

ESKOM HOLDINGS LIMITED

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR A PROPOSED NUCLEAR POWER STATION AND ASSOCIATED INFRASTRUCTURE DEAT REF. No.:12/12/20/944

Public Stakeholder Meetings:

6 – 13 June 2007

AGENDA

- **Welcome & Introduction**
- **Purpose of this meeting & procedures to be followed**
- **Project background**
- **Overview of the EIA Process**
- **Overview of the Public Participation Process**
- **Discussion**
- **Way forward**
- **Close**

OBJECTIVES OF THE MEETING

- To introduce the project to I&APs
- To introduce the EIA process
- To provide an overview of the Public Participation Process
- To identify issues & concerns for inclusion in the Draft Scoping Report
- To agree on stakeholder input & the process to be followed

MEETING PROCEDURES

- **Switch cell phones off**
- **The facilitator chairs the meeting**
- **Only one person speaks at a time**
- **Raise your hand & wait for the facilitator to acknowledge you before you speak**
- **A speaking order will be followed**
- **State your name clearly before you speak**
- **Everyone is entitled to an opinion - be tolerant**
- **Use the language of your choice**
- **Express your feelings don't demonstrate them**

OVERVIEW OF THE EIA PROCESS

- **Purpose of the EIA**
- **Framework for the EIA Process**
- **Responsibilities of the various role players**
- **Environmental Impact Assessment (EIA) process**
- **Scoping Phase**
- **Impact Assessment Phase**
- **Environmental Impacts**
- **Public Participation Process**

PURPOSE OF THE EIA

- **Assess positive & negative, social, economic & biophysical impacts of the proposal**
- **Ensure stakeholder's knowledge & concerns are taken into account**
- **Identify feasible alternatives**
- **Recommend mitigation measures for negative impacts**
- **Recommend ways to enhance positive aspects**
- **Ensure relevant & objective information is provided to decision-makers**

FRAMEWORK FOR THE EIA PROCESS

- **SA Constitution, Act No 108 of 1996**
- **National Environmental Management, Act No 107 of 1998**
- **EIA Regulations 385, 386 & 387, promulgated on 21 April 2006, effective as of 3 July 2006**
- **Integrated Coastal Management Bill, 15 Sept 2006**
- **Guidelines & manuals issued by the Government**
- **Energy Policies**

RESPONSIBILITIES OF THE VARIOUS ROLE PLAYERS IN THE EIA PROCESS

Eskom Holdings Limited (Applicant):

- **Appoint suitable, independent consultants**
- **Ensure adequate resources are available to conduct an effective, efficient & equitable EIA**
- **Ensure that the Consultants are provided with relevant information to undertake the EIA effectively**
- **Ensure that the Consultant provides all relevant information to the Authorities**

RESPONSIBILITIES cont...

ARCUS GIBB (Pty) Ltd (Consultant):

- **Be independent with no vested interest**
- **Have the necessary qualifications & experience**
- **Responsible for EIA process, information & reports**
- **Provide relevant & objective information to the Authorities, the I&APs & the Applicant**
- **Ensure Public Participation is undertaken**
- **Ensure all issues raised are addressed or responded to**

RESPONSIBILITIES cont...

INTERESTED & AFFECTED PARTIES (I&APs):

- **Provide input & comment during various stages of the process**
 - **Identify issues & alternatives**
 - **Review of reports**
 - **Draft Scoping Report (DSR)**
 - **Draft Environmental Impact Report (DEIR)**
- **Provide input & comment within specific timeframes**

RESPONSIBILITIES cont...

