# LPAC MINUTES

**Project:** Accelerating renewable energy development and strengthening climate resilience for enhanced human security and sustainable growth in Viet Nam

**Chairperson:** Mr. Patrick Haverman, Deputy Resident Representative (DRR), United Nations Development Programme (UNDP) in Viet Nam

**Government Members:**

1. Mr. Tran Minh Thong, Department of Finance, Binh Dinh province
2. Mr. Le Quang Hung, Department of Health, Binh Dinh province

**UNDP Members:**

1. Climate Change and Environment Unit: Patrick Haverman (DRR), Trinh Thi Bich Thuy, Nguyen Thanh Ha, Jonathan London, David Payne, Nguyen Thu Huyen, Trinh Thi Mai, Nguyen Mai Nhi, Tran Thuy Hoa.
2. Operations Team: Tran My Hanh (Operation Manager), Ta Thu Tra (Finance), Nguyen Ngoc Loan (M&E), Le Ngoc Dung (SESP), Phan Huong Giang (Communication).

**Secretary:** Tran Thuy Hoa/ CCEU

**Date and time:** Thursday March 20, 2025; from 10.00 – 11.00am.

## I. Project Background:

The project is designed to accelerate renewable energy development in Viet Nam, focusing on offshore wind and hybrid solar-battery systems. It aims to promote a just, inclusive, and sustainable energy transition while scaling up effective models for climate change adaptation, disaster risk reduction and preparedness, and resilience-building initiatives. The project prioritizes enhancing human security, particularly for women and marginalized groups in the most vulnerable regions.

The project is expected to directly benefit approximately 2,836 individuals, half of whom are women, and indirectly impact around 64,000 people, with women also representing 50 percent of this group. Over a 20-year period (i.e., the lifetime of the solar system), the project is projected to avert 92 metric tons of $CO_2$ emissions annually and eliminate the need for 1,111 tons of coal.

## II. Opening remarks by LPAC Chair and co-Chair:

Mr. Patrick Haverman, UNDP Viet Nam DRR, welcomed participants and provided a brief overview of the project. He appreciated the efforts of project team to successfully compete with other countries to get the project for Viet Nam.

He emphasized that the purpose of the LPAC meeting was (i) to ensure that the project is well designed and aligned with UNDP standards, and (ii) to provide an opportunity for final comments prior to its approval.

Mr. Patrick Haverman invited Ms. Trinh Thi Bich Thuy to introduce the project.

## III. Project Presentation:

Ms. Trinh Thi Bich Thuy, Programme Analyst, presented an overview of the project, including the legal framework, development challenges, key project information, objectives and expected activities, the roles of key partners, and project management roles and risk management.
During her presentation, she outlined the project's outputs, key activities, and anticipated results, highlighting its contribution to the Just Energy Transition Partnership (JETP). She emphasized how the project enhances policies for hybrid solar and offshore wind (OSW) development, delivers technical assessments, and offers gender-responsive recommendations to accelerate renewable energy investments. Moreover, the project strengthens disaster risk reduction infrastructure by equipping healthcare stations with hybrid solar systems, constructing resilient housing, conducting tsunami drills, and improving climate adaptation monitoring through an enhanced online evaluation system, aligning with national climate strategies and commitments.

After Ms. Thuy's presentation, the LPAC invited participants to engage in discussion.

## IV. LPAC Discussion

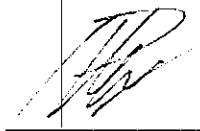
| No. | Issues | Comments | Actions/Responses |
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| 1 | Engagement with government partners | The project will primarily collaborate with Binh Dinh's Department of Health and Department of Finance, recognizing the critical role of provincial authorities in ensuring its successful implementation.<br><br>- Mr. Hung, a representative from the Department of Health, expressed his appreciation for UNDP's support in establishing eight hybrid solar PV systems for local healthcare stations and a decentralized wastewater treatment facility for a health center. He emphasized that this assistance is crucial for maintaining uninterrupted healthcare services during power outages, enhancing sanitation, and preventing the spread of diseases.<br>He also highlighted that the project will particularly benefit women and children in need of medical services within the province. Additionally, Mr. Hung noted the ongoing provincial restructuring, which may impact the locations of healthcare stations, underscoring the importance of working closely with local authorities to select appropriate sites and thoroughly | The project will collaborate closely with Binh Dinh's Department of Health and Department of Finance to ensure effective implementation.<br><br>Following the provincial restructuring, the scale of healthcare stations may expand, necessitating a larger solar PV system and wastewater management infrastructure.<br><br>The Program officer also mentioned that, for the wastewater treatment facility, the PWTP needs to apply Japanese technology with the quality certificate is issued by the Japanese Government. |

