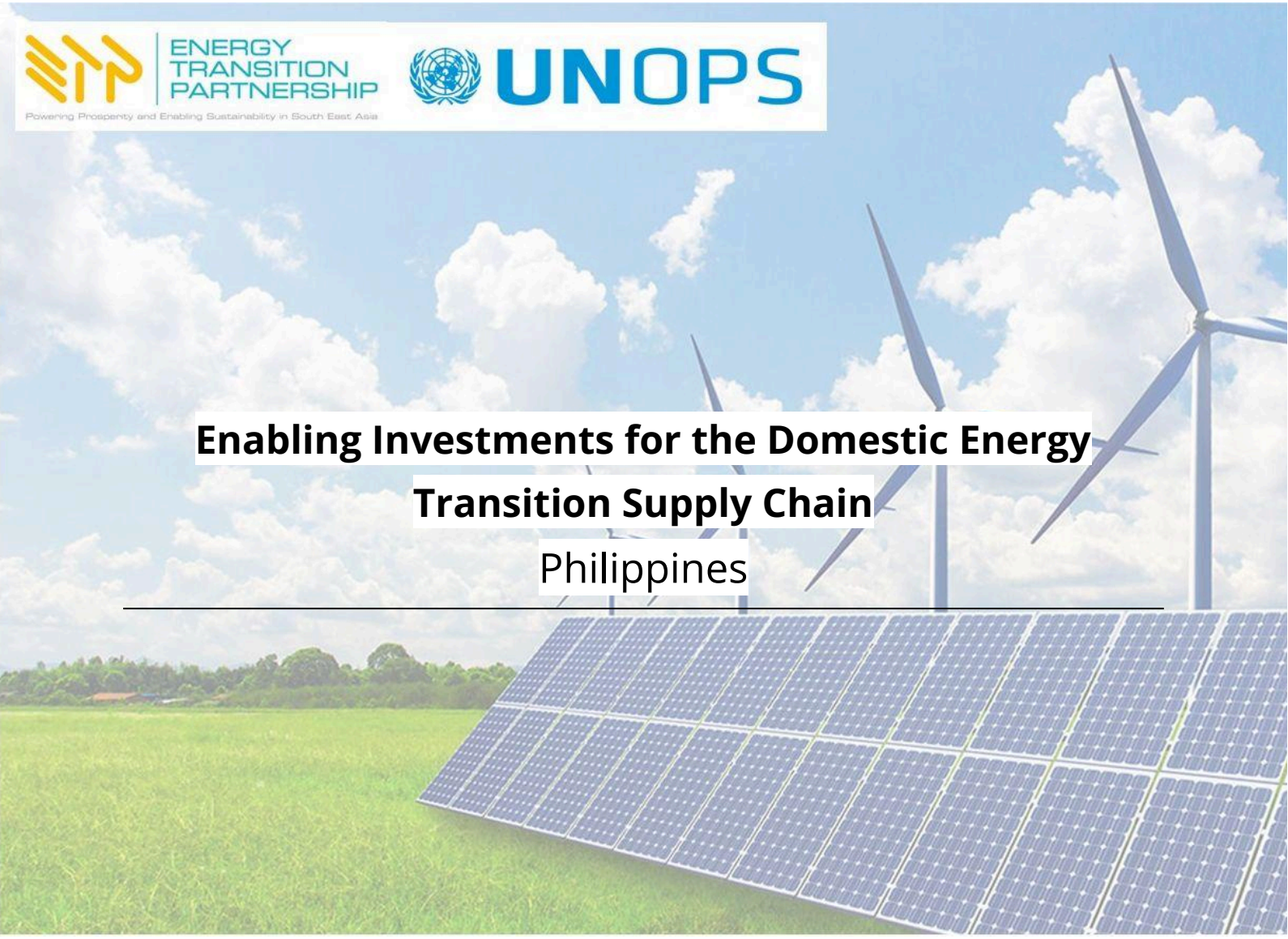
The Southeast Asian Energy Transition Partnership (ETP) is a multi-donor Forum that brings together government donors, philanthropies, and Southeast Asian governments to accelerate the energy transition in Southeast Asia.



Enabling Investments for the Domestic Energy Transition Supply Chain

Philippines

Terms of Reference | Aug 5, 2024

This initiative will play a vital role in advancing the domestic supply chain of energy transition technologies, such as battery energy storage, solar and wind technologies, and the power grid. The implementation of this technical assistance involves rigorous analyses and assessments, covering economic impacts, cost-benefit analyses, and investment planning based on the domestic supply and demand for energy transition resources, with a focus on exploring opportunities and assessing challenges for informed decision-making. This project will be implemented in collaboration with the DTI Board of Investments.

