

Technical Advisory Services for the Early Retirement of a Coal-Fired Power Plant



Terms of Reference

Transition to End Coal (TRANSEND):

Technical Advisory Services for the Early Retirement of a Coal-Fired Power Plant (CFPP)

This project aims to increase the flow of investment resources to renewable energy and reduce coal-fired power production, thus responding to ETP's strategic objective to de-risk investments for renewable energy.

It will facilitate the early retirement of fossil fuel-based power plants through innovative financial engineering with a pathway to channel capital to clean energy technologies and just socio-economic endeavors. It will lead to greenhouse gas (GHG) emission reductions and contribute to meeting the Paris climate goals while ensuring energy security through more investments in renewables. The project will take the case of one coal-fired power plant and will use the experience to establish mechanisms that will facilitate fossil fuel phaseout. The project leverages lessons from global experience with early coal-fired power production retirement.

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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. 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) expanding knowledge and awareness building.

II. Project Description

- 2 This project aims to facilitate the retirement of fossil fuel-based power plants through innovative financial engineering with a pathway to channel capital to clean energy technologies. It will lead to greenhouse gas (GHG) emission reductions and contribute to meeting the Paris Climate goals while ensuring energy security through more investments in renewables. The project will take the case of one coal-fired power plant and will use the experience to establish mechanisms that will facilitate fossil fuel phaseout. The project is part of component (i) of ETP's Transition to End Coal (TRANSEND) program. TRANSEND has three components: (i) identification of asset-based financial restructuring schemes that enable an early closure of a fossil-fueled power production asset at an acceptable rate of return to its owners in combination with a reinvestment pathway to renewable energy assets, (ii) setting up of a revolving financing arrangement available for donor and financiers' contributions to take financial engineering to a scale in Southeast Asia, and (iii) knowledge and dissemination. ETP will identify immediate cases and partnerships for component (i) and leverage that experience to implement components (ii) and (iii).

III. Project Details

A. Rationale

- 3 To meet the Paris Agreement targets, global coal use must reduce by 80% of 2010 levels by

2030, and phased out by 2040¹. While the cost of renewables has been falling and the economics of operating coal plants are increasingly becoming uncompetitive, global coal phaseout has been slow due in part to long-term offtake contracts and noncompetitive tariffs. The share of uncompetitive/inefficient coal power plants is expected to increase from 60% in 2022 to 75% in 2025, leading to higher tariffs and more adverse impacts on health and the environment².

- 4 Policy directions are shifting to renewables in ETP's countries - Indonesia, Philippines, and Vietnam. However, there is no clear path for fossil fuel phaseout in these three countries yet. An ADB report indicates significant opportunities for the early retirement of coal plants, with a total of 24.5 GW of coal plants (Table 1) shortlisted for early retirement, with a market value of USD 26.7 billion.

Table 1. Indicative CFPPs for early retirement

Country	Share in the total coal fleet (%)	Capacity (GW)	Market Value (USD billion)
Indonesia	36%	9.6	10.1
Philippines	54%	5.9	7
Vietnam	46%	9.6	9.6

Source: ADB. 2021. *Regional: Opportunities to Accelerate Coal to Clean Power Transition in Selected Southeast Asian Developing Member Countries*.

- 5 Though there appears to be a commitment to displace coal power generation, barriers exist in these countries to accelerate phaseout including a lack of legal frameworks, low tariffs, and regulatory prohibitions to transfer power purchase agreements, among others³. There are notable efforts to push for coal phaseout including ADB's Energy Transition Mechanism (ETM), EU's Just Transition Fund, the Coal Asset Transition Accelerator (CATA), the Just Energy Transition Partnership (JETP), and an increasing volume of sustainability-linked funds. While there is a drive to make transition finance and support available, there have been limited known deals closed in the region. The successful Energy Transition Mechanism-like

¹ Climate Analytics (2019). [Global and regional coal phase-out requirements of the Paris Agreement: Insights from the IPCC Special Report on 1.5°C](#)

