

**REQUEST FOR INFORMATION (RFI) IN RESPECT OF THE SALE OF TWO (2) TM2500 MOBILE POWER UNITS.**

## SCOPE OF WORK

**1. Scope of Work Approval**

**FOR APPROVAL**

|                     | Name       | Title             | Signature        | Date       |
|---------------------|------------|-------------------|------------------|------------|
| <b>Submitted by</b> | D. Timothy | Manager: Projects | <i>D Timothy</i> | 17.07.2025 |
| <b>Received by</b>  | B. Widzani | Procurement Lead  |                  |            |

## 2. Definitions and Interpretation

In this RFI, except as otherwise defined herein, the following terms shall have the following meanings:

**Mobile Power Units** – in the case of this RFI, Two (2) TM2500 Mobile Power Units are referred to as Mobile Power Units, one (1) of them is situated in the Port of Richards Bay, while the other (1) is situated in the Port of Saldanha Bay.

**2.1. Period** - in the case of this RFI, the period of time the respondent will need to pay and pick up the two (2) TM2500 Mobile Power Units.

**2.2. Price** - in the case of this RFI, the price that the respondent must pay, including VAT, in order to purchase and pick up the two (2) TM2500 Mobile Power Units.

**2.3. Respondent** – any entity or consortium that submits a RFI Response in response to this RFI;

**2.4. RFI** – Request for Information inclusive of technically substantiating documentation validating, in this case, the adequate:

- (a) Period (timeline) for the sale of the Mobile Power Units, the respondent must specify when they will require the Mobile Power Units; and
- (b) Price (amount) for the sale of the Mobile Power Units, the respondent must specify the price they will pay for the Mobile Power Units.

**2.5. RFI Response** – the completed Response Form, together with all necessary supporting documentation; and

### 3. BACKGROUND

#### a. Transnet National Ports Authority – TNPA

- i. Transnet National Ports Authority (National Ports Authority or TNPA) is an operating division of Transnet SOC Ltd, (registration number 1990/000900/30) established through the National Ports Act, No. 12 of 2005 (“the Ports Act”) and provides a regulatory service in terms of its proclamation as defined in the National Ports Act.
- ii. An internal energy audit conducted by TNPA indicates that there is a strong need to stabilise energy costs and availability into the future. As well as for TNPA to reduce its carbon footprint related to its marine fleet predominantly from Diesel consumption and promote its Desire end State (DES) objectives of smart ports and cleaner/sustainable environment.
- iii. TNPA purchased two (2) TM2500 Mobile Power Unit generators from the General Electric (GE) Consortium to solve the load shedding and power outages that were expected to occur for an indeterminate time impacting the Port of Richards Bay and the Port of Saldanha.
- iv. TNPA's business requirements and energy strategy have changed, resulting in the prospective sale of these two (2) TM2500 Mobile Power Unit generators: -

| <b>Mobile Power Unit Number</b> | <b>Equipment Description</b> |
|---------------------------------|------------------------------|
| TM47-7246122                    | TM2500 + Gen 4               |
| TM48-7213158                    | TM2500 + Gen 4               |

- v. Each TM2500 Mobile Power Unit includes four trailers assembled together to create a power station: -

- 1. Main Trailer – includes Power Turbine and Brush Generator;
- 3.1.5.2 Air Inlet Trailer – provides air for cooling and combustion;

- 3.1.5.3 Exhaust Trailer – provides exhaust discharge and noise control; and
- 3.1.5.4 Control Trailer – contains oil operating controls and interface skids



**Figure 1:** TM2500 Mobile Power Unit

vi. The TM2500 Mobile Power Unit key product features and specifications include:

- Output 21.8 MW @ 50 Hz : 22.8 MW @ 60 Hz [ISO]
- Output Frequency – 50/60 Hz quick conversion [no reduction gear]
- Heat Rate – 9800 Btu/kw-hr @ 50 Hz : 9500 Btu/kw-hr @ 60 Hz [ISO]
- Voltage – 11.0kv [50 Hz] : 13.8kv [60 Hz]
- Liquid and natural gas fuel capacity
- Brushed air-cooled 2-pole generator with brushless excitation
- Multiple units started/controlled through a single desktop PC
- Low emissions with demineralized water injection 25 ppm [gas] : 42 ppm [liquid]
- Woodward Micronet control system
- Inlet or heating/cooling provisions
- Electro-hydraulic starting system
- Sound level at 3ft. 90 dBA

- vii. TNPA has not used these units. GE has been and continues to service and maintain the Mobile Power Units. TNPA does not provide any "warranties or guarantees" and provides these Mobile Power Units "as is."
- viii. The current "warranties or guarantees" for the Mobile Power Units will expire in July 2026. In order to ascertain if the "warranties or guarantees" are transferable, renewable, or extended to the buyer if considered essential, the respondent may get in touch with GE.
- ix. TNPA provides the following details for additional information: -
  - TM2500 Gen 4 Fact Sheet
  - TM2500 Gen 4 Specifications
- x. In this context, TNPA has decided to invite interested parties to support with commercial information required to establish:
  - (a) Period (timeline) for the sale of the Mobile Power Units, the respondent must specify when they will require the Mobile Power Units; and
  - (b) Price (amount) for the sale of the Mobile Power Units, the respondent must specify the price they will pay for the Mobile Power Units.
  - (c) Terms and conditions (legal of other requirements) for the sale of the Mobile Power Units, the respondent must specify the terms and conditions (if applicable) they will stipulate when purchasing for the Mobile Power Units.

#### **4. Required Information**

##### **a. Objectives of the RFI**

The objective of this RFI is to:

- i. Assess the market interest for the exploration of prospective respondents that would be interested in purchasing one (1) or two (2) of TNPA's TM2500 Mobile Power Units: -
  - Respondents must specify when they will require the Mobile Power Units; and
  - Respondents must specify the price they will pay for the Mobile Power Units.
  - Respondents must specify the terms and conditions (if applicable) they will insist on when purchasing for the Mobile Power Units.

ii. Obtain further information in terms of the following purchasing options: -

| Item    | Description   | Respondent's Response   | Options   |
|---------|---|---|---|
| 4.1.2.1 | Indicate the number of TM2500 Mobile Power Units that the respondent is considering purchasing.   |   | 1 or 2  |
| 4.1.2.2 | Indicate which TNPA Ports TM2500 Mobile Power Unit that the respondent is considering purchasing. | Port of Richards Bay <input type="checkbox"/><br>Port of Saldanha <input type="checkbox"/><br>Both Ports <input type="checkbox"/> | Port of Richards Bay (only).<br>Port of Saldanha (only).<br>Both Ports. |
| 4.1.2.3 | Indicate the period to pay and collect Mobile Power Unit or Mobile Power Units.                   | 30-59 days <input type="checkbox"/><br>60-89 days <input type="checkbox"/><br>90-120 days <input type="checkbox"/>                | 30-59 days<br>60-89 days<br>90-120 days                                 |
| 4.1.2.4 | Price for one (1) Mobile Power Unit situated in the Port of Richards Bay.                         | R _____<br>R _____  | Price (excl. VAT)<br>Price (incl. VAT)<br><i>(If applicable)</i>        |
| 4.1.2.5 | Price for one (1) Mobile Power Unit situated in the Port of Saldanha.                             | R _____<br>R _____  | Price (excl. VAT)<br>Price (incl. VAT)<br><i>(If applicable)</i>        |
| 4.1.2.6 | Price for (2) Mobile Power Unit.  | R _____<br>R _____  | Price (excl. VAT)<br>Price (incl. VAT)<br><i>(If applicable)</i>        |

4.1.3 Any site special access and information that will be required by the respondents to conduct the condition assessment of the Mobile Power Units situated in the Port of Richards Bay and Port of Saldanha Bay.

## 4.2 Site Locations



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