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I. Introduction

1 The Southeast Asia Energy Transition Partnership (ETP) brings together governments and philanthropies to work with partner countries in the region and in managed by the United Nations Office for Project Services (UNOPS). ETP supports the transition towards modern energy systems that can simultaneously ensure economic growth, energy security, and environmental sustainability. To contribute to the achievement of the UN's Sustainable Development Goals (SDGs) and the Paris Climate Agreement objectives, ETP works in Southeast Asia, with a focus on three priority countries, namely Indonesia, the Philippines, and Vietnam. ETP's strategy is built around four interrelated pillars of strategic engagement that are squarely aligned to address the barriers to energy transition. These are (i) policy alignment with climate commitments, (ii) de-risking energy efficiency and renewable energy investments, (iii) extending smart grids and (iv) knowledge and awareness building.

II. Summary

2 This project plays a vital role in enabling the domestic supply chain of relevant energy transition technologies and its intermediary raw materials, specifically for batteries, electric vehicles, solar and wind technologies, and the power grid. By delivering a Cost-Benefit Analysis and Investment Planning on the midstream and downstream processing and manufacturing of energy transition technologies from copper, cobalt, chromium, and nickel, these will guide strategic decisions to enable investments in sustainable energy systems.

3 The project will help define the domestic supply chain of the relevant energy transition technologies. It will involve rigorous analyses such as an economic impact assessment to identify the costs and benefits, in establishing the domestic processing of relevant energy transition minerals, metals, and technologies in the Philippines, with the primary goal of attaining the country's clean energy scenario targets and smart grid vision vis-a-vis its sustainable economic development. Subsequently, investment planning will be conducted for the economically viable investment option/s.

4 All project activities will be closely coordinated with the Department of Trade and Industry's Board of Investments (DTI-BOI) and stakeholder consultations will be held as an integral part of the work.

III. Project Details

A. Rationale

5 The energy transition will require investments to shift to clean and sustainable energy systems. On the supply side, the deployment of new power generation sources from solar, wind, and the use of battery energy storage systems (BESS) is anticipated. As of September 2023, the awarded service contracts for solar and wind projects have a combined potential capacity of 107.3 GW.

The committed projects on battery energy storage have a rated capacity of 2 GW. Similarly, transmission and distribution network build outs will be necessary for a smart infrastructure that will allow for operations to balance the grid system.

6 The Department of Energy (DOE) in its latest 2023-2050 Philippine Energy Plan, cited the rationalisation of policies that support the processing of critical minerals needed for low-carbon energy technologies as a priority area under its core energy diplomacy approach. Similarly, the BOI green metal initiative recognizes the critical role of minerals in the energy transition[1] because of their use as raw material for renewable energy technologies, electric vehicles, and energy storage systems.

7 On energy end-use, the Philippines posed an equivalent energy consumption of 35.9 MTOE in 2022, with the transport sector being the highest energy consumer having a 34.4% share.[2] Republic Act No. 11285 or the Energy Efficiency and Conservation Act was enacted in 2019, which calls for the efficient and judicious utilization of energy resources. Related to this, the Philippines enacted Republic Act No. 11697 in 2022 for the development of the country's electric vehicle (EV) industry and energy security and independence. There is a target of 10% EV in the road transport fleet by 2040. In the same year, the President signed Memorandum No. 61 approving the 2022 Strategic Investment Priority Plan (SIPP), and it includes EV parts manufacturing and assembly as a priority investment area. Renewable energy, energy efficiency and conservation projects, energy storage technologies, and industrial value chain gaps are also priority investments under the 2022 SIPP. Table 1 summarizes some of the priority investments of the government related to the energy transition.

Table 1. Selected 2022 SIPP Priority Investment Areas[3]

2022 SIPP Priority Investments	Detail

Tier I	• Special Law – Renewable Energy Act of 2008 (RA 9513)
	  ○ RE facilities, including hybrid systems, developers
	  ○ Locally-produced RE equipment and components manufacturing, fabrication, and supplier
	• Special Law – Energy Efficiency and Conservation Act (RA 11285)

Tier II	Green ecosystems

[1] The World Bank Group foresees that there will be a 500% increase in production of minerals and metals by 2050, equivalent to over three billion tons.
https://www.worldbank.org/en/topic/extractiveindustries/brief/climate-smart-mining-minerals-for-climate-action
[2] 2023 - 2050 Philippine Energy Plan. DOE.
[3] https://boi.gov.ph/strategic-investment-priority-plan/

