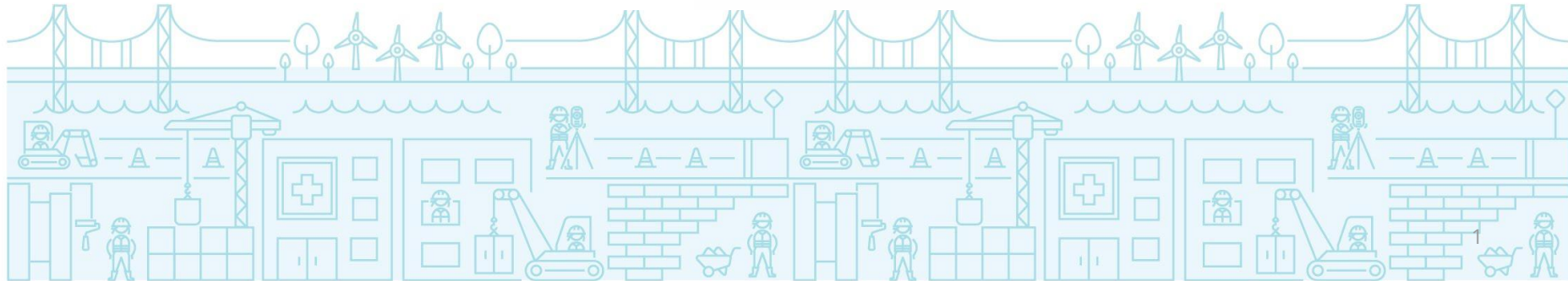




RFP/2024/52445

RFP for A Study on the Proposed Harmonisation of Grid Codes and Minimum Operational Technical Standards for Interconnections under the ASEAN Power Grid



1

PROJECT DETAIL



— Introduction of ETP



ETP Partners with governments to move to low carbon energy systems in SEA.

- ❖ **Encouraging** policy makers to promote the right investment environment, legal and regulatory frameworks that support rather than impede energy transition
- ❖ **De-risking** of finance and investments for businesses looking to make investments into clean energy; and
- ❖ **Expanding** grids to facilitate safely and surely variable renewable energy to consumption
- ❖ **Knowledge** to empower governments, private sector and civil society to underscore a demand for rapid transformation.

Energy Transition Partnership (ETP)

A unique platform of government donors, philanthropies, and partner governments that supports policies, projects that provide de-risking of renewable energy and energy efficiency, and smart grid, and capacity building for energy transition.

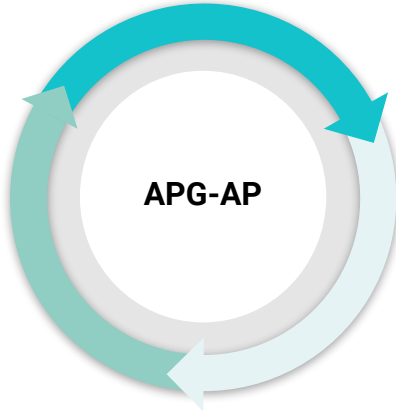
About ASEAN Power Grid Advancement Program (APG-AP)



ASEAN Centre for Energy
One Community for Sustainable Energy



CASE
for Southeast Asia



Overview of APG-AP



ASEAN has long pursued the **ASEAN Power Grid** to promote power interconnection and trade in the region.



APG-AP aims to **accelerate the achievement of a regional power trade** in ASEAN with more renewable supplies.



ACE, CASE, and ETP signed a **Partnership Agreement** to formalise the program.

Rationale



Through the ASEAN Interconnection Masterplan Studies (AIMS III), various existing and potential interconnection projects have been identified. In its third phase or also referred to as AIMS III Phase 3, the focus is on the establishment of a **multilateral power trade arrangement**.



With the increasing number of cross-border power interconnections being pursued bilaterally and at the sub-regional level, the **grid codes and technical standards harmonisation becomes varied and could be a bottleneck for APG implementation**.



To facilitate the acceleration of the regional power grid with a working multilateral power trade arrangement, there is **an urgent need to have harmonised grid codes and other technical standards**.



The study should be developed in close coordination with other parallel works of AIMS III Phase 3 under the **overall supervision of UNOPS-ETP in collaboration with APG-AP consortium, esp. ACE**.

Output 3 of APG-AP: Analytical Work (AIMS III Phase 3)



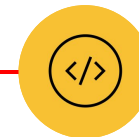
Minimum Requirements and Strategy for MPT

- A study to identify the minimum requirements for multilateral power market.
- Strategy to establish ASEAN Multilateral Power Trade (MPT).



