

# DEPARTMENT OF ENERGY

## MEDIA ROUND TABLE ON NUCLEAR 2010.12.01



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# INTRODUCTION

Nuclear Energy Policy was approved in June 2008

- ❑ Contributes towards climate change mitigation
- ❑ Contributes towards security of supply efforts through diversification electricity mix
- ❑ Contributes to beneficiation of minerals
- ❑ Contributes to knowledge economy



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# INTRODUCTION

The draft Integrated Resource Plan - October 2010

- ❑ Nuclear of ~10GWe by 2030
- ❑ First plant online by 2022/3

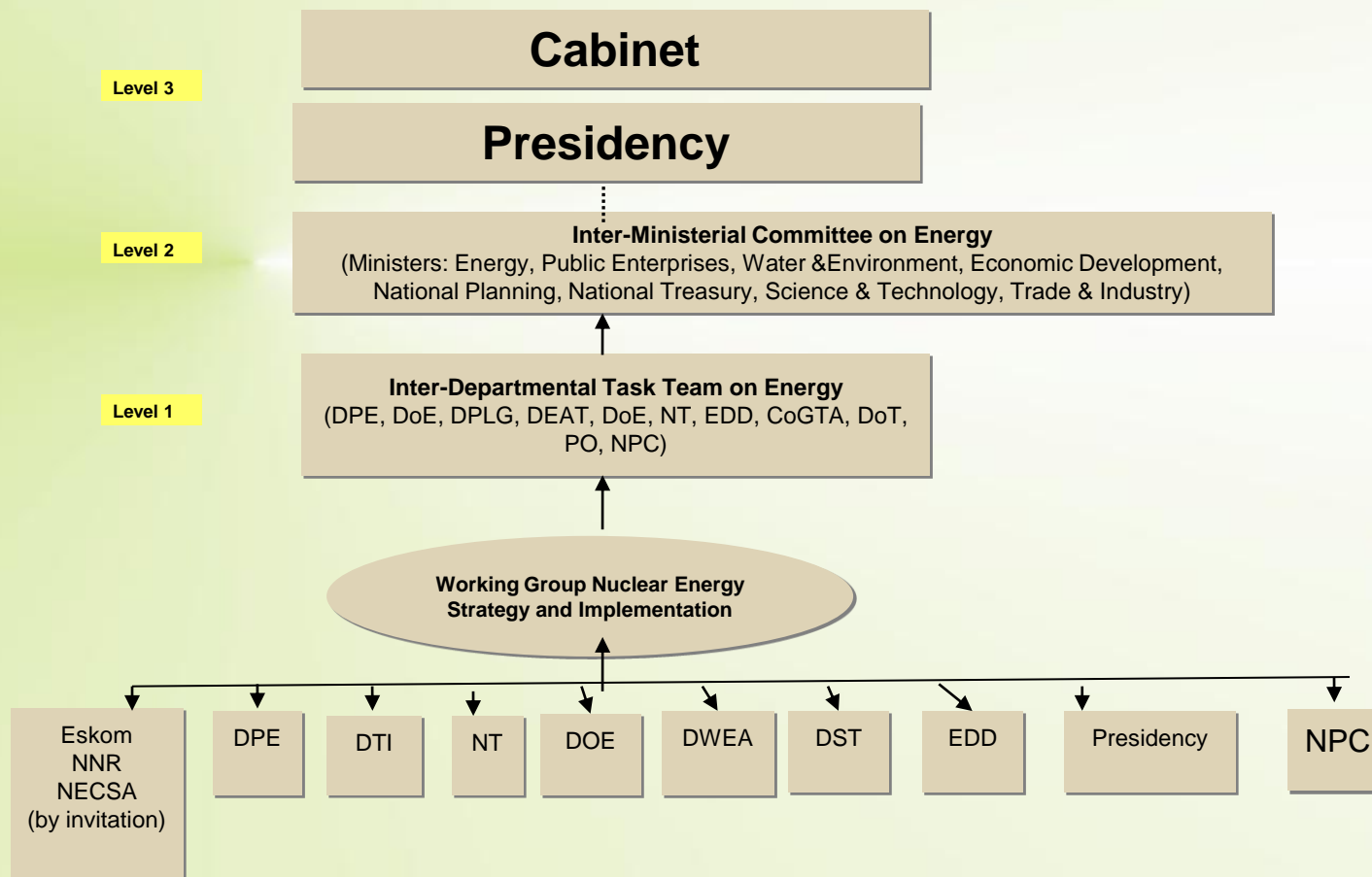


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# NUCLEAR STRATEGY WORKING GROUP



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# ASPECTS OF NUCLEAR STRATEGY



## Assessment of lessons learnt from Nuclear 1

- Risk issues from Nuclear 1 are reviewed
- Checklist to ensure no repeats
- Include international Lessons Learnt

## Legislative review

- Identify improvements needed
- International experts review (IAEA)
- Implementable action plan to address these



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# ASPECTS OF NUCLEAR STRATEGY



## Nuclear fuel cycle strategy

- nuclear fuel cycle - beneficiation of uranium
- security of fuel supply

## Industrialization and localization

- Determine industry requirements
- Assess local capabilities
- Develop interventions
- Technology Transfer



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# ASPECTS OF NUCLEAR STRATEGY

## Skills development

- Determine type and quantity of skills
  - Construction Skills
  - Plant Operation Skills
  - Skills for Government Departments
  - Regulatory skills
  - Supporting industry skills
  - Decommissioning and Rehabilitation Skills
- Skills development and retention plans



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# ASPECTS OF NUCLEAR STRATEGY

## Corporate, funding, and procurement

- Analysis of different corporate structures
- Develop a financial model
- Develop financing strategies
- Develop procurement strategy

## Risk management framework

- Determine a key risk matrix
- Allocate risks appropriately
- Ensure monitoring of risk mitigation

## Communication and stakeholder engagement

- Community outreach interventions
- Industry engagement



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# THANK YOU



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