2022 SIPP Priority Investments	Detail
	• EV assembly • EV parts manufacturing • establishment and operations of EV infrastructure • energy efficiency maritime vessels and equipment • electronic devices and circuits for smart grids and renewables • renewable energy projects • energy efficiency and conservation projects • energy storage technologies • bioplastics and biopolymers • integrated waste management, recycling, and disposal Industrial value chain gaps *Interventions that will address value chain gaps in* • green metals processing (copper, cobalt, nickel) • steel • textiles • chemicals • refining • lab-scale water fabrication

8 Fiscal and non-fiscal incentives have been set up to support the 2022 SIPP (see Table 1). This is provided under the Corporate Recovery and Tax Incentives for Enterprises (CREATE) Act, which includes lower income tax rates and rationalized fiscal incentives.

9 The Philippine Development Plan 2023-2028, Chapters 6[4] and 15[5] highlight the need to support industries that produce or use renewable energy and electric vehicle technologies and components (e.g., energy storage solutions) to aid in the clean energy transition.

10 While sectoral clean energy targets have been set and several issuances have been released, there remains an underinvestment in the domestic industry development when the energy transition is presenting an opportunity. The International Energy Agency (2021) anticipates that the energy transition will require a shift from a fuel-intensive industry to a material-intensive

[4] Chapter 6: Revitalize Industry https://pdp.neda.gov.ph/wp-content/uploads/2023/07/Chapter-06.pdf
[5] Chapter 15: Accelerate Climate Action and Strengthen Disaster Resilience https://pdp.neda.gov.ph/wp-content/uploads/2023/07/Chapter-15.pdf

energy system[6]. For the BOI, they require definitive information of the country's domestic energy transition supply chain. Moreover, for them to support the government's priority programs within their mandate, there needs to be analyses on how energy transition investments from local resources can be leveraged to boost economic growth while supporting environmental and social preservation and management.

B. Impact

11 The project's overall impact is to increase investments and green jobs in low-carbon industries, which in effect reduces greenhouse gas emissions, contributing to the Paris climate goal. The project will also enable increased deployment of renewable energy and energy efficiency.

C. Objective, Outcomes, and Outputs

12 The overall objective of this project is to define the Philippines' supply chain for energy transition technologies and to develop an investment plan framework for the economically viable investment options. The critical role of green metals and minerals has now become imperative to the energy transition as they are input materials for clean energy technologies.

13 The expected outcome of this project is to enable investments in the domestic supply chain of energy transition technologies, BESS, solar and wind technologies, and grid upgrades in support of the Philippines' energy transition.

14 The primary outputs of this project are

a. One Report on Cost-Benefit Analysis of the domestic supply chain of energy transition technologies
b. One Report on Investment Plan for the Domestic Energy Transition Supply Chain Development
c. Investment Forums

D. Sustainability and Gender Mainstreaming

15 ETP is committed to promoting and supporting gender mainstreaming in its project implementation. The technical assistance shall be inclusive of the invited stakeholders during the consultation and seek a balanced representation of women. The implementing partner should identify the implications, its outputs, and contributions to gender equality in the project activities. This task shall be accomplished through a clear methodology and approach.

IV. Project Deliverables

16 In line with the outputs and outcomes expected from this project (see Project Details), this section provides additional information on specific deliverables that will be required to accomplish the above project outputs.

[6] The Role of Critical Minerals in Clean Energy Transition: The State of Play. 2021. https://www.iea.org/reports/the-role-of-critical-minerals-in-clean-energy-transitions/the-state-of-play

17 Table 2 outlines the key deliverables that are expected in this project. Additional details on associated activities for each deliverable follow Table 2.

Table 2. Key deliverables

Milestone	Deliverables	Target Delivery	Payment Allocation
1	Inception Report	Month 1	20%
2	Interim Report on Analysis of the Domestic Energy Transition Supply Chain and one TWG meeting	Month 3	20%
3	Report on Cost-Benefit Analysis and pre-event for investment forum*	Month 5	20%
4	Report on Energy Transition Investment Opportunities, one TWG meeting, and Investment Planning Workshop	Month 7	20%
5	Final Completion Report and Investment Forum	Month 8	20%
6	Non-personnel reimbursable costs: Some of the above deliverables (*) contain logistic organization of events.	As per the deliverables' deadlines	Based on actual expenses
Contract Monitoring Requirement: - Monthly Progress report - Quarterly RBMF data update		Submission in the ETP's provided template	