²P. Bodnar, M. Gray, T. Grbusic, S. Herz, A. Lonsdale, S. Mardell, C. Ott, S. Sundaresan, and U. Varadarajan (2020). [How to Retire Early: Making Accelerated Coal Phaseout Feasible and Just](#), Rocky Mountain Institute

³ ADB. 2021. [Regional: Opportunities to Accelerate Coal to Clean Power Transition in Selected Southeast Asian Developing Member Countries](#).

commercial deal closed by ACEN Corporation in 2022 is proof that financial restructuring for early decommissioning can work. Successful cases can encourage interest from other independent power producers to consider a transition deal.

- 6 This Terms of Reference (TOR) will support Component (i) of ETP's TRANSEND Coal program that will facilitate a fossil fuel transition transaction of a coal-fired power plant (CFPP) in the Philippines. This transaction will serve as a model and basis for developing a long-term support mechanism for more transition deals. ETP promotes an integrated approach of refinancing and reinvestment - refinancing for the coal plant's early retirement, and reinvesting the redeemed capital into more renewables (Figure 1). Figure 1 is the basic vision for an asset-based financial restructuring, it is acknowledged that these deals will be unique for every case. This two-pronged pathway will reduce GHG emissions, accelerate the deployment of more renewables, and support energy self-sufficiency.

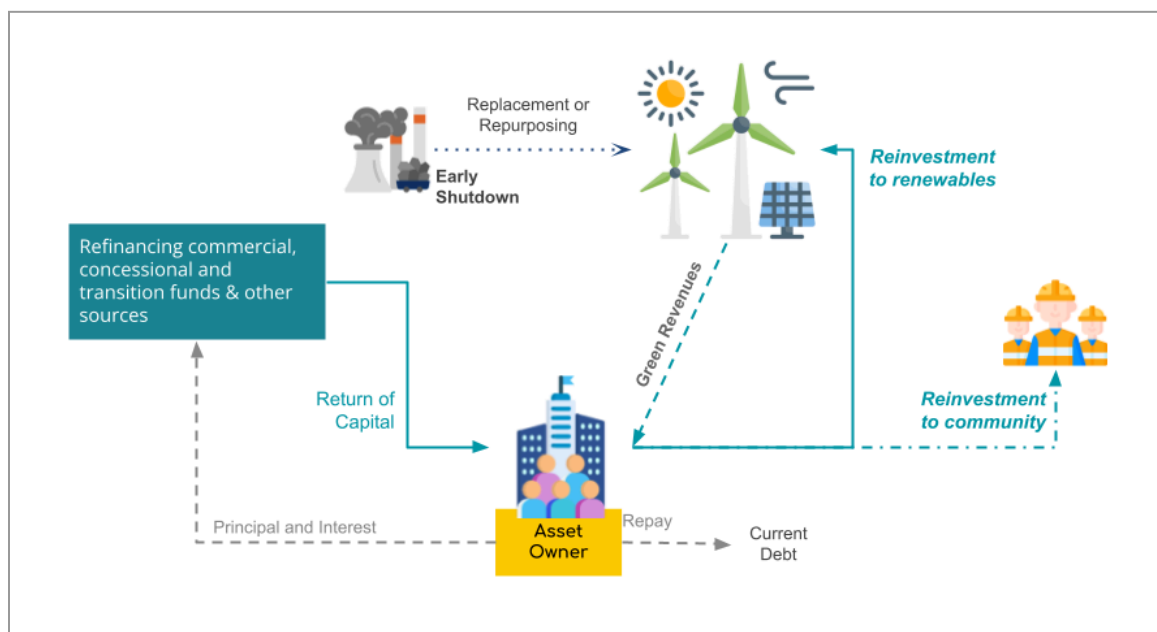


Figure 1. Refinancing and reinvestment to renewables approach to early retirement

- 7 The execution of the transition deal will be undertaken by three teams - technical experts, financial advisors, and energy legal and regulatory specialists. This TOR is intended for the technical experts who will support in identifying and analyzing decommissioning options for the CFPP. The technical team will support the other two teams.

