Responsibilities and Functions of a Nuclear Energy Programme Implementing Organization (NEPIO)

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Involvement of the Government (NEPIO)

Phase 1
1~3 years
Ready to make a knowledgeable commitment to nuclear power

Phase 2
3~7 years
Ready to invite bids / negotiate a contract

Phase 3
7~10 years
Ready to commission and operate the first NPP

Involvement of the Regulatory Body

establishment

Involvement of the Operating Organization

establishment
Establishment of a NEPIO

WHAT?
Coordination mechanism

WHY?
Plan, coordinate, monitor programme implementation

WHEN?
Nuclear option included in Energy Mix

- Strength of government commitment and support
- Adequate resources and authority
NEPIO
Main Responsibilities in Phase 1

- Establish working groups
- Prepare strategy and plan for stakeholder involvement
- Conduct / coordinate pre-feasibility study
- Programme / project roadmap
- Comprehensive report defining and justifying a national strategy
- Coordinate self-evaluation of the status of infrastructure development.
NEPIO
Main Responsibilities in Phase 1

Establish working groups

Conduct / coordinate pre-feasibility study

Prepare strategy and plan for stakeholder involvement

Programme / project roadmap

Comprehensive report defining and justifying a national strategy

Coordinate self-evaluation of the status of infrastructure development.
NEPIO
Main Responsibilities in Phase 2

- Oversee infrastructure development
- Support establishment of legal and regulatory framework
- Coordinate policies and action plans
- Ensure national educational / vocational pipelines match needs of the programme
- Continue implement stakeholder involvement plan
- Conduct project activities until RB* and O/O** are created / designated
- Coordinate self-evaluation of the status of infrastructure development

* RB: Regulatory Body
** O/O: Owner/Operator
NEPIO
Main Responsibilities in Phase 2

- Oversee infrastructure development
- Support establishment of legal and regulatory framework
- Coordinate policies and action plans
- Ensure national educational / vocational pipelines match needs of the programme
- Continue stakeholder involvement plan
- Conduct project activities until RB* and O/O** are created / designated
- Coordinate self-evaluation of the status of infrastructure development
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NEPIO
Main Responsibilities in Phase 3

- Oversee infrastructure development
- Manage knowledge gained for future potential project
- Coordinate a self-evaluation of the status of infrastructure development
- Ensure long-term sustainability of the programme
- Oversee implementation of policies and strategies
NEPIO
Main Responsibilities in Phase 3

- Oversee infrastructure development
- Manage knowledge gained to support potential future projects
- Ensure long-term sustainability of the programme
- Coordinate a self-evaluation of the status of infrastructure development
- Oversee implementation of policies and strategies
- Ensuring long-term sustainability of the programme
NEPIO Capabilities and Structure

- **Capabilities:**
  - Full understanding of all 19 infrastructure issues
  - Consultants used as necessary
  - Will evolve throughout 3 Phases

- **Structure**
  - Decision making level
  - Technical Level
Summary

• The NEPIO is responsible for the overall coordination of the programme and should ensure the engagement of all important parties.
  – Should include representatives from all relevant ministries and organizations
  – Establish competent working groups in Phase 1
  – Evolve in Phases 2 & 3 with NEPIO monitoring progress, coordinating and leading as needed

• Strong commitment and support from the government is necessary

• NEPIO should be clearly charged at a high level and given necessary authority and resources

• Must be able to communicate and interact effectively with all relevant stakeholders
Thank you!