

## TERMS OF REFERENCE

### ASEAN POWER GRID PROGRAM

#### A. Background Information

- 1 The project will develop a concrete roadmap required to reinforce ASEAN Power Grid (APG) initiative with transparency and a monitorable progress-driven plan to advance its functioning intergovernmental and institutional agreement for power trading in the Asean region to increase renewable energy into total primary energy supply. The roadmap will foster systematic stepwise progression of the APG from the current study to implementation stage. The rationale for the APGP roadmap is derived from longstanding plans for a multicountry power grid to enhance renewable energy and reduce fossil fuels in the Region. However, while the planning for APG began in 1986, it has been impacted by limited coordination and stop-and-go-progress, and has thus remained in a study stage. Implementation of APG has a significant potential to connect demand for and supply of renewable energy to meet the region's growing energy demand. APGP aims to foster a considerable increase in the share of renewable energy resources and correspondingly reduce fossil fuel energy production across the Region through interconnections that serve to leverage renewable energy production with demand.
- 2 While APG has been studied over the decades, the final diagnostics, including grid and regulatory harmonization and institutional set up are needed in addition to a structured timeline that moves the political decision-making to final decision among the participating countries. The roadmap provides a charted pathway for the still pending analytical work that is required to bring the APG to the ASEAN decision-makers, eg. a harmonized grid code, harmonized regulatory framework and identification of the institutional setup for the trading mechanism. The roadmap schedules staged timelines for the required diagnostics for completion and identifies the decision making steps in light of the regular meeting framework of the ASEAN and the relevant agencies. The roadmap constitutes Output 2 within the context of the APGP.
- 3 The Output 3. of the APGP: Analytical Work, which is identified in the roadmap, embodies AIMS III Phase 3 scope, and is defined to identify barriers and challenges for the variable renewable energy integration in the cross-border and multilateral electricity trading, among others, but not limited to: pricing formulation and subsidies, regulatory and incentives roadmap and frameworks, reliability (taking attention in the intermittency and advanced RE forecasting) and grid integration, cross-border integrated power operation, third party access and its harmonization, and institutional capacity and financial capacity of the AMS. It will also build on top of the results achieved under AIMS III Phase 1 and 2, which identified 62 potential renewable sites (42 sites for solar and 20 for wind) from the 8,119 GW technical gross capacity of solar and 342 GW of wind that by supporting the expansion of multilateral trading through pilot projects. The scope of Output 3. Analytical studies are detailed under the TOR AIMS III Phase 3, which will be updated upon the recommendations developed by Output 2.

#### B. Specific Activities

- 4 ETP will seek services of a professional consulting entity to prepare a comprehensive and staged roadmap to pursue implementation of a multi-country energy trade in Southeast Asia. This roadmap will serve as a charted path from the current study stage to the launch of multilateral trading operations in ASEAN power markets. The road map will be such that it can be monitored, updated, and used for guiding decisions and resourcing technical and investment inputs. The roadmap will include a financing framework that can be monitored and used to sufficient technical assistance and investment finance and to ensure accountability and progress throughout the planning, preparation, mobilizing financing, and implementation processes.
- 5 The specific of the activities of the consultant entity include:
- a. **Data and information Collection.** A review of the past roadmaps and studies that have brought the APG to its current stage to develop a thorough understanding of the existing analysis on the ASEAN interconnectivity status and the existing AMS multilateral power trading including Lao-Thailand-Malaysia-Singapore-Power Integration Program (LTMS-PIP)<sup>1</sup> and Brunei-Indonesia-Malaysia-Philippines-Power integration Program (BIMP-PIP)<sup>2</sup>, and the Mekong Subregion power integration progress and plans. Establish a publicly available resource to ensure a comprehensive coverage of past, ongoing, and planned technical work to pursue bilateral and multilateral assessments, arrangements, diagnostics, and consultations and decision-making.
  - b. **Technical data requirements.** Develop a comprehensive set of data requirements to accomplish the technical work under Output 2 APG Roadmap and Output 3 Analytical Work<sup>3</sup> from each ASEAN Member States with identification of currently available data and data gaps, and a Data Collection Guidance Note that provides a recommendation to ensure an unobstructed collection process for the required data.
  - c. **Identify required analytical work.** Identify analytical and diagnostic assessments that require updating and remain to be accomplished for moving APGP and the ASEAN Power Grid to implementation. Prepare the related terms of reference for these Output 3 and preliminary terms of reference for the output 4.
  - d. ~~**Output 3 detailed terms of reference.** Prepare detailed technical terms of reference for the Output 3 technical diagnostic studies including their monitoring and evaluation (M&E) frameworks in line with ETP's standards for TORs and for Results-based Monitoring Framework. *The consulting entity selected through this process will not be eligible to bid for the tender for Output 3.*~~
  - e. **Draft a staged timeline and stepwise plan for APG.** Establish a staged roadmap, plan for undertaking the pending diagnostic and analysis, data collection among other work, including investments to be accomplished for implementation of the APG. Identify decision making steps, necessary circulations and consultations. Account for the ongoing and regular work