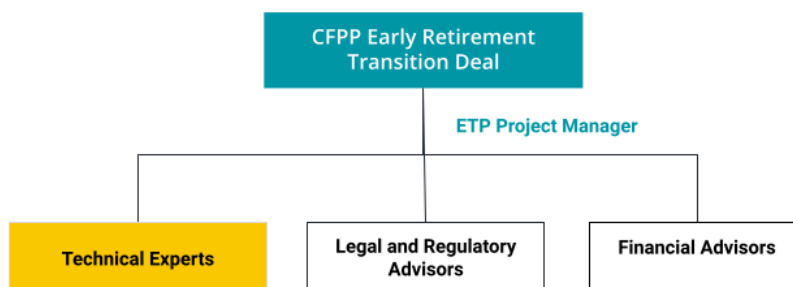


Figure 2. Implementation teams

B. Impact

- 8 This assignment contributes to mitigating GHG emissions from CFPPs and supports increasing confidence in energy transition transactions to facilitate displacing coal plants with renewables, throughout the region.

C. Objectives

- 9 This assignment contributes to the broader objective of facilitating a transition transaction that can be a model for replication of the early retirement of fossil fuel-based power plants, to contribute to accelerating the energy transition in the region.
- 10 The services aim to support determining the fair asset value of the candidate CFPP in the Philippines and analyze technically-viable options for decommissioning, replacing, or repurposing the CFPP. It intends to provide evidence for viable technical alternatives to a CFPP and strengthen the case for advanced plant decommissioning and support reinvestment decisions.
- 11 The project's expected outcome is increased confidence in early retirement deals that will facilitate coal phase-out while increasing renewable energy generation.

D. Sustainability and Gender Mainstreaming

- 12 ETP is committed to promoting and supporting gender mainstreaming in its project implementation. The Project 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

- 13 The activities described here are part of a larger set of activities that will lead to the early decommissioning of a CFPP and its replacement with renewable energy. Consultants working on the technical, legal, and regulatory aspects of the transaction will be working in parallel with the financial advisors. Information and details of the CFPP plant will be disclosed to the selected team. Bidders may propose their approach to delivering the expected outcomes of the project.
- 14 The implementation of the technical assistance will be undertaken by an individual or a team of consultants or the Implementing Partner (IP) that must maintain regular project coordination with ETP, who will have oversight of the project. In addition to the team of experts, the IP must identify a contract manager who will be focal for all administrative aspects of implementing the project. General information on the CFPP are found below:

Location	Visayas, Philippines
Capacity	<150MW
Unit/s	1
Technology	Circulating Fluidized Bed Combustion

- 15 Data gathering will be the team's responsibility. The team needs to conduct fieldwork, and/or consultations with relevant stakeholders to gather information and strengthen their analyses.
- 16 Key experts are expected to execute activities in the Philippines. Domestic travel (Visayas region) within the Philippines is also expected.
- 17 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.

- 18 Bidders must be prepared to sign a Non-Disclosure Agreement with the CFPP owner to cover data and information sharing concerns.
- 19 This project is expected to be delivered in 8 months, with an additional 6 months for providing ad-hoc support to ETP and the CFPP asset owner. Bidders are encouraged to propose their own timeline and resourcing plan based on the expected project outputs and scope.
- 20 The project milestones are defined below in Table 1 with the expected key deliverables and payment timeline.