Deliverable 1: Inception Report

18 The Consultant shall prepare the project Inception Report based on the agreed timeline of implementation, methodology, and any other agreements made during the kick-off meeting. As a deliverable, the Inception Report ensures that project expectations are aligned with the understanding of the Consultant. It shall contain, as a minimum:

a. Introduction and project background
b. Scope of Services
c. Methodology and Workplan, including approach, methodology, and project Gantt chart. The approach shall detail how each deliverable will be met and what each submission will contain, including an Annotated Outline for the main deliverables. The methodology covers the conduct of the Technical Working Group (TWG) meetings. See No. 19 for information about the TWG.
d. Stakeholder Analysis, which includes audience mapping, analysis, and communication/ outreach plan.

e. Gender equality and social inclusion, which details how the project implementation will account for gender equality and social inclusion
f. A Donor Coordination Strategy, explaining how this project's outputs will leverage and complement ongoing and planned projects from other development partners on critical minerals and green metals
g. Project Management inclusive of organizational chart detailing key personnel, their roles and responsibilities, as well as their locations (strong in-country team and project management is required), and project quality assurance
h. Risk assessment with the mitigation actions and assumptions
i. Monitoring and Evaluation Framework, presented in the form of the ETP Results Based Monitoring Framework (RBMF)
j. Communications Plan,[7] identifying the suitable media channels for communicating the project and the rationale for choosing them as described in Table 3.

Table 3. Project Communication Requirements

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. The articles must be impactful and engaging, and capture key project activities and impact. Each article must be submitted with a minimum of 3 high-quality photos/graphics.	**1** upon project completion
4	**Project wrap-up presentation**	**1** upon project completion

[7] The consultant is requested to deliver the communications activities as per the requirement in Table 3. The bidders should propose the non-personnel budget in their finanancial proposal if there are cost implications to produce the communication materials required.

No.	Communications Items	Quantity
	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.	
5	**Database of project photographs from events/activities**	**10-15** high-quality images per workshop/event/activity, inclusive of 'action shots' capturing key speeches, activities and participant engagement

19 A project technical working group (TWG) shall be convened for a consultative approach to the process. The members of the TWG shall be identified and finalized with the BOI. The TWG will provide practical guidance and recommendations for the project's deliverables. The Consultant is expected to act as the TWG Secretariat and assist the BOI in convening the members. All official documents, presentations, and other materials resulting from the TWG meetings must officially be submitted to ETP and BOI. As TWG Secretariat, the Consultant is responsible for handling all logistical arrangements, coordinating with the BOI on the schedule, providing inputs to both the agenda and minutes, drafting meeting invitation, and preparing presentation materials directly related to the project for discussion with the TWG. For more details, refer to Deliverable 2 and Deliverable 4.

Deliverable 2: Domestic Energy Transition Supply Chain Analysis

20 The Consultant will commence the study immediately after project inception by defining the domestic energy transition supply chain framework covering the midstream processing of copper, cobalt, chromium, and nickel, and subsequently, the downstream manufacturing of batteries, EVs, solar and wind technologies, and power cables. At the minimum, the Consultant must be able to define and present an analysis of the key components of a supply chain framework such as supply and demand, suppliers, producers, distributors, retailers, and customers. The flow of materials, information, and finance shall also be presented. The Consultant is expected to have all tools, in their existing capacity, readily available to conduct all related analyses and modelling.

21 The results of the supply chain analysis are expected to be inputs to the subsequent analyses for Deliverables 3 and 4 in this project.

22 The first TWG meeting[8] shall be scheduled before the submission of this deliverable. The Consultant shall support in organizing the TWG meeting and must submit a post-TWG

[8] The bidders must include all associated non-personnel costs for logistical arrangement of the meetings in the financial proposal. This will be paid as a lump sum with deliverable 2 and will be on a prorated basis.

summary, including records of attendees, photos, presentation materials, Meeting Minutes, and an updated RBMF. The requirement for logistical arrangement details are as follows:

a. Half-day event for 15 offline participants
b. Meeting venue a conference room (hotel venue up to 4-star or equivalent) in Metro Manila, inclusive of one coffee and tea break and lunch

Deliverable 3: Cost-Benefit Analysis and Economics Impact Assessment

23 The Consultant shall conduct an economic impact analysis of the costs and benefits following the supply chain definition. The cost-benefit analysis (CBA) shall cover the following:

a. Domestic midstream processing of copper, cobalt, chromium, and nickel for added value[9]
b. Domestic downstream manufacturing of batteries, EVs, solar and wind technologies, and power cables from pre-processed copper, cobalt, chromium, and nickel[10]

24 In accounting for the costs and benefits, considerations for the Environmental, Social, and Governance framework must be included. The CBA will be aligned with the BOI's methodology of conducting economic CBA and fiscal CBA.