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<sup>1</sup> Lao-Thailand-Malaysia-Singapore Power Integration Project

<sup>2</sup> Brunei Darussalam-Indonesia-Malaysia-Philippines Power Integration Project

<sup>3</sup> Focus 1: Minimum Requirements for Multilateral Market Development; Focus 2: Regulatory Framework; and Focus 3: Grid Code and Technical Standard. See more: ■ ASEAN POWER GRID PROGRAM (APGP) Concept Note\_.pdf

plans of energy sector stakeholders, particularly ASEAN and its agencies, their timelines, meeting schedules, in view of the ASEAN plans for the APG.

- f. **Identify investments for physical interconnections for the power grid in the region.** Identify the planned and existing multilateral power projects in the ASEAN region and Interconnections<sup>4</sup> among other interfaces. Review their interconnectivity status to ensure the sub-regional initiatives are accounted for in the APGP roadmap. Assess the enabling conditions, analyze the risks and opportunities for integration of the initiatives, and develop recommended pathways for integration and harmonization with the existing AMS multilateral power trading of LTMS-PIP and wider APG. Identify opportunities for APG in the context of the wider Asia Region, and recommend steps to capture value addition of the broader power grid consortiums<sup>5</sup> in Asia and the Pacific.
- g. **Legal steps.** Develop and recommend a carefully sequenced legal pathway to take the analytical work toward the implementation stage of the APG, including identification of required agreements among the various issues that must receive multilateral agreement for enabling a multilateral trading arrangement to be implemented.
- h. **Financing Plan.** Develop a financing plan for each requirement and stage of the roadmap that can be used for funding requests and bringing in various sources, including technical assistance, grants and concessional and non-concessional finance, among other resources as appropriate, from public and private sources.
- i. **Donor coordination.** Develop a donor coordination matrix and the related financing possibilities to fill the resource requirements identified under the financing plan, including suggested mobilization timelines. Clearly show possible gaps in the funding levels, for which additional resources are required and timing mismatches, if any, between the required resources and delivery of the inputs.
- j. **Organizational roles for decision-making.** Review organizational issues and undertake an in depth assessment of any possible strengthening requirements related to the institutional roles of entities and coordination bodies relevant to the APG and APGP. Point out where overlaps and gaps exist; and provide advice for resolving these overlaps and gaps, with the objective to ensure smooth progressing of the APGP toward implementation of the APG.
- k. **Governance arrangements for the Roadmap endorsement.** Review the governance and organizational arrangements of key ASEAN institutions at the decision-making level including, but not limited to ASEAN Ministers on Energy Meeting (AMEM), Senior Officials Meeting on Energy (SOME), HAPUA Council and Technical Working Groups for implementing APGP as a support program for the implementation of APG and comment on the organizational arrangements for the APGP to ensure optimized arrangements in support of the success of the APG. Prepare a time bound schedule, in the context of the roadmap, for the technical and political decisions for moving the AGP forward to implementation.

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<sup>4</sup> Greater-Mekong-Subregion Power Trade and Interconnection

<sup>5</sup> Referring to, but not limited to, Green Growth Initiative-One Sun, One World, One Grid

- l. **Consultative partners forum.** In light of existing processes and the multiple national, intergovernmental, donor and technical external agencies that constitute the stakeholder community for the APG in the energy sector in Southeast Asia, propose and describe a consultative development partner forum that can interact on the products of the project with the objective to ensure technical and financial success of the APGP.
- m. **Monitoring and Evaluation Framework.** Establish a monitoring and evaluation framework in accordance with the ETP's Results-based Monitoring Framework (RBMF) for the roadmap with clear review breaks and milestones for decisions, pertaining to the management of the APGP and, more substantively and separately, APG implementation project.