Table 2. Key deliverables

Milestone	Expected Deliverables	Target delivery and payment date	% of payment
1	Deliverable 1: Inception Report	Month 1	10%
2	Deliverable 2a: Technical Assessment Report of the CFPP Deliverable 2b: Public-facing document on Technical Assessment Case Study	Month 4	50%
3	Deliverable 3a: Report on Transition Options for the CFPP Deliverable 3b: Public-facing document on Transition Options	Month 8	40%
4	Deliverable 4: Ad-hoc Advisory Support A summary report of the advisory services provided after the 6-month period.	Month 14	Reimbursable
Contract Monitoring Requirement	Monthly Progress Report In addition to the listed deliverables above, the consultant will need to provide monthly progress reports in a provided template. Failure to submit this	Monthly	N/A

	report will result in the payments being withheld.		
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- 21 **Deliverable 1: Inception Report.** The consultants must develop and submit a detailed inception report detailing the plan, ensuring the expectations of ETP are aligned with the understanding of the project from the consultant. The inception report should contain, as a minimum:
- Introduction and project background
 - Scope of services
 - Methodology and workplan, including approach, methodology and project Gantt chart
 - A detailed approach as to how each deliverable will be met and what each submission will contain
 - Risks, mitigations, and assumptions
 - Monitoring and Evaluation Framework, presented in the form of the ETP Results Based Monitoring Framework (RBMF)
- 22 **Deliverable 2a: Technical assessment report of the CFPP:** Assess the technical merits of the CFPP, and support in analyzing the fair value of the CFPP asset. This will entail site visits to the plant (Visayas region, Philippines), consultation with the CFPP plant owner and operator, analysis of performance records, and others. Bidders must propose their methodology for the technical assessment of the plant in their proposal.
- A minimum of three (3) trips to the coal plant in the Visayas region are expected to conduct ocular inspections, consultations with engineers, and other activities. Bidders must include the cost of three (3) trips to the Visayas region in their financial proposal.
- 23 **Deliverable 2b: Public-facing document on Technical Assessment Case Study.** This deliverable is a public-facing document intended to share lessons learned. It should include a general overview of the assessment methodology used without disclosing confidential information. Explain how the methodology was adapted to consider the context of coal phaseout or refinancing. Discuss takeaways from the process that can be applied to similar situations.
- 24 **Deliverable 3a: Report on Transition Options for the CFPP:** The assignment will explore and identify economically attractive and technically viable transition options that are aligned with the CFPP asset owner's plans and the energy transition objective. This output will be confidential. The options could either be decommissioning, repurposing, or replacement

alternatives for the CFPP. Analyzing renewable energy alternatives is a priority to replace power generation from the CFPP. The focus will be on options for the CFPP that may be undertaken by the current owner or the eventual asset owner after the reinvestment.

- 25 Bidders must propose the methodology and criteria for analyses and prioritization of the transition options in their technical proposal.
- 26 The resale of the asset to continue its operation as a coal-based power generator must not be considered as an option.
- 27 Tasks will include those listed below. Bidders may propose additional activities that will lead to the expected outcomes.
 - a. Recommend methodologies or tools for analyzing and prioritizing options, such as the Marginal Abatement Cost Curve (MACC)⁴. Bidders may propose to develop their tools and models. All tools and models developed under this project will be turned over to ETP.
 - b. Identify transition options for the CFPP when it is retired. Evaluate the technical and economic viability of the different transition options. At a minimum, the analyses should cover technical and economic considerations but may be expanded to include social, environmental, and other factors.
 - c. Develop the criteria for ranking the transition alternatives. Present the results and discuss them with the CFPP - owner to prioritize the options. Other factors may influence the decision, such as legal and regulatory limitations. The technical team will be able to consult with the financial advisors and legal experts (Figure 2) under this project.
- 28 **Deliverable 3b: A public-facing report on transition options.** This deliverable will be a public-facing document to equip CFPP owners with information on clean energy opportunities following an early decommissioning decision. The document should leverage the insights and findings from Deliverable 3a. In addition to transition options, It should provide methodologies for ranking and prioritizing these options to support a strategic shift. Lessons learned from the experience should be incorporated.
- 29 **Deliverable 4: Advisory Support.** Provide additional ad hoc (after the delivery of the above activities) consultancy, advice, and guidance to the asset owner, and the legal and financial teams who will be working on refinancing the same CFPP. The estimated number of support days is 30 days spread over 6 months after the completion of Deliverables 1-3. The Lead Engineer is expected to deliver this Advisory Support. The consultant is expected to submit a

⁴ MACC sorts options based on costs and GHG emission reduction potential.

summary report of the advisory services provided after the 6-month period.