RELEVANT ENVIRONMENTAL AUTHORITY (NATIONAL DEAT & PROVINCIAL DEPARTMENTS):

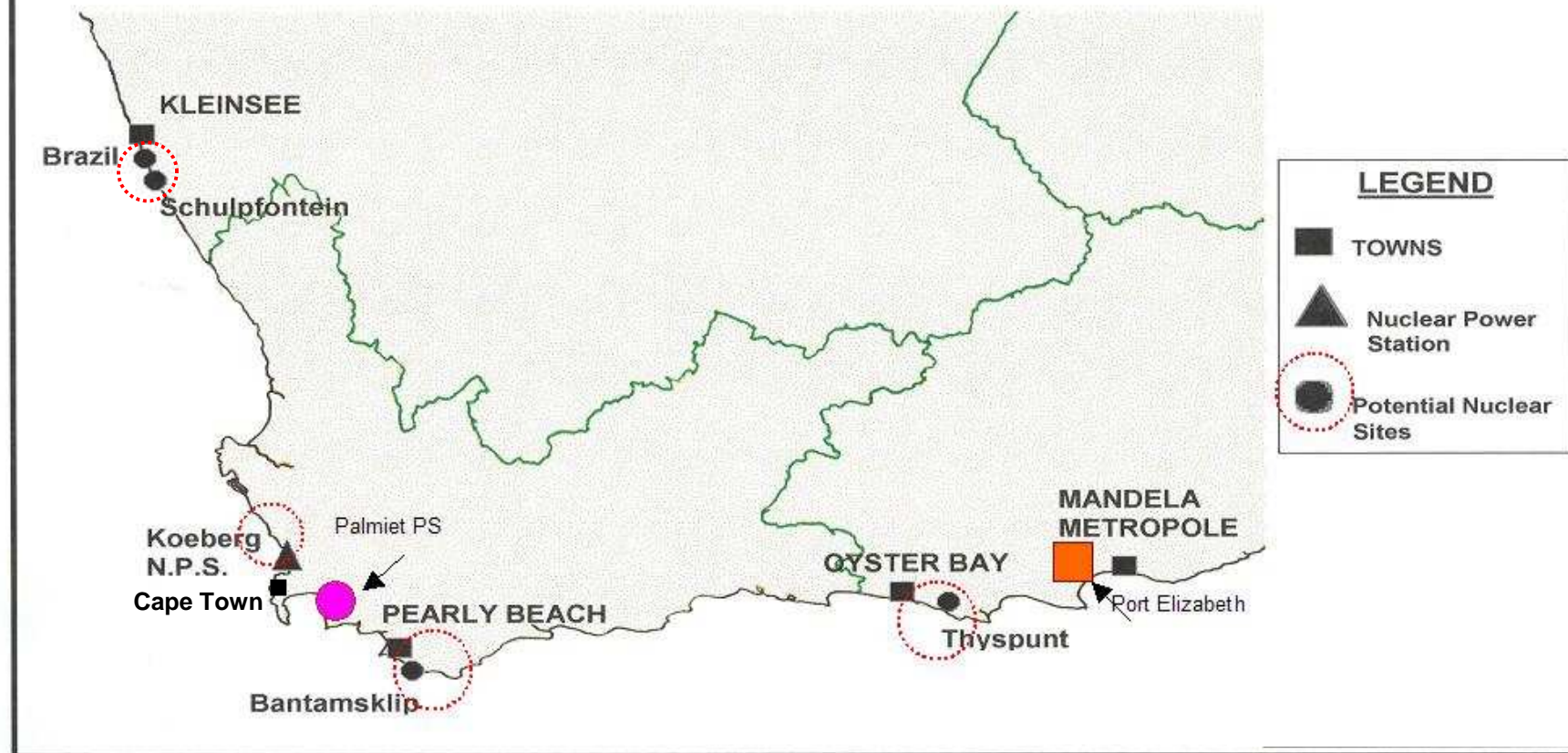
- **Efficient & expedient in evaluating proposals**
- **Compliance with regulatory requirements**
- **Inter-departmental co-operation & consultation**
- **Consultation with the Applicant & the Consultant**
- **Evaluation/review & decision-making**
- **Requiring sufficient detail to make informed decisions**

PROJECT BACKGROUND

- **The Eskom Nuclear Site Investigation project, led by a team of independent consultants, investigated sites along the S.A. coastline**
- **Five sites were found to be suitable based on social, economic & environmental criteria**

POTENTIAL SITES UNDER CONSIDERATION

POTENTIAL NUCLEAR COASTAL SITES



EIA PROCESS

The two main listed activities applicable to this proposed project (in terms of the EIA Regulations, 2006) are as follows (see BID for a full list):