## C. Reports

- 6 The selected entity will prepare the following products, in publishable English with Executive Summaries and catchy powerpoint presentations with the content of each product covering the terms of reference.
  - a. Inception Report, includes;
    - i. Executive Summary (max. 2 pages)
    - ii. Project methodology with timeline, processes, outputs, data collection and implementation framework to accomplish the tasks under para 5a-5m;
    - iii. Monitoring and evaluation framework in accordance with the ETP's Results-based Monitoring Framework (RBMF) for accomplishing the assignment under para 5m;
    - iv. Commentary on the comprehensiveness of the TORs under para 5d and propose adjustments as identified optimal.
    - v. Powerpoint presentation of the inception report

This report will be circulated widely to the relevant authorities and coordinating bodies and will receive time-bound comments for correction and augmentation, which the selected entity will incorporate to improve the quality of the outputs.

- b. First Draft Report, includes;
  - i. Outline of the APGP Roadmap for implementation of the APG under a number of scenarios as deemed appropriate by the engaged entity addressing the tasks under para 5a-5g and 5j-5l; with
  - ii. Progress report that includes a review of the assignments and all of its aspects;
  - iii. Updated M&E profile in accordance with the ETP's RBMF addressing the task under para 5m;
  - ~~iv. Annex: detailed TOR of APGP Output 3 Analytical Work with data requirements and Data Collection Guidance Note and their M&E frameworks addressing the task under para 5d; and~~
  - v. Powerpoint presentation of the 1st Draft Report with Outline of the APGP Roadmap

This report will be circulated widely to the relevant authorities and coordinating bodies and will receive time-bound comments for correction and augmentation, which the selected entity will incorporate to improve the quality of the outputs.

c. Second Draft Report, includes:

- i. Draft of the APG Roadmap as well as the financing framework with estimates including the necessary breakdowns and contingencies, for implementation of the APG under a number of scenarios as deemed appropriate by the engaged entity addressing the tasks under 5a-5l; with
- ii. Progress report that includes a review of the assignments and all of its aspects;
- iii. Updated M&E profile in accordance with the ETP's RBMF addressing the task under para 5m; and
- iv. Powerpoint presentation of the 2nd Draft Report with Draft APG Roadmap and Financing Framework.

This report will be circulated widely to the relevant authorities and coordinating bodies and will receive time-bound comments for correction and augmentation, which the selected entity will incorporate to improve the quality of the outputs.

d. Final Report that incorporates findings, recommendations, and conclusions. This report will cover all the terms of references, and the detailed discussions as necessary in its appendices, the roadmap for implementation of APGP to bring APG to its fruition and the related financing framework. Specifically, it will include;

- i. Final APG Report with the financing framework completing the tasks from 5a-5l;
- ii. Final M&E profile in accordance with the ETP's RBMF addressing the task under para 5k; and
- iii. Powerpoint presentation of the final APG Report with the financing framework

This report will be expected to be approved by the region's APG's relevant institutions and decision-making authorities and be vetted and used by all the coordinating entities. This report will be circulated widely to the relevant authorities and coordinating bodies and will receive time-bound comments for correction and augmentation, which the selected entity will incorporate to improve the quality of the outputs.

## D. Implementation and Timeline

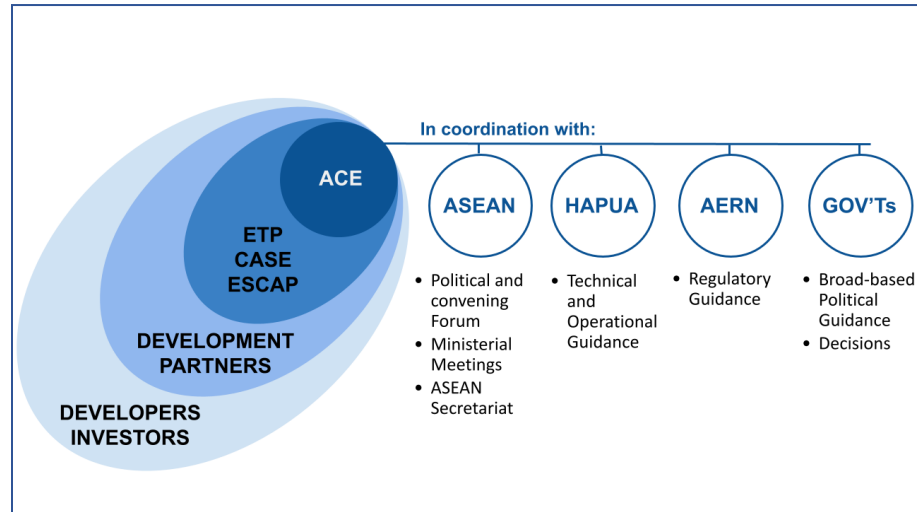
- 7 ETP will engage international and local expertise to implement the activities, under the supervision of the ETP Secretariat and in consultation with ACE and the Heads of ASEAN Power Utilities Association (HAPUA), the Association of the Energy Regulators Network (AERN), the ASEAN Secretariat, UNESCAP, USAID and other development partners engaged in the APG implementation.