ASEAN-wide IRRP Method and Its Governance

- Proposed Methodology & and guidelines for ASEAN-wide Integrated Resource and Resilience Planning (IRRP)



Grid Code and Technical Standards

- Proposed a harmonised grid-code/minimum operational technical standards for interconnection under the APG.



ASEAN Centre for Energy
One Community for Sustainable Energy



ENERGY
TRANSITION
PARTNERSHIP



CASE
for Southeast Asia

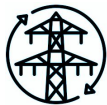


UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific

Outputs and Outcome



The primary output of this project is to develop **one report** on the proposed harmonised grid codes and minimum operational technical standards for interconnection under the APG. The report will include **a landscape scanning of the current state of grid codes and technical standards in ASEAN** based on the existing interconnections and **provides a recommended pathway to harmonise them.**



The outcome of this project is to shift the APG from study phase to implementation through the **recommended approaches in harmonising the grid codes and technical standards** that will help accelerate the process of synchronising the technical aspects of cross-border power trade.

Deliverables and Timeline

Milestone	Expected Deliverables	Timeline	% of payment
1	Deliverable 1 - Inception Report	Month 1	10%
2	Deliverable 2 - Part 1 Report on the Proposed Harmonised Grid Code and Technical Standards	Month 3	25%
3	Deliverable 3 - Part 2 Report on the Proposed Harmonised Grid Code and Technical Standards	Month 6	35%
4	Deliverable 4 - Final Report on the Proposed Harmonised Grid Code and Technical Standards	Month 8	30%
Non-personnel Reimbursable Costs	Consultations, communications, and dissemination	Months 1, 3, 5, 8 (TBC)	N/A, at cost
Continuous - Contract Monitoring Requirement	Monthly Progress Report	Monthly submission	N/A

Scopes of work - Report

Part 1 - Stepwise strategy to set up grid code recommendations for the APG

1. Analysis of the existing technical framework and applicable grid code documents for each AMS
2. Analysis of similar studies on grid codes recommendations for ASEAN-wide or sub-regional grid code
3. Identification of the minimum requirements for an ASEAN-wide harmonised grid code
4. Recommendations for developing and implementing a harmonised ASEAN grid code

Part 2 - Strategy to develop and implement grid codes

1. Defining harmonised technical standard for system and market operation
2. Defining *ex-post* congestion management strategy, *ex-ante* congestion management strategy
3. Defining harmonised wheeling charge methodology, information disclosure and ancillary service market design
4. Defining interconnector capacity calculation methodology based on the past AIMS studies

Scopes of work - Consultations

Participate and Present in:

- 1 Kick-off meeting** for AIMS III Phase 3 with ASEAN Member States
- 1 Coordination meeting** held by APG-AP to share progress of the studies and consult with member states
- 1 Final validation workshop** to share the findings to the member states and get their buy-in

Note on Travel Entitlements

- **Flights:** Economy class airfare with the most direct route.
- **Subsistence:** Following the UN Daily Subsistence Allowance (**DSA**) i.e., the max ceiling rate proposed by the bidder to cover accommodations, meals, transportations, and incidentals.

Scopes of work - Workshop Organisation

Organise a two-day workshop:

- Total participants: 50 people (meeting venue capacity must accommodate this number)
- Location: Jakarta or one of the ASEAN capital cities, except Singapore (TBC)
- Duration: 2 days
- Tentative Date: September 2024
- Travel sponsorship: 30 people (3 from each ASEAN Member State) with entitlements covering economy class return flights and UN Daily Subsistence Allowance (DSA) (2 days). The remaining 20 participants will be self-funded.

Note on Travel Entitlements

- **Flights**: Economy class airfare with the most direct route.
- **Subsistence**: Following the UN Daily Subsistence Allowance (**DSA**) i.e., the max ceiling rate proposed by the bidder to cover accommodations, meals, transportations, and incidentals.

Scopes of work - Communications

No.	Communications Items	Quantity
1	Social media posts The Consultant will provide texts (approx 100 words) and photos (minimum 2). The ETP team will publish the content on ETP's social media sites (LinkedIn , Facebook , Twitter),	1 post per platform per public workshop/event
2	Press Releases The Consultant will compile texts (approx 500 words), following which the ETP team will publish the press release on ETP website.	1 per public workshop/event
3	Articles for ETP Website The Consultant will compile texts, following which the ETP team will publish the article on ETP website align with high quality photos.	2 - including 1 by mid project, and 1 upon project completion
4	Project wrap-up presentation A 15-20 minute recorded presentation (with slide deck) summarising key highlights of the project. The recording will be featured on the ETP website as a knowledge item.	1 upon project completion
5	Database of project photographs from events/activities	15-20 high-quality images per workshop/event/activity, inclusive of 'action shots' capturing key speeches, activities and participant engagement