- *1a) The construction of facilities or infrastructure, including associated structures or infrastructure, for the generation of electricity where the energy generation is greater than 20 MW & the facility exceeds an area of one Ha*
- *1b) The construction of facilities or infrastructure, including associated structures or infrastructure, for nuclear reaction including the production, enrichment, processing, reprocessing, storage or disposal of nuclear fuels, radioactive products & waste*

EIA PROCESS

**PROPOSED
TIME FRAME**

PROCESS

May 07

**Project Integration Meeting with
specialists & client**

**Submit Application & Authorities
meeting**

**Authorities check application &
acknowledge receipt**

Scope Issues (Inception Report)

**Prepare Draft Terms of Reference for
Specialist Studies**

Aug 07

**Draft Scoping Report & Plan of Study
for EIA**

**Finalise Terms of Reference & Plan of
Study for EIA specialist studies**

EIA PROCESS cont...

Jan 08

Final Scoping Report

Specialist studies

Integrate draft findings & mitigation measures

Apr 08

Draft EIR, specialist studies & draft Environmental Management Plan

Prioritise issues

Prepare Final EIR & EMP

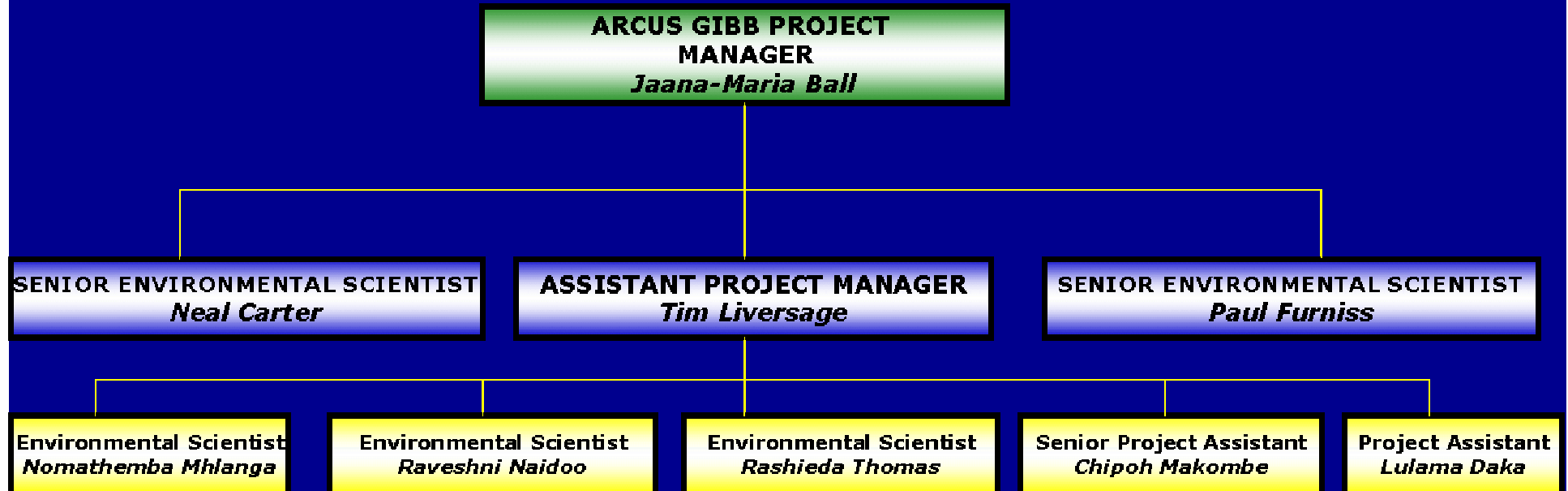
Aug 08

Submit Final EIR, Specialist Studies & EMP to Authorities

Jan 09

Environmental Authorisation

EIA TEAM



SPECIALIST TEAM

PROJECT MANAGER
Jaana-Maria Ball

ASSISTANT PROJECT MANAGER
Tim Liversage

Nuclear Specialist Reviewer
ColencoPower Engineering Ltd

Peer (Technical and Process) Reviewer
Janet Bodenstein

Legal Advisor
Nicholas Smith

**Public Involvement Process
ACER (AFRICA)**
Dieter Heinsohn/Bongi Shinga

**Climatology
UCT CLIMATE SYSTEMS ANALYSIS GROUP**
Mark Tadross

**Freshwater Ecology
FRESHWATER CONSULTING**
Liz Day

**Marine Biology
UCT MARINE BIOLOGY RESEARCH INSTITUTE**
Charles Griffiths

**Air Quality
AIRSHED PLANNING PROFESSIONALS**
Lucian Burger

**Noise
JONGENS KEET & ASSOCIATES**
Adrian Jongens

**Visual & Aesthetics
BAPELA CAVE KLAPWIJK**