- i. **ACE**, as the designated ASEAN Secretariat implementation and coordination agency for the ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025 Phase II that sets ASEAN policies and programs, will lead the project through a dedicated project management unit (PMU). ACE will provide the required linkages to political decision-making and events at Senior Officials' Meeting on Energy (SOME) and ASEAN Ministers of Energy Meeting (AMEM)

level to ensure the endorsements of APGP and its outputs, and coordination with ASEAN (HAPUA, the Renewable Energy Sub-Sector Network, the Regional Energy Policy and Planning Sub-Sector Network, the Association of the Energy Regulators Network, among others) and ASEAN Secretariat to drive and coordinate a progressive and forward-moving implementation to achieve the objectives of the Project. ACE will also be in charge of the data collection process and provide the technical capacity for the analytical works.

- ii. **ETP** will provide funding and engage international and local expertise to deliver outputs 2 (Analytical work), 3 (Roadmap) and 4 (Implementation of the Multilateral Power Trade Pilot Project - in part, subject to the availability of other funders) as approved on a component by component basis. ETP will also support and lead, as necessary, convening of the parties to marshal and aid decision-making with the aim to achieve the project outputs and objectives.
- iii. **CASE** will provide technical advisory and coordination services under the component 1, supporting ACE with the implementation of the AIMS III phase 3 and the overall APG planning process with two objectives of (i) ensuring the consistency and alignment of the studies with ASEAN strategy and the long-term objective of ASEAN's energy transition; and (ii) ensure consistent, regular, and systematic coordination of the planning and decision-making processes, convening of parties, and engaging political processes to drive and achieve the objectives of the Project.
- iv. **HAPUA** will convene the appropriate and relevant parties at the country level in the process, engaging utility stakeholders at appropriate levels, sectors, and national ministries when and where their decision-making is required to make concerted and timely progress to achieve the objectives of the Project.
- v. **AERN** will conduct dialogue on the regulatory aspect of the APGP ensuring dissemination of information to its membership.
- vi. **ASEAN Secretariat** will support APGP with guidance and suggestions to ensure inclusive consultations and information sharing with the ASEAN institutions relevant to APGP.
- vii. **ESCAP** will provide complementary advisory and coordination services for the project, utilizing in particular its intergovernmental processes to connect the activities beyond ASEAN Member States with the Asia region more broadly. APGP will be able to leverage additional advisory and coordination services and possible further funding from the Green Grids Initiative (GGI)'s wider ecosystem of partners, including the Regulatory Energy Transition Accelerator (RETA) through ESCAP's role as the lead of GGI Asia-Pacific Working Group.
- viii. **Development Partners** will offer technical assistance and investment finance and will continue to finance the analytical and other needs of the APG project.

