**Research Proposal Template for Studies on ASEAN Power Grid Modernization**

**I. Introduction/Project Background**

Requirements: Provide an overview of the energy sector transformation and the importance of the ASEAN Power Grid (APG) in the context of regional energy security and low-carbon transition.

**II. Research Objectives/Questions**

Requirements: Clearly define the objectives of the research, focusing on the identification, analysis, and recommendation of new technologies for the APG.

**III. Scope of Work**

Requirements: Delineate the scope, including the categories of new technologies to be studied and the aspects of APG they will address.

**IV. Methodology**

Requirements: Describe the coordinated approach among consultant teams, the methods to be applied, and how these methods will be tailored to the specific needs of each technology category.

**V. Activities and Milestones**

Requirements: List the activities to be undertaken by each consultant team and specify the milestones, such as the completion of each study phase and workshop organization.

**VI. Deliverables**

Requirements: Detail the expected outputs, including comprehensive reports, an integrated roadmap, policy recommendations, identified pilot projects, and recommendations for addressing energy security concerns.

**VII. Timeline**

Requirements: Provide a detailed schedule of the project, including key milestones and timelines for literature review, data analysis, expert interviews, and workshops. The project duration we envisage is one year.

**VIII. Budget**

Requirements: Outline the financial plan, including the total budget, cost breakdown for each activity, and funding sources.

**IX. Organizational Profile**

Requirements: Introduce the organization(s) responsible for overseeing the project, including their expertise and experience.

**X. Research Team and Consultants**

Requirements: Present the key personnel and consultant teams involved in the project, including their qualifications and specific roles.

**XI. Capacity Building Activities**

Requirements: Describe the capacity building activities designed for ASEAN government officials and energy company management officials. These can be integrated into the workshop plan of the project.

**XII. Expected Policy Recommendations / Achievements**

Requirements: Elaborate on the anticipated outcomes, how they align with the APAEC Program Area 1 on APG, and the potential benefits of integrating new technologies.

**XIII. References**

Requirements: List all references cited in the proposal, ensuring they are relevant to the energy sector, new technologies, and the ASEAN context.