Proposed Personnel

- Core Team Composition:
 - Team Lead - ≥ 10 years experience
 - Southeast Asia Legal, Regulatory, and Policy Expert (Power Sector Specific) - ≥ 7 years experience
 - Transmission and Power Systems Operations Expert - ≥ 7 years experience
 - Power Systems Planning Expert - ≥ 7 years experience
- Bidders must identify at least one Jakarta based personnel:
 - Qualifications: Can be one of the core team, or an additional team with at least the same level of qualifications.
 - Arrangements: Work from ACE's office a few days a week.
 - Working permit: The bidders must ensure that the Jakarta-based personnel can legally work in Indonesia as an Indonesian national or otherwise.

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EVALUATION CRITERIA

Selection Criteria

1. Eligibility and Formal Criteria (Pass/Fail)
2. Qualification Criteria (Pass/Fail)
3. Technical Criteria (Numeric Score)
4. Financial Criteria (Numeric Score)

1. Eligibility and Formal Criteria

Criteria	Documents to establish compliance with the criteria
<p>1. Offeror is eligible as defined in Instructions to Offerors, Article 4.</p> <p><i>In case of JV, all JV members should fulfil this requirement</i></p>	<ul style="list-style-type: none">• 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.• Form B: Proposal Submission Form
<p>2. Completeness of the Proposal. All required Questionnaires (if any), Returnable Bidding Forms, and other documentation requested under the Document Checklist section have been provided and are complete</p>	<ul style="list-style-type: none">• All documentation as requested under Instructions to Offerors Article 10, Documents Comprising the Proposals
<p>3. Offeror accepts UNOPS General Conditions of Contract as specified in Section IV: Contract Forms</p>	<ul style="list-style-type: none">• Form B: Proposal Submission Form

2. Qualification Criteria

Criteria	Documents to establish compliance with the criteria
<p>1. The company should have minimum 5 years of experience with at least 2 similar contracts or projects within related sectors, such as regional power market and system modelling/energy transmission and integration/relevant similar fields, particularly in ASEAN.</p> <p><i>In case of a joint venture (JV), at least one of the JV members should fulfil this criteria</i></p>	<ul style="list-style-type: none"> • Certification of incorporation of the Offeror • Form F: Performance Statement Form
<p>2. Offeror must provide a minimum of two (2) customer references (including name, email address and/ phone number of the focal point) within any of the last 5 years.</p> <p><i>In case of a JV, at least one reference from the JV should be submitted</i></p> <p><i>UNOPS may contact the customer reference when the bidder is awarded the contract.</i></p>	<ul style="list-style-type: none"> • Form F: Performance Statement Form

2. Qualification Criteria

Criteria	Documents to establish compliance with the criteria
<p>3. Financial Capacity/financial stability:</p> <ul style="list-style-type: none"> • Minimum annual turnover: USD 300,000 in any of the past 2 years • Liquidity: Sufficient liquidity demonstrable by at least <u>one</u> of the following: <ul style="list-style-type: none"> - A current ratio (current divided assets by current liabilities) of at least 1 in any of the past 2 years. - Access to a line of credit or bank overdraft. - Other financial means to meet a working capital/cash flow requirement of USD 50, 000 (should the bidder be selected). <p>In case of a JV, 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 demonstrate sufficient liquidity.</p>	<p>Offeror should submit audited financial statements for the past 02 years or any other document/ statement accepted by the local government authorities in which the offeror is legally registered to provide the services.</p>

3. Technical Criteria

Part 1: Offeror's Qualification, Capacity and Expertise	20 points
Part 2: Proposed Methodology, Approach and Implementation Plan	35 points
Part 3: Key Personnel Proposed and Sustainability Criteria	25 points
Total Technical Proposal Points	80 points

- 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**
- ***Minimum pass score: 70% of maximum 80 points = 56 points***

3. Technical Criteria

Part 1: Offeror's Qualification, Capacity and Expertise		20 points
1.1	<p>Brief description of the consultant (organisation), including the year and country of incorporation, and types of activities undertaken, including relevance of specialised knowledge and experience on similar engagements done in the past.</p> <p>Bidders partnering up with a local entity to provide for the strategic consultation, translations; as well as the communications expertise is considered a valuable asset.</p> <p>(Max 4 pages written text plus 1 Matrix)</p>	15
1.2	<p>General organizational capability which is likely to affect implementation: management structure, and project management controls.</p> <p>(Max 4 pages written text)</p>	5