**Figure 2. Coordination for APGP**



- 8 ACE is the implementing agency for the AIMS III and all of related studies and activities, in collaboration with the HAPUA Secretariat, the HAPUA Working Group 2: Transmission/APG, HAPUA Working Group 4: Policy Study and Commercial Development, and the APGCC. ACE will coordinate the work under APGP with the involvement and support of the AIMS III Working Group members from 10 ASEAN Countries, represented by experts from utilities (HAPUA Members) and policymakers and regulatory bodies (ministries/or other regulatory bodies).
- 9 Other HAPUA Working Groups (HAPUA Working Group No. 1 – the Generation & Renewable Energy, HAPUA Working Group No. 3 – the Distribution and Power Reliability & Quality, HAPUA Working Group No. 4 – Policy Studies & Commercial Development, and HAPUA Working Group No. 5 – Human Resources) are also foreseen to be involved and provide the input and guidelines, including review and support from ASEAN Power Grid Consultative Committee (APGCC) and ASEAN Energy Regulators Network (AERN) to progress proposals under APGP to decisions.
- 10 A Technical Review Group (TRG) will provide the inputs and feedback, bringing the expertise and knowledge from various regional and international institutions that are relevant to the study. This group will consist of the existing TRG Members: U.S. National Renewable Energy Laboratory (NREL), Hawai'i Natural Energy Institute (HNEI), International Energy Agency (IEA), and International Renewable Energy Agency (IRENA), as well as the potential new TRG Members, such as, but not limited to Asian Development Bank (ADB), the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP), the Agency for the Cooperation of Energy Regulators, the UK Foreign Commonwealth Development Office (FCDO), among others. External partner(s) is expected to be engaged to provide technical and financial support in the development of the study, based on the designated scope of work to fulfill the objectives.

## **E. Schedule**

- 11 A tentative timeline for the consultant's deliverables is provided in Table 1. This timeline will be adjusted based on the selected entity's suggestions and agreement based on the proposal.

**Table 1. The consultant will deliver the outputs of this consultancy in line with the below schedule:**

<b>Milestones*</b>	<b>Deliverables</b>	<b>Expected Payment Schedule</b>
Inception Plan	1 month from contract start date	20%
First draft report	3 months of contract start date *1-month review process	30%
Second draft report	6 months of contract start date *1-month review process	30%
Final report	7 months of contract start date	20%

\*Please refer to the requirements for each milestone from section B. Specific Activities and C. Report.  
TBC: To be confirmed.

**Table 2. Indicative Timeline for APG Roadmap Milestone**

<b>Date</b>	<b>Milestone Targets against ASEAN Events*</b>
April, 2023	Deliverable 1. APG Roadmap Inception Plan
May, 2023	Presentation of the APG Roadmap Inception Plan in <b>41th SOME</b>
End of June, 2023	Deliverable 2. First Draft APG Roadmap
July, 2023	Presentation of the Deliverable 2. First Draft APG Roadmap in <b>41th AMEM</b>
September, 2023	Presentation of the Deliverable 3. Draft APG Roadmap with Financing Framework in the <b>HAPUA Council Meeting</b>
October, 2023	Finalization of the APG Roadmap with Financing Framework
January, 2024	Approval of the APG Roadmap with Financing Framework in the <b>Special SOME Meeting</b>

\*The milestones of the engaged entity's work will be presented at, but not limited to, above events subject to the consultant's progress. The exact dates are to be confirmed prior to the engagement of the consultant.



## **F. Coordination and Implementation**

- 12 The preparation of the roadmap will be implemented in a multilateral context under the coordination of the parties involved in APGP as defined in the Concept Note for APGP. The project manager remains ETP through its Secretariat and the selected entity will have a contract and reporting responsibilities directly to ETP as the client of the assignment.
- 13 The roadmap preparation will be implemented in coordination with the Asean Secretariat, the Heads of Power Utilities Association (HAPUA) and the Senior Officials Meeting on Energy (SOME), the ASEAN Energy Regulatory Network (AERN) and multilateral forums arranged by the ASEAN Centre for Energy, supported by the CASE project and by ESCAP, and the Asian Development Bank, as well as in the broader development partner coordination mechanism established in the context of the project.
- 14 APG terms of reference (AIMS III Phase 3) have been approved by HAPUA. APGP also has been submitted to and been endorsed by the Senior Officials Meeting on Energy (SOME) through coordination by ACE, as the operating arm of ASEAN Ministers on Energy Meeting (AMEM), and circulated to the ASEAN Secretariat (Energy Division) for comments.

## **G. Data collection**

- 15 The consulting entity will dispatch a lead expert to the region to manage the project process either on an intermittent or full-time basis; and will ensure that its resources are sufficiently represented in the region to enable efficient and effective data collection and representation and project-specific support at the ASEAN Centre for Energy.
- 16 The consulting entity will be responsible for coordinating and managing logistics for counterpart's mission, hereby ASEAN Centre for Energy, in conducting data collection assignments requiring travel. The logistics for travel arrangements will be discussed before the initiation of the project/ project inception phase.
- 17 The roadmap will develop a detailed analysis of past, presently ongoing and planned assistance provided to the APG initiative and identify and provide information on the ways through which the actions within the roadmap will build on, collaborate and capitalize on such external assistance. The roadmap will identify linkages and interfaces and dependencies of the project with external factors to the project as well as the domestic-regional interdependencies and interfaces as well as requirements at domestic level for progressing from the current study stage to the APG implementation by 2025.

