A public meeting were held at Hoedjiesbaai Hotel, Saldanha Bay 16 February 2016 to present the proposed Project and solicit input from stakeholders into the scoping process.

B3.1 ATTENDANCE REGISTER

A record of attendance from the public meeting is provided in the following pages.
## ATTENDANCE REGISTER

<table>
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<tr>
<th>Title, First name &amp; Surname</th>
<th>Organisation Name</th>
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<td>B.T. Vakulamu</td>
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## Public Meeting 16 February 2016

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A copy of the presentation given at the public meeting held on the 16 February 2016 is provided in the following pages.
EIA for a Gas-fired Power Plant to Support Saldanha Steel and Other Industries
February 2016

Agenda

1. Introduction to ERM and Project Team
2. Project Motivation
3. Introduction to IPCSA
4. Project Description
5. EIA Process
6. Specialist Studies
7. Opportunities to be Involved: Public Participation Process
8. Way Forward
Introduction to Project Team

- Richard Holcroft (AMSA)
- Reinet van Zyl (AMSA)
- Francois vd Bank (AMSA)
- Gesie Theron (AMSA)
- Mike Olivier (IPCSA)
- Seth Olivier (IPCSA)
- Muller Coetzee (ERM)
- Stephan vd Berg (ERM)
- Tougheeda Aspeling (ERM)

Introduction to ERM

- ERM has been appointed as the independent Environmental Assessment Practitioner
- ERM is responsible for running the EIA and public participation process
- ERM will facilitate active involvement of Interested and Affected Parties
Project Motivation

- We need to sustain current industry
  - Sustain jobs
  - Sustainable economic activity is critical for ALL
- Prevailing economic outlook does not support this, but industry has found a solution
  - If high "energy cost" can be addressed it will sustain current industry and encourage economic growth
- Economic growth will create opportunities for skills development and training
  - This will lead to new opportunities for the community and area

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Project Motivation

- Appears that excess global steel capacity, low global iron ore prices and low steel prices are here to stay – structural change not a cycle
- Saldanha Works is primarily export focused (East & West Africa) and faces tough competition from China, Japan and India
- Saldanha Works has to be able to compete in Export Markets therefore must strive to keep production costs down

Current focus is on low cost and efficient production
Project Motivation

- Energy efficiency controlled cost through 2015, but is not enough for long term sustainability
- Secure, affordable, electricity through an independent Gas fired Power Station 1.4 GW would provide a solution
- ArcelorMittal South Africa & Saldanha Works has to be profitable to ensure sustainability, and maintain jobs and economic activity
- If energy cost can be addressed there is significant potential for expansion of current industry

Introduction to IPCSA

- IPCSA formed as a Special Purpose Vehicle (SPV) for the development and ownership of the Saldanha Power Project in 2013
- Founding members have over 65 years combined experience in project development
- IPCSA have pooled together international experience and resources to develop the Gas to Power Project in Saldanha
- Have resources in America, Canada, Europe
- IPCSA have provided services to major companies in the energy sector globally and have support
Introduction to IPCSA

[Diagrams with various logos and text]

The world's leading sustainability consultancy
Project Location

Saldanha Steel

Blouwater Substation

Plant Location
Project Description: Inputs and Outputs

Example of Gas-Fired Power Plant

Project Description: Power Plant Selection

- 1 507MW of Installed Capacity
  - BASE LOAD – 1 115MW operating at 87%
    - 3 X Siemens SGT5-4000F in Combines Cycle
    - Air Cooled
    - Benson Boiler (closed loop system) low water consumption
  - PEAKING – 225MW
    - 5 X Rolls Royce (Siemens) Trent 60’s
    - Air Cooled, small & Compact
    - Take care of AMSA’s needs in Saldanha
- SERVICE CENTRE & TRAINING ACADEMY
  - Pumps, Motors
  - Turbines & Engines (Land & Marine)
Project Description: Natural Gas

- Equity Gas from the USA
- Negotiated long-term 20 year gas supply
- 2 Million tons contracted
- Negotiations additional supply:
  - Angola
  - Nigeria
  - Tanzania