3. Technical Criteria (cont.)

Part 2: Proposed Methodology, Approach and Implementation Plan		35 points
2.1	Description of the Offeror's approach including risk(s) and mitigation measure(s), and methodology for meeting or exceeding the requirements of the Terms of Reference	25
2.2	Quality Assurance Plan	7
2.3	Implementation Timeline	3
Part 3: Key Personnel Proposed and Sustainability Criteria		25 points
3.1	Qualifications of key personnel proposed	22
3.2	The bidder shall provide a clear statement, approach and methodology that demonstrates its commitment to support and mainstream gender equality and social inclusion through its operations and project implementation activities.	3
Total Technical Proposal Points		80 points

4. Financial Criteria

The maximum number of points that a bidder may obtain for the Financial Proposal is **20**. The maximum number of points will be allocated to the lowest evaluated price bid. All other prices will receive points in reverse proportion according to the following formula:

Points for the
Financial Proposal
of a bid being
evaluated

$$= \frac{[\text{Maximum number of points for the Financial Proposal}] \times \{\text{Lowest price}\}}{[\text{Price of proposal being evaluated}]}$$

Financial proposals will be evaluated following completion of the technical evaluation.

The bidder with the lowest evaluated cost will be awarded (20) points. Financial proposals from other bidders will receive prorated points based on the relationship of the bidder's prices to that of the lowest evaluated cost.

Cumulative Analysis

- 1) To select the contractor, a combination of **total Technical + total Financial Score** will be used
- 2) The weight of technical : financial offer is **80:20**

Anticipated Timeline for the procurement



Common Issues in Previous Proposal Submissions

No	Common Issue	Implication	Suggestion
1	Bidder fails to submit complete information. Critical documents such as price schedule, any components of the technical proposal is missing	Bidder will be disqualified	Please ensure you submit all the documents correctly. Please double check the checklist of the document in the system prior to making submission.
2	Bidder has tried to submit through the system, but there was no sufficient time to submit and the deadline pass before bidder can click "submit" .	Submission will not be accepted	Please start your submission process as early as possible. Start by checking whether your company is registered in UNGM. UNGM registration might take several days. We suggest you aim to submit at least 1 day before deadline. Please note that for online tender, UNOPS cannot accept submissions done outside the system (emails, etc)
3	Bidder proposes personnel who are not meeting the education / experience requirements	Bidder's technical score will be impacted	Bidders are encouraged to double check their personnel's CVs and UNOPS requirements
4	Bidders' CVs does not include complete information of the personnel's credentials and only listed the position and company they worked for	Evaluation panel are not able to verify if the personnel meets the requirements	The CVs should include in-depth information of each personnel's past experience, such as type of activities/tasks performed, degree of responsibilities, duration/years and location of employment, etc. Bidders are requested to complete <i>Annex 1 - Detailed Personnel Proposed</i> . Please note that we will only review the minimum positions as per TOR. If more personnel is offered under 1 requested role, please identify the main key personnel to be evaluated.

Common Issues in Previous Proposal Submissions

No	Common Issue	Implication	Suggestion
5	Bidder overestimates the personnel allocation, resulting in financial proposal being extremely higher than the estimate / available funds	The financial proposal is not as competitive, and might result in the proposal not being selected despite the strong technical component	<p>Bidders are suggested to propose personnel aligned with the Terms of Reference. Some additional personnel might be added based on bidder's consideration to deliver the project as per TOR, but adding significant number of additional personnel tend to inflate the proposal significantly, making it much higher than it could be.</p> <p>UNOPS always announces the winner of the bid, as well as the contract value. Bidders are encouraged to check this information to understand how their financial proposal compares with the winning bid.</p>
6	Bidder does not elaborate on their relevant experiences	This impacts their technical score on understanding of local context	An in-depth details of the past experience should be provided, for example, scope of works, client name, project results & impacts, etc.

Common Issues in Previous Proposal Submissions

No	Common Issue	Implication	Suggestion
7	Bidder provides a general methodology, and sometimes, copies and pastes from the tender document	This impacts their technical/ methodology score	Bidder should provide a detailed methodology specifically tailored for this project to demonstrate their capability/capacity to deliver the services.
8	Bidder discloses their financial offer in the technical proposal	The bid will be disqualified	Please only mention your financial offer in <i>Form C: Financial Proposal Form</i> .
9	Bidder does not accept UNOPS General Conditions of Contract, or Added Additional Conditions or Special Conditions of Contract	The bid will be disqualified	Please ensure that you review the detailed UNOPS Conditions of Contract and complete your internal clearance to confirm you accept the Conditions of Contract as it is




Q&A

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