## **H. Qualification and Evaluation Criteria**

### **Qualification Criteria**

- 18 The consulting entity to implement the project on behalf of ETP should fulfill the following requirements:
  - a. The company should have a minimum five (5) years of experience in working in similar capacities of regional power market and system modeling/ energy transmission and integration/ relevant similar fields, particularly in ASEAN.

- b. Offeror must provide a minimum of two (2) customer references from which similar services such as, but not limited to, regional/ bilateral power market initiatives, have been successfully provided, within any of the last 8 years.
- 19 The consulting entity to implement the project on behalf of ETP should fulfill the following requirements:
- 20 The overall team is expected to have the following qualifications:
  - a. Extensive experience in power sector policy and regulation, power systems, transmission planning, operation, expansion, and regulation, and power market development and transmission is required. Experience from the ASEAN region is an advantage.
  - b. Experience in policy and regulatory analysis, energy modeling, economic/financial analysis, data collection, compilation and validation on both regional and national levels to establish the roadmap is desired.
  - c. In-depth understanding of the ASEAN initiatives of the ASEAN Power Grid, ASEAN Plan of Action for Energy Cooperation (APAEC), ASEAN Interconnection Masterplan Study (AIMS) and relevant policies is required.
  - d. In-depth understanding of the key ASEAN governing institutions and stakeholders of Heads of ASEAN Power Utilities Authorities (HAPUA), Renewable Energy Sub-sector Network (RE-SSN), Regional Energy Policy and Planning Sub-sector Network (REPP-SSN), ASEAN Energy Regulators Network (AERN), ASEAN Power Grid Consultative Committee (APGCC), ASEAN Ministers of Energy Meeting (AMEM), Senior Officials Meeting on Energy (SOME), and relative stakeholders in the context of energy is an advantage.
  - e. Proven work experience with governmental authorities, international donors/ development partners, and utilities in Southeast Asia is a preference.
  - f. Considering the importance of close coordination with stakeholders in ASEAN, it is expected that the team proposed consists of consultant(s) who understands the regional context of Southeast Asia.
- 21 The lead individual should have the following qualifications:
  - a. Education: Master's Degree or higher education in Energy, Energy Markets, Finance, Economics, Environment, Climate Change, Development Policies, Engineering, or related fields is required.
  - b. Work Experience
    - i. A minimum of 10-year experience in energy and/or climate change policies, development policies, program and project planning, energy trading and/or finance and economics of energy, energy sector market mechanisms;
    - ii. Professional experience in leading energy sector, clean energy; energy sector market mechanisms projects is required;

- iii. Strong knowledge of the energy and climate landscape, energy transition, political, economic, and social situation in the ASEAN context is required.
- iv. Previous successful involvement with, and good knowledge of, donor, government, private sector, and civil society in the ASEAN context is desired.
- v. Computer literacy in Microsoft packages (MS Word, MS Excel, MS Access, MS Power Point) is required.

22 The project team members should have the following qualifications:

1. International Power Sector Policy Expert	Master degree in environment, climate change/ relevant subject with additional 10 years of experience in energy and power sector policies and regulation, economics, finance, legal and/or technical areas, energy trading, multilateral power trading.
2. ASEAN Power Sector Policy Expert	Master degree in environment, climate change/ relevant subject with additional 10 years of experience in energy and power sector policies and regulation, economics, finance, legal and/or technical areas, energy trading, multilateral power trading.
3. International Transmission Expert	Master degree in electrical engineering or related field with an additional 10 years of experience in transmission planning, operation and expansion, transmission planning software, power system operation.
4. Energy Economics and Finance Expert	Master's degree in economics and finance in energy or related field with additional 10 years of experiences in economics impact assessment for policy development

### **Evaluation Criteria**

23 Eligibility and Formal Criteria: The criteria contained in the table below will be evaluated on Pass/Fail basis and checked during Preliminary Examination of the proposals.