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| | | assess capacity and requirements before proceeding with construction.<br><br>- Mr. Thong, a representative from the Department of Finance, expressed full support for the initiative to construct storm- and flood-resilient houses in vulnerable communities. He emphasized the significance of this effort for coastal residents, particularly women-headed households. He also acknowledged the previous support from KVPVP and the current contributions from JSB, which have been instrumental in helping the province achieve the Government's objective of eliminating temporary and substandard housing. | |
| 2 | Short-time implementation of the project | The project timeline is from March 2025 – March 2026 | Since it's a short project of one-year implementation, the project activities need to be acted very fast, otherwise, we will lose the opportunity. |
| 3 | Solar, Health, and Battery Storage | How many facilities have we already piloted across our projects combining solar and health infrastructure? Are there any lessons learned from these pilots? Integrating solar with battery storage may be the way forward for a broader range of (government) facilities. Do we have sufficient evidence and experience to share at the national level? Are there any policy recommendations we can bring forward in this area? | Currently, six solar PV systems are being installed in six community health stations. These are standalone systems without battery energy storage (BESS). As the installations are still in progress, no lessons learned have been gathered yet.<br>The government has prioritized integrating solar with battery storage; however, there is limited evidence and experience in this area. The insights gained from the project's implementation will be shared with the Ministry of Industry and Trade (MOIT) and incorporated into the policy recommendations developed under Output 1, Activity 1.1. |
| 4 | Storm-Resilient Housing | We've built storm-resilient houses under GCF1, expanded with KVPVP, and will further scale under the new JSB project. During the UN Secretary-General's visit to Viet Nam, we advocated for greater government investment in storm-resilient housing for vulnerable populations. This project should continue to promote stronger government engagement and support for this agenda. | The project will support to construct at least 30 storm-resilient houses to enhance the adaptive and resilient capacity for vulnerable communities. The project results will be informed to center and local government authorities. |
| 5 | JETP Linkages | Under Component 1 of the JSB project, how can we contribute to JETP from a policy perspective? It's important to identify what activities fall outside the JETP support project but can still add | The project team has engaged in internal discussions with UNDP's JETP team to ensure that JSB's support for MOIT aligns with the JETP framework and avoids overlap. |

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| | | value for the Government, JETP, and UNDP. Could you elaborate on what we're planning under this component? And if possible, can this support practical matching of potential projects in Binh Dinh with potential financiers? We don't need more studies and research at this moment but should try to get the developers to talk (and agree) with the financiers | We will explore opportunities to connect potential investors with the JETP team to discuss the feasibility of developing a renewable energy investment project in Binh Dinh province. |
| 6 | Administrative Note | Please remove the TRAC reference from the cover page, only in exceptional we will contribute TRAC | Updated in the revised Prodoc |
| 7 | Risk management | Risk 1: Intensive Project Timeline<br>The project has a high volume of deliverables within a one-year timeframe, posing a risk to effective implementation.<br><br>Risk 2: Delays in Environmental and Social Safeguard Planning (SESP)<br>Waiting for the full written SESP report before providing feedback on construction could delay project activities. | - To mitigate this, the project should leverage the groundwork established by KVPVP in Binh Dinh, ensuring a targeted approach and thorough preparation.<br><br>- To mitigate this risk, proactive engagement in identifying and implementing mitigation measures should take place before on-site actions begin. |
| Conclusion of the LPAC Chairperson | | Mr. Patrick Haverman expressed his appreciation for the valuable insights provided by the Binh Dinh Department of Health and Department of Finance, as well as the contributions from Ms. Ha, KVPVP's Programme Analyst, and Mr. Dung, SESP Officer.<br><br>In conclusion, UNDP is pleased to strengthen our collaboration with Binh Dinh authorities through this project.<br>Key lessons to be considered are the importance of advancing efforts to the policy level in alignment with JETP, and also the need to accelerate progress by implementing activities in parallel.<br><br>The meeting minutes will be shared for review, and the project document will be revised based on the feedback before being signed by Ramla Khalidi, Resident Representative. | |

The LPAC Minutes are endorsed by the LPAC Chairperson and members.

Date: 20 March 2025

Signature: 

Name: Mr. Patrick Haverman, Deputy Resident Representative, UNDP Viet Nam