- Regas using Floating Storage & Regas Unit (FSRU)
  - Semi-permanent
  - 15 Day storage
  - 3 Ships delivering in rotation
Project Description: Project Timelines

- **March 2016**: Scoping & Feasibility Study
- **April 2016**: Environmental Impact Assessment
- **June 2016**: Site Selection & Risk Assessment
- **September 2016**: Data Collection
- **October 2016**: Data Analysis
- **November 2016**: Final Report

- **2017**:
  - **January**: Financial Close
  - **February**: Engineering & Construction

- **2018**:
  - **April**: Operations Phase
  - **May/June**: Gas Infrastructure & Subsea Installation

- **2019**:
  - **July/August**: Commissioning of 1st Turbine

- **2020**:
  - **September**: Commissioning of 2nd Turbine
  - **November**: Operations of 750kW

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Project Description: Job Creation

- **Development Phase**: Approx. 45
- **Construction Phase**: Approx. 600
- **Operations Phase**: Approx. 170
**DoE Gas to Power Programme**

- Project is different from other IPP projects for which EIA’s have been initiated (part of DOE initiative)
- DoE projects are aimed at addressing Eskom shortage; not focussed on sustaining industry
- IPCSA project focus on affordability to support industry

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**EIA Process: Scoping Overview**

Full Scoping and EIA Processes in terms of:

- EIA Regulations Listing Notice 1 (GNR R983), Notice 2 (GNR 984) and Notice 3 (GNR 985)

**Scoping Phase Objectives**

- To communicate the proposed project to interested and affected parties
- To identify possible impacts, alternatives, and define the terms of reference for specialist studies
EIA Process: EIA Objectives

- Assess possible positive and negative impacts identified
- Rate significance of the impacts
- Develop mitigation measures to manage negative impacts and enhance Project benefits

EIA Process: Potential Impacts and Benefits

Potential environmental and social impacts

- Noise and air emissions
- Potential impact on terrestrial animals and plants
- Issues associated with Project induced in-migration
- Waste management
- Potential impact on heritage resources

Benefits associated with the Projects

- Increased energy production for the Saldanha Bay Local Municipality
- Employment creation during construction
- Employment security for existing employees
- Community upliftment
EIA Process: Studies to be included in EIA

Proposed studies to address the impacts include:

- Air Quality Study
- Noise Impact Study
- Cultural Heritage and Palaeontology Study
- Terrestrial Ecology Study (Fauna and Flora)
- Socio-economic Study

EIA Process: Opportunity for Comment

- Register as an I&AP:
  - Receive notification when reports are available for comment
  - Submit your comments, questions or suggestions to the Project team and receive a response as part of the EIA Report

- The Draft Scoping Report and Draft EIA will each be available for a thirty (30) day public comment period
- The next public meeting will take place after the release of the Draft EIA
EIA Process: Way Forward

- Release of Draft Scoping Report (30 day comment period)
- Specialist studies to commence
- Final Scoping Report to the DEA

Registered I&APs will be notified when draft reports are available for comment

Further comment

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Thank you for your participation
Questions?

Q&A

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Project Description: Milestones Achieved

**2012**
- Sept 2012: Project identified
- Discussions with ESKOM, DOE, NERSA

**2013**
- March 2013: Agile negotiations began for Flared Gas
- July 2013: RFI 2013 - DONOMI Siemens
- Sept 2013: AMSA & ESKOM visit
- Canada CNG manufacturing
- Ongoing Discussions - Eksom, Transnet, Pastoral, DOE, Western Cape Gov

**2014**
- Jan 2014: Pre-feasibility review
- Oct 2014: Technical support
- Nov 2014: O&GMBU Turbine selected and inspected
- Nov 2014: HMRG selected
- Dec 2014: Agreements: Siemens
- Sept 2014: Engineering drawings for early delivery
- Service, Centre and Training
- Academy Engineering drawings support Siemens USA partners

**2015**
- Mar 2015: Gas USA sourced and negotiated
- April 2015: Transport and delivery negotiated
- June 2015: EPC companies identified, ongoing negotiations
- June 2015: W. Coast Business Forum industry support
- August 2015: CoTI support
- September 2015: Dep Economic Development Support
- Robust Financial model
- Business plan, costing and full solution