30 Contract Monitoring Requirement: Monthly Progress Report

- a. In addition to the listed deliverables, the consultant is required to submit monthly progress reports. Failure to submit this report may result in the payments being withheld.
- b. 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.
- c. The monthly progress report includes the following standard items:
 - i. General progress update
 - ii. Updated Gantt chart
 - iii. Risk identification and mitigation
- d. The final monthly progress report will include the above items and the following:
 - i. Summary of lessons learned from the project implementation
 - ii. Recommendations on potential next steps to build on this project
- e. 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.
- f. The templates (Excel spreadsheet) for both the monthly progress report and RBMF will be shared at the project kick-off stage.

31 Other key information:

- a. Deliverables 1, 2a, 3a, 4, and monthly progress reports are confidential outputs, and would only be made available to ETP and CFPP-owner.
- b. Deliverables 2b and 3b are public-facing documents and should be prepared to publishable quality standards.
- c. All project deliverables and presentations (if appropriate) must be submitted in English.
- d. 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.

- e. The consultant is required to organize and execute all aspects of the workshops, consultations, and interviews (as necessary) including organization and logistics. (only with the coal plant owner)
- f. The consultant must consider and highlight specific gender considerations in their proposal.
- g. All outputs must reflect ETP's, its funders', and relevant partners' logos. Visibility guidelines will be provided.

V. Timeline for the Project

- 32 The project will require 14 months. The actual project timeline will be presented by the consultant and agreed upon in the Inception Report.

Table 3. Proposed timeline of the project's deliverables

Deliverables	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Inception Report														
2a. Technical Assessment Report of the CFPP														
2b. Public-facing document on Technical Assessment Case Study														
3a. Report on CFPP Transition Options for the CFPP														
3b. Public-facing document on Transition Options														
4. Additional Advisory Services														

VI. Donor Mapping

- 33 A donor mapping (Table 4) 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.

Table 4. Mapping of related initiatives

Organization Name	Description
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Asian Development Bank	Energy Transition Mechanism (ETM) <ul style="list-style-type: none"> - Finance retirement of coal power assets on an earlier schedule in pilot countries - First case: Cirebon Electric Power in Indonesia
Coal Asset Transition Accelerator (CATA) (philanthropy funded)	CATA <ul style="list-style-type: none"> - Aims to create a centre of expertise to support coal transition - Supports delivery of coal transition, including compensation, concessional finance, just transition, refinancing, and transition vehicles
Clean Investment Funds (CIF)	Accelerating Coal Transition (ACT) <ul style="list-style-type: none"> - A toolkit to tackle transition linked to national strategies, people, land, and infrastructure - Builds support at the local level to reconsider the development of new coal plants and accelerate retirement of existing coal assets - ACT countries: Dominican Republic, India, Indonesia, North Macedonia, Philippines, South Africa

- 34 The contractor is expected to identify and engage with other relevant stakeholders as part of this project.

VII. Results Based Monitoring Framework

- 35 The Results of the Project are monitored through the following Framework in Table 5. All reports will update the achievement of the indicators.
- 36 The results are reported with additional supporting information and evidence where applicable and necessary.

Table 5. Results Based Monitoring Framework Outline

IMPACT

- GHG emissions avoided or reduced - fossil fuel replaced by renewable energy - Long Term Goal by 2050
- Share of renewable energy increased in the total primary energy supply (TPEC)
- Additional renewable energy capacity

OUTCOME

Strategic Outcome 2. De-risking energy efficiency and renewable energy
Strategic Outcome 4. Knowledge and Awareness Building

OUTPUT

SO2.2. De-risked project finance is accessible via financial institutions generating a pipeline of large-scale renewable energy projects

SO4.1 Stakeholders (relevant Government entities, public sector companies, financial institutions, private entities, academia, and consumers) involved in the RE/EE value chain, are knowledgeable and better informed to advance the energy transition agenda.