25 The Consultant shall discuss its approach and methodology in conducting the economic impact assessments and CBA in the technical proposal. At the minimum, it should propose economic indicators that must be considered, data collection processes, modelling and analysis tools, sensitivity analysis, and valuation of key results. Ultimately, this deliverable must be able to provide valuable insights into the potential consequences of economic activities to help both the government and private sector investors make informed decisions. All analysis requirements shall be agreed upon and finalized with the BOI. The Consultant is expected to have all tools, in their existing capacity, readily available to conduct all related analyses and modelling.

26 A rollout[11] of the Investment Forum will be organized during this deliverable period which must be held before the end of 2024. The rollout event serves as a pre-event to the wider Investment Forum under Deliverable 5. The consultant is expected to provide inputs to the event's agenda that is directly related to the project, support in developing related presentation material based on the current outputs of the project and develop a record of the event through an Activity Report detailing the key discussions, key results, attendees, and photo documentation. The Consultant must handle all logistical arrangements following the details below:

a. Half-day event for 50 offline participants (including government stakeholders, private sectors, the consultant's team and ETP team)

[9] The Consultant must leverage relevant information from existing roadmaps and studies endorsed by the Government related to critical minerals such as for Copper and Nickel.
[10] The Consultant must leverage relevant information from existing roadmaps and studies endorsed by the Government i.e. EVIDA.
[11] The bidders must include a ceiling budget for all associated non-personnel costs for logistical arrangement of the meetings in the financial proposal. The payment for this pre-event investment forum will be paid on a reimbursable basis.

b. Meeting venue/conference room in a hotel up to 4-star or equivalent, in Metro Manila, inclusive of one coffee and tea break and lunch

Deliverable 4: Identification of Investment Opportunities

27 From the CBA, the Consultant shall conduct a systematic investment planning exercise to determine the financial requirements, risk tolerance, and strategies to undertake viable economic activities. The results of this exercise should provide valuable information that benefits both the BOI and the potential investors. The deliverable shall be a comprehensive document that will provide important information to the BOI's development of an Investment Memorandum, and an executive summary in the form of an Investment Offer shall be developed.

28 The Consultant shall plan and organize an investment planning workshop[12] with the BOI. The purpose of the event is to capacitate the BOI on the process to be employed in developing the investment plan and drafting it together with them. A post-workshop report must be submitted. The Consultant must handle all logistical arrangements following the details below:

a. Two full-day workshops for 25 offline participants
b. Meeting venue/conference room in a hotel up to 4-star or equivalent, in Metro Manila, inclusive of coffee and tea breaks and lunch

29 The second TWG meeting[13] shall be scheduled before the submission of this deliverable. The Consultant handles the TWG meeting organization and must submit a post-TWG summary, including attendance records, photos, presentation materials, Meeting Minutes, and an updated results-based monitoring framework (RBMF). The requirements for logistical arrangement details are as follows:

a. Half-day event for 15 offline participants
b. Meeting venue/conference room (hotel venue up to 4-star or equivalent) in Metro Manila, inclusive of one coffee and tea break and lunch

Deliverable 5: Final Completion Report and Investment Forum

30 The Final Completion Report consolidates all activities undertaken in the project and acts as a stand-alone document aimed at a general readership. It provides a succinct overview and analysis of Deliverables 2, 3, and 4, presents key takeaways and lessons learned resulting from the work, and conclusions and recommendations analysis of what could be further done for the sector. The report will be professionally presented with the use of desk-top publishing software.

31 An Investment Forum shall be organized as part of the technical assistance project, with the primary aim of presenting the key provisions of the final project output and bringing together government stakeholders, investors, and businesses. The format and theme shall be agreed upon with both the BOI and ETP. The documentation of the event shall be part of the Monthly Report and an Annex to the Final Completion Report, and will require attendance records,

[12] The bidders must include all associated non-personnel costs for logistical arrangement of the meetings in the financial proposal. They payment for the investment planning workshop will be paid as lumpsum with Deliverable 4 and will be on pro-rated basis.

[13] The bidders must include all associated non-personnel costs for logistical arrangement of the meetings in the financial proposal. This will be paid as a lump sum with Deliverable 4 and will be on pro-rated basis.

photos, presentation materials, meeting minutes, and an updated RBMF. The Consultant shall handle all logistical arrangements following the details below:

a. Half-day event for 60 offline participants
b. Meeting venue to be held in a conference room (hotel up to 4-star or equivalent) in Metro Manila with a provision of equipment for virtual participation
c. Meeting package must include one coffee and tea break and lunch meal

Contract Monitoring Requirement

32 In addition to the listed deliverables, the Consultant is required to submit monthly progress reports and update the RBMF data on a quarterly basis. Failure to do so may result in the payments being withheld.