Alan Cave

Geographic Information Systems (GIS)
TO BE ADVISED LATER

**Flora- South Coast
COASTEC**
Barrie Low

**Flora- West Cost
INDEPENDENT**
Philip Desmet

**Fauna- Mammals & Avi- Fauna
UCT AVIAN DEMOGRAPHICS UNIT**
James Harrison

**Fauna- Invertebrates
UCT DEPARTMENT OF ZOOLOGY**
Mike Picker

**Archaeology & Heritage
UCT ARCHAEOLOGY UNIT**
Tim Hart

**Socio-economic
OCTAGONAL DEVELOPMENT**
Alewijn Dippenaar

**Oceanography
UCT DEPARTMENT OF OCEANOGRAPHY**
Frank Shillington

**Traffic & Transport
ARCUS GIBB**
Andrew Bulman

**Health
Aquism/Infotox**
Japie van Blerk/Willie van Niekerk

**Geology
COUNCIL OF GEOSCIENCE**
Erna Hattingh

**Hydrology
SRK CONSULTING**
Peter Rosewarne

**Geohydrology
COUNCIL OF GEOSCIENCE**
Erna Hattingh

**Geotechnics
SRK CONSULTING**
Dr. Graham Howell

**Groundwater
SRK CONSULTING**
Peter Rosewarne

**Surface water
SRK CONSULTING**
Peter Rosewarne

**Oceanography
PRESTEDGE RETIEF**
Gordon Prestedge

SCOPING PHASE

- **May 2007 – January 2008**
- **Baseline environmental assessment & identification of sensitive areas**
- **Identification of potential impacts & issues**
- **Identification of detailed studies required**
- **Evaluation of alternatives**
- **Draft & Final Scoping Report (project overview, alternatives, specialist studies, PPP, issues raised)**

IMPACT ASSESSMENT

- **January 2008 - August 2009**
- **Detailed specialist studies**
- **Impact identification & significance**
 - **Nature**
 - **Duration**
 - **Extent**
 - **Intensity**
 - **Probability**
- **Mitigation**

SCOPING PROCESS: POTENTIAL ENVIRONMENTAL IMPACTS

Construction phase

- **Noise**
- **Job creation**
- **Traffic**
- **Safety & security**
- **Materials handling & waste management**
- **Habitat destruction**

Operational Phase

- **Air quality**
- **Water quality (surface water & storm water)**
- **Materials handling & waste management**
- **Water discharges to the marine environment**
- **Safety & security**
- **Traffic & transport**
- **Land use**