Criteria	Documents to establish compliance with the criteria
1. Offeror is eligible as defined in Instructions to Offerors, Article 4	A. Form A: Joint Venture Partner Information Form, all documents as required in the Form, in the event that the Proposal is submitted by a Joint Venture.

	B. Form B: Proposal Submission Form
2. Completeness of the Proposal. All documents and technical documentation requested in Instructions to Offerors Article 10 have been provided and are complete	A. All documentation as requested under Instructions to Offerors Article 10, Documents Comprising the Proposals
3. Offeror accepts UNOPS General Conditions of Contract as specified in Section IV	Form B: Proposal Submission Form

- 24 Qualification Criteria: The criteria contained in table below will be evaluated on Pass/Fail basis and checked during Qualification Evaluation of the proposals.

Criteria	Documents to establish compliance with the criteria
1. The company should have a minimum of 5 years of continuous experience in delivering similar projects in the past with a track-record of success.	A. Certification of incorporation of the Offeror B. Form F: Performance Statement Form
2. Offeror must provide a minimum of two (2) customer references from which similar services have been successfully provided, within any of the last 5 years	Form F: Performance Statement Form

- 25 Technical Criteria: Technical evaluation will be carried out to bids that pass the eligibility, formal and the qualification criteria, with requirements as follows:

- a. The maximum number of points that a bidder may obtain for the Technical proposal is 80. To be technically compliant, Bidders must obtain a minimum of 56 points
- b. Minimum pass score: 70% of maximum 80 points = 56 points

#### Technical proposal points allocation

Section number/description		Points Obtainable
1	Offeror's qualification, capacity and expertise	25
2	Proposed Methodology, Approach and Implementation Plan	30
3	Key Personnel proposed and Sustainability Criteria	25
Total Technical Proposal Points		80

### Section 1

Section 1: Offeror's qualification, capacity and expertise		Points	Sub-points
1.1	Brief description of the organization, including the year and country of incorporation, and types of activities undertaken, including relevance of specialized knowledge and experience on similar engagements done in the past. (Max 4 pages written text plus 1 Matrix )	20	
	Experience in projects of comparable size, type, complexity and technical specialty		10
	Experience in providing similar services in the region		5
	Understanding of ASEAN stakeholder institutions and policies/regulations in the context of energy		5
1.2	General organizational capability which is likely to affect implementation: management structure, and project management controls. (Max 4 pages written text)	5	
	1. Management structure, management controls, and extent to which any part would be subcontracted		3
	2. Financial Capacity/financial stability: Bidder should have minimum annual turnover of 500,000 USD in any of the past 2 years Liquidity / quick ratio should be minimum 1, in any of the past 2 years .  In case of a joint venture, annual turnover is calculated based on the total annual turnover of the JV members. In case of a joint-venture, at least one of the JV members should have 1 liquidity/quick ratio in any of the past 2 years.		2
Total points for section		25	

### Section 2

Section 2: Proposed Methodology, Approach and Implementation Plan	Points	Sub-points
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2.1	Description of the Offeror's approach and methodology for meeting or exceeding the requirements of the Terms of Reference	20	
	1. Description of the offeror's approach to developing the ASEAN Power Grid Roadmap in the context of the current challenge of progressing APG from study to implementation		10
	2. Description of the offeror's approach to developing the financing framework that can be monitored and used to ensure accountability and progress throughout the planning, preparation, and implementation processes.		5
	3. Description of offeror's plan to coordinate with the relevant actors involved under ASEAN Power Grid Program (APGP)		5
2.2	Quality Assurance	5	
	A plan outlining how the bidder intends to ensure oversight and quality assurance throughout the assignment. Quality Assurance plan should include discussion on risk-assessment and its mitigation plan		5
2.3	Implementation Timeline	5	
	Bidder submits a detailed implementation timeline which includes detailed activities to be undertaken during this assignment, and is completed with gantt chart		5
Total points of the section		30	

### Section 3

Section 3: Key personnel proposed and Sustainability Criteria		Points	Sub-points
3.1	Qualifications of key personnel proposed	20	
	1. Team lead		6

	2. International Power Sector Policy Expert		3.5
	3. International Transmission Expert		3.5
	4. Energy Economics and Finance Expert		3.5
	5. Energy Modeling Expert		3.5
3.2	The bidder shall provide a response that demonstrates its commitment to support gender equality through its operations	5	
Total points of the section		25	