33 The monthly progress report includes a concise narrative (in short bullet points) of the completed activities contributing towards the milestones and the indicative next steps. It serves as the monitoring report between the consultant and ETP.

34 The monthly progress report includes the following standard items:
   a. General progress update
   b. Updated Gantt chart
   c. Risk identification and mitigation
   d. Communications activities and materials

35 The final monthly progress report will include the above items and the following:
   a. Summary of lessons learned from the project implementation
   b. Recommendations on potential next steps to build on this project

36 On a quarterly basis, the consultant is required to provide the updated results against the Results Based Monitoring Framework (RBMF) in a provided template. The data must be gender-disaggregated, where applicable.

Other key information:

- A public-facing, publishable Executive Summary (approximately 2 pages maximum) in professional English must be submitted with each deliverable.
- A public-facing, PowerPoint presentation highlighting key information must be submitted with each deliverable.
- All project deliverables and presentations must be submitted in English.
- All deliverables are subject to review by ETP, and beneficiary entity(ies) where applicable, before approval. If there are comments and suggestions, the deliverables need to be revised accordingly, before payment is released.

- The Consultant is required to update the results and achievements of the project per the agreed project-level RBMF, as per the provided template. All results, where applicable, must be gender disaggregated.
- The Consultant is required to organize and execute all aspects of knowledge management events, including organization and logistics.
- The Consultant shall consider and highlight specific gender considerations in their proposal.
- The Consultant must be available to attend one (1) in-person workshop with the ETP secretariat in the region. The costs for this will be covered outside the financial scope of this proposal.
- The Consultant, or an active organization within the applying consortium, shall have an in-country, local partner fully operating in the Philippines through the project timeline.
- All events shall comply with the personal data protection and privacy principles of the United Nations.[14] The Consultant must provide a detailed explanation of data handling throughout the project period, including gathering, processing, and transfers.

V. Project Timeline

37 The project will require 8 months. The actual project timeline will be presented by the Consultant and agreed upon in the Inception Report.

Table 4. Indicative project timeline

No.	Activities	1	2	3	4	5	6	7	8
1	Project inception phase								
2	First TWG meeting								
	Defining and developing the domestic supply chain								
3	Investment Forum Rollout								
	Economic impacts assessment and CBA								
4	Investment planning workshop with the BOI								
	Second TWG meeting								
	Analysis for Investment Opportunities								

[14] For the full details of the principles, please refer to the UN Principles on Personal Data Protection and Privacy 2018 (Link).

No.	Activities	1	2	3	4	5	6	7	8
5	Conduct of the Investment Forum and submission of Final Completion Report								

VI. Key Beneficiaries

38 The key beneficiaries of this project are provided in Table 5.

Table 5. List of beneficiaries of this project

Beneficiary	Benefit	Explanation
Department of Trade and Industry - Board of Investments	Direct	The BOI will be the primary end-users of the outputs delivered by the project. In addition, a Forum will be co-organized with the DTI-BOI.

VII. Donor Mapping

39 A donor mapping was conducted to prevent duplication of efforts between ETP and other development partners in the same areas, as well as to identify areas where ETP could provide support for energy transition that had not yet been addressed. See Table 6 below.

Table 6. Donor Mapping

Name of Organization	Topic and Detailed Activity
USAID's Partner on Critical Minerals	*2023 - ongoing* USAID will invest an additional $5 million to support increased production of processed minerals and expand downstream mineral industries in the Philippines, such as production of electric vehicle components and ICT equipment, while improving governance standards in the mining industry, subject to Congressional approval.
USTDA's Critical Minerals Processing Project in the Philippines	*2022 - present* The USTDA provided a grant to Eramen Minerals, Inc. to conduct feasibility study to advance the development of an environmentally sustainable nickel processing facility in the Philippines. This project will advance the clean energy transition by producing critical minerals that are key elements in the supply chain for batteries and energy storage systems.
International Copper Alliance (ICA)	The ICA completed the development of a Copper Industry Development Roadmap together with the Philippines DTI-BOI. Currently, ICA is looking for partners to implement the activities identified in the Cu Roadmap.

VIII. Results-Based Monitoring Framework

40 The project results are monitored through the framework shown in Table 7. All reports will update the achievement of the indicators.