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 Technical assessment report of a CFPP for early retirement/transition transaction
IN 4.1-01 No of studies, research, new evidence gathered and published, for raising awareness, improving knowledge base, driving decisions, and dissemination	1 public-facing case study on the technical assessment of CFPP for early retirement /transition transaction
	1 report on transition options for the CFPP
	1 public-facing study on transition options for CFPPs

VIII. Qualification and Experience of the Service Provider and Evaluation Criteria

A. Qualification and Experience of the Service Provider

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

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:

- Project Lead/Lead Engineer
- Power Facility Expert

- iii. Renewable Energy Expert
- iv. Financial Analyst/Economist

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

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, and liaising with UNOPS on the submission of invoice and payment-related documents.

B. Evaluation Criteria

Evaluation and Formal Criteria

The criteria contained in the table below will be evaluated on a **Pass/Fail** basis and checked during the 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	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 documents and technical documentation requested in Instructions to Offerors Article 10 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	Form B: Proposal Submission Form

C. Qualification Criteria

The criteria contained in the table below will be evaluated on a **Pass/Fail** basis and checked during the Qualification Evaluation of the proposals.

Criteria	Documents to establish compliance with the criteria
<p>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. What is considered as relevant experience are the following:</p> <ul style="list-style-type: none"> • Experience in the power sector, particularly in coal plants is required. • Experience in renewable energy plants is preferred. 	<ul style="list-style-type: none"> • Certification of incorporation of the Offeror • Form F: Performance Statement Form
<p>The consultant, or an active organization within the applying consortium, must have a presence in the Philippines.</p>	<p>Certification of incorporation of the Offeror issued by the Philippines Government. In case of the JV, one of the partner's should submit a certificate of incorporation issued by the Philippines Government.</p>
<p>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</p>	<p>Form F: Performance Statement Form</p>
<p>Financial Capacity/financial stability: Bidder should have a minimum annual turnover of 200,000 USD in any of the past 2 years. Liquidity / quick ratio should be a minimum of 1, in any of the past 2 years.</p> <p>In the case of a joint venture (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 have 1 liquidity/quick ratio in any of the past 2 years.</p>	<ul style="list-style-type: none"> • Financial statement • Audit report(s) covering the past two years • Any relevant analysis document authorized or accepted by the local government, where the offeror is legally registered

D. Technical Criteria

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

- 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

Overall Technical proposal points allocation

Section number/description		Points Obtainable
1	Offeror's qualification, capacity and expertise	20
2	Proposed Methodology, Approach and Implementation Plan	35
3	Key Personnel Proposed and Sustainability Criteria	25
Total Technical Proposal Points		80

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 relevance of specialized knowledge and experience on similar engagements done in the past. Bidders partnering up with a Philippines-based entity or local experts to provide for the strategic consultation, and local context is considered a valuable asset.	15	

Section 1: Offeror's qualification, capacity and expertise		Points	Sub-points
	(Max 4 pages written text plus 1 Matrix)		
	1. Experience in projects of comparable size (5 points), type, complexity (5 points), and technical specialty (5 points)		15
1.2	General organizational capability which is likely to affect implementation: management structure, and project management controls. In case of JV, there should be a clear splitting of responsibilities among the JV members (Max 4 pages written text)	5	
	Management structure, management controls, and the extent to which any part would be subcontracted		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 and methodology for meeting or exceeding the requirements of the Terms of Reference	25	
	1. Description of the offeror's approach to conducting a technical assessment of the CFPP.		15

