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ENQUIRY NO: CTT26927

**DESCRIPTION: THE PROVISION OF A COMPREHENSIVE FEASIBILITY
ENGINEERING STUDY FOR PetroSA's GAS-TO-POWER
PROJECT**

1. INTRODUCTION

PetroSA invites suitably qualified and experienced service providers to undertake a comprehensive Feasibility Engineering Study for the proposed Gas-to-Power Project at the GTL Refinery in Mossel Bay. The project aims to assess the development of a 300-360 MW Combined Cycle Gas Turbine (CCGT) power plant utilising indigenous offshore gas resources and existing infrastructure.

2. SUMMARISED SCOPE OF WORK

The appointed Consultant will perform a feasibility-level engineering study to confirm the technical and commercial viability of the proposed Gas-to-Power facility and develop a bankable AACE Class 3 cost estimate. The scope includes:

- Development of the Basis of Design (BoD).
- Feasibility engineering for the power island and associated balance-of-plant facilities.
- Assessment of existing utility infrastructure and required upgrades.
- Electrical system design, grid integration, and power evacuation studies.
- Identification of project risks, execution strategies, and implementation schedules.
- Support for future Front-End Engineering Design (FEED) and EPC

procurement phases.

3. EXPECTED KEY DELIVERABLES

The successful bidder shall provide, as a minimum:

- Basis of Design (BoD) Report.
- Feasibility Engineering Study and Technical Feasibility Report.
- Process, utility, electrical and grid integration studies.
- Preliminary engineering layouts, system philosophies, and equipment specifications.
- Reliability, availability, maintainability (RAM) assessment.
- HAZID Workshop Report and Project Risk Register.
- AACE Class 3 Capital and Operating Cost Estimates.
- Project execution and procurement schedules.
- Final Executive Presentation and supporting documentation.

4. ENQUIRIES

Any enquiries regarding this tender should be addressed to **Hennie Fortuin** in the Tender Office at the telephone no. **+27 (0)21 929-3211** or e-mail at martinhennie.fortuin@petrosa.co.za

5. SCOPE CLARIFICATION MEETING

PetroSA has scheduled a **Virtual TEAMS** scope clarification meeting at **11h00CAT** on **20 August 2026**. Should the Tenderer wish to attend, it must inform the PetroSA representative by 15h00 on 19 August 2026, submitting names via email.