Table 7. Project Results-Based Monitoring Framework

Indicators	Targets
IN 2.2-01 - No. of new and existing, national and international, financing options / instruments de-risked and opened for private and blended financing	1 report on Investment Opportunities for the Domestic Energy Transition Supply Chain Development
IN 4.1-01 – No. of studies, research, new evidence gathered and published, for raising awareness, improving knowledge base, driving decisions, and dissemination	• 1 report on Cost-Benefit Analysis for the localized supply chain of energy transition technologies • 1 Final report on key recommendations for the energy transition supply chain
IN 4.1-02 - No. of trainings, knowledge sharing events, and/or awareness workshops organised at national and regional levels building institutional capacity and knowledge networks	• 1 Capacity Building Workshop with BOI • 2 Forums with Industry Stakeholders and Government Agencies
IN 4.1-02 A - Total no. of attendees	135

Indicators	Targets
IN 4.1-02 B - Total no. of female attendees	minimum 35% of workshop participants are women
IN 4.1-04 - Total no. of entities supported through Technical Assistance	1 DTI-BOI

41 The results are reported with additional supporting information and evidence where applicable and necessary.

IX. Qualification and experience of the service provider and evaluation criteria

A. Qualification and Experience of the Service Provider

42 The consultant's project team should demonstrate the capacity to execute the work and should include all essential roles filled with personnel with relevant experience. CV's of the personnel proposed should be used to verify this information.

43 The following are the **minimum positions** that should be included on the team. Bidders should make an assessment of the additional positions needed (if any) to complete the assignment as per the Terms of Reference:

a. 1 Industry Expert/ Team Lead
b. 1 Economist
c. 1 Sustainability Expert

44 Considering the importance of close coordination with stakeholders in the Philippines , it is expected that the team proposed consists of consultant(s) who understand the local context in the Philippines.

45 The bidder should also assign a Contract Manager who would liaise on the non-technical part of the contract implementation, including coordination, liaising with key counterparts, liaising with UNOPS on the submission of invoice and payment-related documents.

B. Evaluation Criteria

Eligibility and Formal Criteria

46 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. In case of JV, all JV members should fulfill this requirement	• 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
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	• 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: Contract Forms	• Form B: Proposal Submission Form

Qualification Criteria

47 The criteria contained in the table below will be evaluated on a 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 TWO (02) years of continuous experience in delivering similar projects in the past with a track record of success. In the case of JV, at least one of the JV members should fulfill this criteria	• Certification of incorporation of the Offeror • Form F: Performance Statement Form
2. Offeror must provide a minimum of two (02) customer references from which similar services have been successfully provided, within any of the last two (02) years. In the case of JV, the customer references of JV members can be combined	• Form F: Performance Statement Form

Criteria	Documents to establish compliance with the criteria
3. Financial Capacity/financial stability: Bidder should have a minimum annual turnover of 100,000 USD in any of the past 2 years. In case of JV, the annual turnover would be calculated from the total annual turnover of the JV members The bidder has sufficient liquidity, demonstrated by the ratio of "average current assets / current liabilities" over the last [two (2)] years which must be equal to or greater than one (1) or the bidder has access to a line of credit or bank overdraft or other financial means to meet a working capital/cash flow requirement of USD 100,000 (should the bidder be selected). In case of JV, at least one of the JV members should fulfil this requirement In the case of a JV, an audited financial statement/ financial statement verified by a chartered accountant/ Tax declaration statement of JV members to the local government, or any similar documents accepted to the local authorities should be submitted	The bidder should submit an audited financial statement/ financial statement verified by a chartered accountant/ Tax declaration statement to the local government, or any similar documents accepted to the local authorities

Technical Criteria (70 maximum points)

48 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 70. To be technically compliant, Bidders must obtain a minimum of 49 points

b. Minimum pass score: 70% of maximum 70 points = 49 points

49 Technical proposal points allocation

Section number/description		Points Obtainable
1.	Offeror's qualification, capacity, and expertise	20

Section number/description		Points Obtainable
2.	Proposed Methodology, Approach, and Implementation Plan	30
3.	Key Personnel Proposed and Sustainability Criteria	20
Total Technical Proposal Points		70

Section 1: Offeror's qualification, capacity, and expertise

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 the relevance of specialized knowledge and experience on similar engagements done in the past. International bidders partnering up with a Philippines-based entity and/or including a team of local experts to provide strategic consultation, coordination, and efficient implementation of activities is required. Bidders partnering up with a local entity to provide for the strategic consultations and communications expertise is required.	15	
	1. Experience in projects of comparable size, type, and complexity		4
	2. Experience in delivering projects with similar technical specialty		5
	3. Engaging a project team of local experts or partnering up with a Philippines-based entity for strategic consultations and coordination, and efficient implementation of activities, which will demonstrate an understanding of the Philippines' local context		6
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. In case of a JV and/or engagement with individual consultants, clear designation of roles and responsibilities between the JV members and individual consultants.		5
Total points for section		**20**	

