

Introduction of Thorium Reactor Nuclear Power Stations in Nigeria.

Events – [SCALP^{ED}]

1. Project Kickoff Meetings

- **Project Inception Meeting:**
 - Participants: Project management team, key stakeholders, government representatives, and international partners (including Danish experts).
 - Objective: Establish project scope, objectives, timelines, and responsibilities.
- **Stakeholder Engagement Workshop:**
 - Participants: Local communities, regulatory bodies, environmental groups, and project managers.
 - Objective: Introduce the project to stakeholders, address concerns, and gather feedback.

2. Feasibility and Planning Phase Meetings

- **Feasibility Study Review Meeting:**
 - Participants: Engineering, environmental, and financial teams.
 - Objective: Review results of the feasibility study, including site selection, environmental impact assessments, and risk analysis.
- **Regulatory Compliance Review:**
 - Participants: Legal department, regulatory consultants, project management.
 - Objective: Ensure that all planning and design activities comply with local and international nuclear regulations.
- **Budget and Finance Review:**
 - Participants: Finance department, project managers, external auditors.
 - Objective: Review and finalize the budget, financial projections, and funding strategies.

3. Design and Engineering Phase Meetings

- **Preliminary Design Review (PDR):**
 - Participants: Engineering teams, safety experts, and Danish consultants.
 - Objective: Review and approve preliminary reactor designs, safety features, and infrastructure plans.
- **Detailed Design Review (DDR):**
 - Participants: Engineering, procurement, and construction (EPC) teams, project managers.
 - Objective: Finalize and approve detailed engineering designs, ensuring all technical requirements are met.
- **Safety and Security Review:**
 - Participants: Safety department, regulatory compliance team, security experts.

- Objective: Review and approve the design of safety systems, emergency protocols, and security measures.

4. Procurement and Contracting Meetings

- **Procurement Strategy Meeting:**
 - Participants: Procurement department, legal team, project managers.
 - Objective: Develop and finalize procurement strategies, supplier selection criteria, and contract terms.
- **Supplier and Contractor Evaluation Meeting:**
 - Participants: Procurement team, engineering leads, external consultants.
 - Objective: Evaluate potential suppliers and contractors, negotiate contracts, and finalize agreements.
- **Contract Signing Ceremony:**
 - Participants: Project management, legal team, selected suppliers and contractors.
 - Objective: Officially sign contracts and establish terms for project delivery.

5. Construction Phase Meetings

- **Construction Kickoff Meeting:**
 - Participants: Construction management team, contractors, engineering leads.
 - Objective: Launch the construction phase, clarify roles and responsibilities, and review the construction schedule.
- **Weekly Construction Progress Meetings:**
 - Participants: Construction management, contractors, project managers.
 - Objective: Review weekly progress, address any issues or delays, and update the project schedule.
- **Monthly Project Review Meetings:**
 - Participants: Project management, departmental heads, construction leads.
 - Objective: Review overall project progress, budget adherence, and risk management.
- **Mid-Construction Safety Audit:**
 - Participants: Safety department, external safety auditors, project managers.
 - Objective: Conduct a thorough safety audit of the construction site, identifying and mitigating potential risks.

6. Commissioning Phase Meetings

- **Pre-Commissioning Review:**
 - Participants: Engineering teams, operations management, safety department.
 - Objective: Review readiness for commissioning, finalize procedures, and ensure all systems are tested.
- **Regulatory Inspection Coordination Meeting:**
 - Participants: Regulatory compliance team, external inspectors, project managers.
 - Objective: Coordinate with regulatory bodies for final inspections and certifications required for operation.
- **Commissioning Progress Review:**
 - Participants: Commissioning team, operations management, engineering leads.

- Objective: Monitor progress during the commissioning phase, addressing any issues in real-time.
- **Final Commissioning Review:**
 - Participants: Project management, regulatory bodies, safety department, operations team.
 - Objective: Review the results of commissioning tests, finalize any outstanding issues, and prepare for full operational status.

7. Operational Phase Meetings

- **Operational Readiness Review:**
 - Participants: Operations management, safety department, training team.
 - Objective: Ensure the reactor and all associated systems are fully operational and that staff are trained and prepared.
- **Daily Operations Briefings:**
 - Participants: Operations management, shift supervisors, safety officers.
 - Objective: Daily review of reactor operations, addressing any immediate concerns or operational adjustments.
- **Quarterly Operational Review Meetings:**
 - Participants: Operations management, safety department, regulatory compliance team.
 - Objective: Review reactor performance, safety protocols, and regulatory compliance on a quarterly basis.
- **Annual Performance Review:**
 - Participants: Operations management, project managers, financial department, regulatory bodies.
 - Objective: Review the overall performance of the reactor over the year, including financial, operational, and safety metrics.

8. Expansion and Rollout Meetings

- **Expansion Strategy Meeting:**
 - Participants: Project management, regional government representatives, engineering teams.
 - Objective: Develop a strategy for the expansion of additional reactors in other states, including site selection and resource allocation.
- **Site Selection Review:**
 - Participants: Geologists, environmental scientists, engineering teams, project managers.
 - Objective: Evaluate potential sites for new reactors based on technical and environmental criteria.
- **Replication Design Review:**
 - Participants: Engineering teams, Danish experts, project managers.
 - Objective: Adapt the original reactor design to new sites, considering local conditions and improvements.

9. Decommissioning Phase Meetings

- **Decommissioning Planning Meeting:**
 - Participants: Decommissioning team, project management, regulatory compliance team.
 - Objective: Develop a comprehensive plan for safely decommissioning the reactor at the end of its life cycle.
- **Final Fuel Removal Coordination Meeting:**
 - Participants: Operations management, safety department, external waste management experts.
 - Objective: Coordinate the safe removal and storage of remaining nuclear fuel.
- **Site Dismantling Review:**
 - Participants: Decommissioning team, safety officers, environmental specialists.
 - Objective: Review the progress of site dismantling, ensuring that all radioactive materials are handled and disposed of properly.
- **Final Decommissioning Audit:**
 - Participants: Regulatory bodies, project management, safety department.
 - Objective: Conduct a final audit to ensure the site meets all decommissioning requirements and is safe for future use.

10. Final Project Closeout

- **Project Closeout Review:**
 - Participants: Project management, financial department, regulatory compliance, stakeholders.
 - Objective: Review the entire project, documenting lessons learned, final financial outcomes, and the overall success of the project.
- **Knowledge Transfer Workshop:**
 - Participants: Project team, local engineers, academic institutions.
 - Objective: Transfer knowledge gained during the project to local experts and institutions, ensuring sustainability and capacity building.
- **Final Stakeholder Meeting:**
 - Participants: Government officials, local communities, project team, Danish partners.
 - Objective: Present the final outcomes of the project, celebrate achievements, and discuss future opportunities.