Public Participation Process - Scoping

PREPARATION

Identify Stakeholders

Advance Briefings

Telephonic & meetings

WE ARE HERE

**Announce EIA & Opportunity
for Comment**

Personalised letters

Background Information Document

Advertisements

One-on-one engagement

Public notices

On-site notices

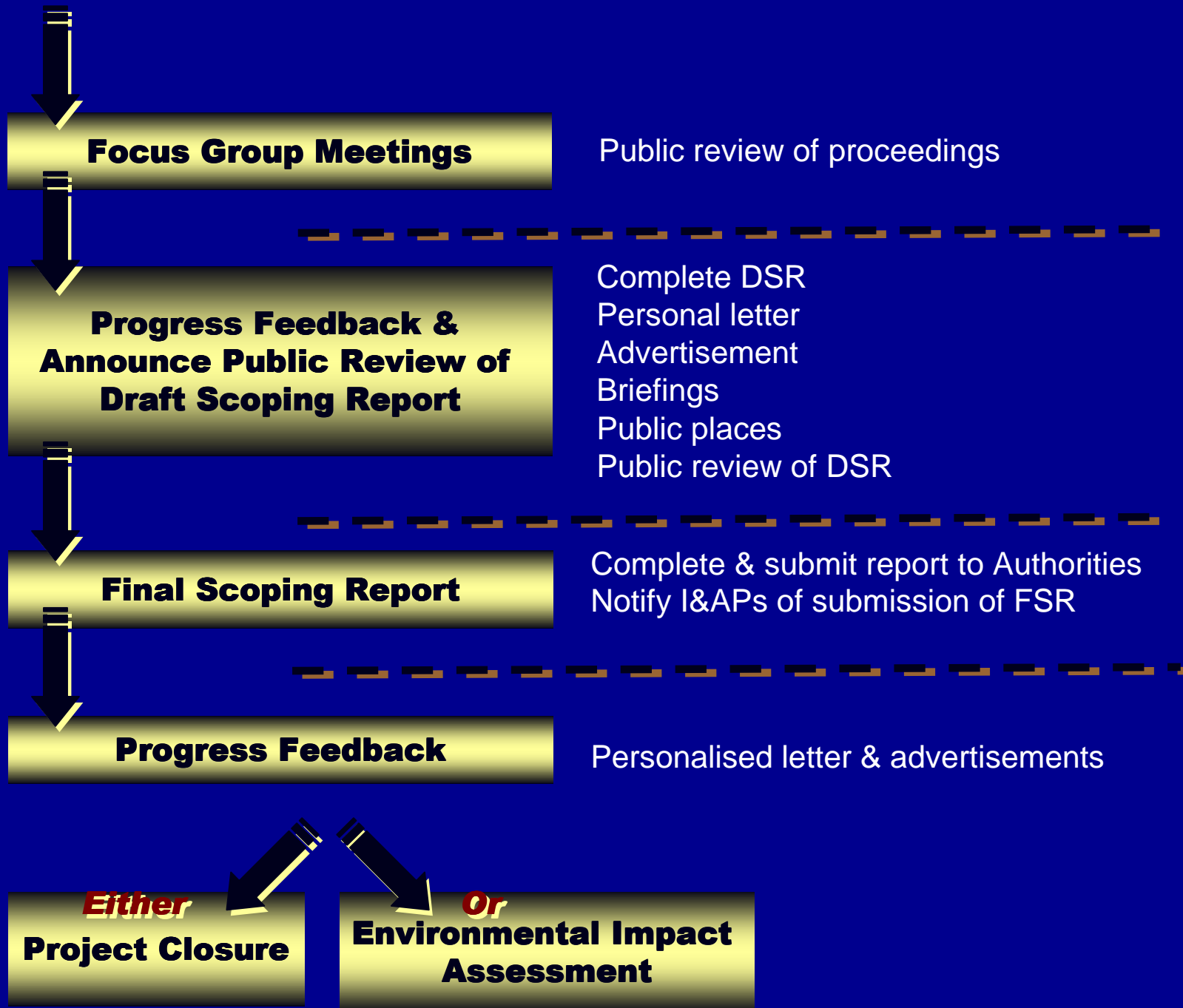
SCOPING

Key Stakeholder Briefings

Individual & group meetings

**Key Stakeholder Workshops
Public Meetings**

SCOPING



Stakeholders & Sectors

- **Government**
 - National
 - Provincial
 - Local
- **Representative Associations**
 - Farmers
 - Conservation
 - Tourism
- **NGOs & CBOs**
- **Local Residents**
- **Landowners**
- **Media**
- **Industry**
- **Agriculture**
- **Conservation**
- **Tourism**
- **Heritage**
- **Private**
- **Commercial**
- **Land**

Way Forward

- **Submit comments, issues & concerns to ACER**
- **EIA Team available for discussions (individual/group)**
- **Initial comment period on BID closes on 21 July 2007**
- **DSR available for public comment**
- **DSR (4 week comment period)**
 - **Public Meetings**
 - **Focus Group Meetings**

Discussion