Section 2: Proposed Methodology, Approach and Implementation Plan

Section 2: Proposed Methodology, Approach and Implementation Plan		Points	Sub-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	20	
	1. Description of the offeror's approach to identification of data sources, scenarios, issues for the deep-dive in the analysis		3
	2. Description of the Offeror's approach to the supply chain analysis		5
	3. Description of the Offeror's approach to the cost-benefit analysis		5
	4. Description of the Offeror's approach to the investment plan development		5
	5. Description of the offeror's approach to organizing the events and the Forums		2
2.2	Quality Assurance Plan	5	
	1. A plan outlining how the bidder intends to ensure oversight and quality assurance throughout the project implementation. Quality Assurance plan should include a discussion on risk assessment and its mitigation plan at the project level.		5
2.3	Implementation Timeline	5	
	1. 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 for section		**30**	

Section 3: Key personnel proposed and Sustainability Criteria

Section 3: Key personnel proposed and Sustainability Criteria		Points	sub-points
3.1	Qualifications of key personnel proposed aligned with the Terms of Reference	16	
	<u>Industry Expert</u> **Education:** • Master's Degree in Engineering, Management, Business, Energy, Chemistry. or related technical field is required.		6

Section 3: Key personnel proposed and Sustainability Criteria		Points	sub-points
	• Bachelor's Degree in Environmental Management, Engineering, Management, Chemistry or a related field plus two years professional experience in the same industry is considered equivalent. **Required Experience:** • A minimum of 5 years cumulative experience with the minerals and metals processing industry • A minimum of 5 years-equivalent experience in leading teams to deliver projects • Computer literacy in Google Suites and/or Microsoft packages (MS Word, MS Excel, MS Access, MS PowerPoint) • Language proficiency in English **Preferred Experience:** • Experience working with the DTI and relevant/ attached agencies, equivalent to at least two projects implemented • Knowledge of the energy transition from having implemented at least one related project		
	<u>Economist</u> **Education:** ● Master's degree in Economics, Business, Finance, or other relevant subjects. ● Bachelor's Degree in Economics, Business, Finance, or other relevant subjects plus two years professional experience in the same industry is considered equivalent. **Required Experience:** • A minimum of 5 years experience in economic analysis such as economic impacts and cost-benefit (CBA) • Demonstrated experience in the use of economic modelling and analysis tools **Preferred experience:** • Experience in the minerals and mining sector from at least two related projects • Knowledge of the energy transition from having implemented at least one related project		5
	<u>Sustainability Expert</u> **Education:** • Master's Degree in Environmental Management, Sustainable Development, Engineering, Management, Finance or related field is required.		5

Section 3: Key personnel proposed and Sustainability Criteria		Points	sub-points
	• Bachelor's Degree in Environmental Management, Engineering, Finance, or a related field plus two years professional ESG experience is considered equivalent. **Required Experience:** • A minimum of 2 years equivalent professional experience in developing ESG Frameworks • Demonstrated knowledge of ESG Frameworks and Standards i.e. GRI, SADB, and/or TCFD • Experience in ensuring sustainability for projects, with at least three projects as the Sustainability Expert **Preferred experience:** • Experience in the minerals industry, having implemented at least one project within the sector		
3.2	The bidder shall provide a response that demonstrates its commitment to support gender equality through its operations and project implementation activities.	4	
Total points for section		**20**	

Financial Criteria (30 maximum points)

50 The financial part of those proposals that are found to be technically compliant will be evaluated as follows.

a. The maximum number of points that a bidder may obtain for the Financial Proposal is 30.

b. 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 =

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

51 Financial proposals will be evaluated following the completion of the technical evaluation. The bidder with the lowest evaluated cost will be awarded (30) 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.

Formula for computing points: Example

Points = (A/B) Financial Points

Bidder A's price is the lowest at $20.00. Bidder A receives 30 points
Bidder B's price is $40.00. Bidder B receives ($20.00/$40.00) X 30 points = 15 points

52 The total score obtained in both Technical and Financial proposals will be the final score for the proposal, with 70% allocated to the Technical proposal and 30% to the Financial proposal. The proposal obtaining the overall highest score will be considered as the winning proposal. This proposal will be considered to be the most responsive to the needs of UNOPS in terms of value for money.

53 The selection of the preferred bidder will be based on a cumulative analysis, analysing all relevant costs, risks and benefits of each proposal throughout the whole life cycle of the services and in the context of the project as a whole. The lowest priced proposal will not necessarily be accepted.