature Circuit Breaker

1. Background

1.1 Climate change is a global concern and a threat to the well-being of people, especially in poverty-stricken continents like Africa. This necessitates the establishment of counter-intervention measures, driven by official policies and regulations.

1.2 South Africa's overarching policy on climate change is captured within the National Climate Change Response Policy (NCCRP) (White Paper) of 2011, which represents the Government's vision for an effective climate change response and the long-term, just transition to a climate-resilient and lower carbon economy and environment.

1.3 Climate change represents health, environmental and economic risks for South Africa. Hence, the sense of urgency to a just transition is emphasised from National Government level as informed by the recommendations from Paris Agreements.

1.4 The energy efficiency and renewable energy initiatives thus undertaken by government are informed by the context given above. This includes the initiative to support solar supply or any other renewable energy sources to public buildings.

1.5 Hence, in 2022 a Methanol Based Fuel Cell (MFC) was deployed at Department of Mineral Resource and Petroleum in Trevenna in 2022. However, it has reached its end of life and will be decommissioned.

2. Aims and Objectives

2.1 The overall aim of the project is to safely decommission an existing Methanol Based Fuel Cell deployed at Mineral Resource and Petroleum in Trevenna

3. Methodology

3.1 To achieve this objective described in the section above, the Service Provider (SP) will be required to implement the tasks on the attached document identified as (Annexure A). The service provider is also expected to share a detailed project plan or methodology detailing how the activities will be carried out to achieve the deliverables.

4. Project Timelines

5.1 The project is expected to take 1 day. The service provider will provide schedule or project plan in line with the scope.

6. Criteria

6.1 The evaluation criteria for the selection of a suitable service provider will be solely based on price. The appointed service provider should be able to issue the Certificate of Compliance (CoC) as the service provider will tamper with the Distribution Box (DB) of the building.

7. Obligations of the Parties

7.1 All data used that is not available to the public open-source platform and related outputs produced are confidential and should not be shared without written permission by the Department. The appointed service provider is expected to sign confidentiality agreement to this effect.

8. Enquiries

8.1 All enquiries related to this project can be directed in writing to the following DEE officials:

Mr Mthunzi Mangqalaza	Mr Ntsikelelo Mkhithika
Project Coordinator	Project Coordinator
Tel: 012 406 7685	Tel: 012 406 7648
Email: Mthunzi.Mangqalaza@dmre.gov.za	Email: Ntsikelelo.Mkhithika@dmre.gov.za

Decommissioning of MFC Based Fuel Cell RFQ

PHASE 1: PROJECT MANAGEMENT AND LABOUR

Item No.	Activity	Description	Quantity	Measuring Units	Unit Cost	Total Cost
1.	Disconnect 3 Phase invert	7kW inverte	1	N	R -	R -
2.	Disconnect DC Cable	50mm^2 Cal	80	m	R -	R -
3.	Disconnect AC Cable	6mm^2, 5kV	5	m	R -	R -
4.	Disconnect Circuit Breake	25 Amp MCE	1	N	R -	R -
5.	Diconnect DC Fuses	150 Amp	2	N	R -	R -
6.	Remove Fence	Clearview (L	3x5x1.7	m	R -	R -
7.	Remove Gate	Gate (LxH)	1.2x1.7	m	R -	R -
8.	Disconnect 3 phase Meter	3 phase Met	1	N	R -	R -
9.	Reconnect inverter with batteries	7kW inverte	1	N	R -	R -
10.	Hire Cherry picker for safe handling heavy components safely	12m	1	m	R -	R -
11.	Bakkie hire for safe disposal of the Methanol	Long base	1			R -
					SUB-TOTAL	R
					VAT @ 15%	R
					TOTAL COST	R

Key:

N	Number(s)
m	Meter(s)