



Ministry of industry,
Science, Technology & innovation

Current Status of Nuclear Development in Cambodia

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Cambodia's Country Programme Framework for 2017 - 2023

- Cambodia's CPF identified 8 priorities areas:
 1. Radiation and nuclear safety (legal and regulatory framework)
 2. Human health
 3. Agriculture, livestock production and food safety
 4. Water resources management
 5. Energy planning
 6. Environmental protection and radioactive waste management
 7. Industry applications
 8. Cultural heritage preservation

List of nuclear program projects

1. Established the “National Cancer Centre” at Calmette Hospital
 - Plan to installation of a PET-CT machine for diagnosis and a cyclotron for the production of radiopharmaceuticals to diagnose cancer.
 - By 2025, Cambodia will have two Regional Cancer Centre, with its own radiotherapy and nuclear medicine facilities.
 - Supported by IAEA on Cancer Care and Nuclear Medicine.

List of nuclear program projects

2. An atmospheric radionuclides detection.
 - To detect the number of radioisotopes dispersion in Cambodia atmosphere after the Fukushima Daiichi Nuclear Accident.

Cambodia's Research Activity

- Cambodia is young in term of the research activities related nuclear.
- The related nuclear research activities such as establishment of laws, regulation are conducted by Department of Nuclear Engineering of Ministry of Energy and Mine, Cambodia.
- Resource:
 - Human resource is limited in the area of nuclear research.
 - Research equipment/technology to conduct the measurement and assessment is still limited.

The Issue and gaps

- Human resources in field of nuclear engineering.
- Technology / experiments method to conduct effective research.
- Number of projects.

Thank you