Section 2: Proposed Methodology, Approach and Implementation Plan		Points	Sub-points
	2. Description of the offeror's approach to identify, analyze and evaluate transition options, including renewable energy alternatives, to replace the CFPP.		10
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 a 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 a Gantt chart		5
Total points of the section		35	

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	22	
	1. Project Lead/Lead Engineer Education: (2 out of 7 points) Minimum Qualification: <ul style="list-style-type: none"> Master's Degree or higher education in Engineering, Energy, or related fields. A bachelor's degree with an 		7

Section 3: Key Personnel Proposed and Sustainability Criteria		Points	Sub-points
	<p>additional 2 years of relevant experience is accepted as equivalent.</p> <p>Work Experience (5 out of 7 points)</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> • A minimum of 10 years experience in energy, engineering. • Previous experience working with power generating facilities - coal plants, or renewable energy facilities is required; • Previous experience in assessing, and valuing power facility assets is required <p>Preferred Qualifications</p> <ul style="list-style-type: none"> • Experience in coal phase-out, energy transition approaches • Experience working in the Philippines power sector 		
	<p>2. Power Facility Expert</p> <p>Education: (1 out of 5 points)</p> <p>Minimum Qualification:</p> <ul style="list-style-type: none"> • Master's Degree or higher education in Engineering, Energy, or related fields. A bachelor's degree with an additional 2 years of relevant experience is considered equivalent. <p>Work Experience (4 out of 5 points)</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> • A minimum of 5 years experience in energy, engineering. • Previous experience working with power generating facilities - coal plants, or renewable energy facilities is required; 		5

Section 3: Key Personnel Proposed and Sustainability Criteria		Points	Sub-points
	<p>Preferred Qualifications</p> <ul style="list-style-type: none"> • Previous experience in assessing, and valuing power facility assets is preferred • Experience in coal phase-out, energy transition approaches • Experience working in the Philippines power sector 		
	<p>3. Renewable energy expert</p> <p>Education: (1 out of 5 points)</p> <p>Minimum Qualification:</p> <ul style="list-style-type: none"> • Master's Degree or higher education in Engineering, Energy, renewable energy or related fields. A bachelor's degree with an additional 2 years of relevant experience is considered equivalent. <p>Work Experience (4 out of 5 points)</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> • A minimum of 5 years experience in renewable energy, engineering. • Previous experience working on renewable energy facilities is required; <p>Preferred Qualifications</p> <ul style="list-style-type: none"> • Experience in coal phase-out, energy transition approaches • Experience working in the Philippines power sector 		5
	<p>4. Financial Analyst/Economist</p> <p>Education: (1 out of 5 points)</p> <p>Minimum Qualification:</p> <ul style="list-style-type: none"> • Master's Degree or higher education in Economics, Accounting, Climate Finance, or other related fields. A 		5

Section 3: Key Personnel Proposed and Sustainability Criteria		Points	Sub-points
	<p>bachelor's degree with an additional 2 years of relevant experience is considered equivalent.</p> <p>Work Experience (4 out of 5 points)</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> • A minimum of 3 years experience in energy finance, analyzing financial data, operating costs, and fuel costs, for energy projects/facilities. • Previous experience working with power generating facilities - coal plants, or renewable energy facilities is required; <p>Preferred Qualifications</p> <ul style="list-style-type: none"> • Previous experience in valuing power facility assets is preferred • Experience on coal phase-out, energy transition approaches • Experience working in the Philippines power sector 		
3.2	The bidder shall provide a clear statement, approach, and methodology that demonstrates its commitment to support and mainstreaming gender equality and social inclusion through its operations and project implementation activities	3	
Total points of the section		25	

E. Financial Criteria (20 maximum points)

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

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 =

[Maximum number of points for the Financial Proposal] x [Lowest price]

[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.

Formula for computing points: Example

Points = (A/B) Financial Points
Bidder A's price is the lowest at \$20.00. Bidder A receives 20 points
Bidder B's price is \$40.00. Bidder B receives (\$20.00/\$40.00) X 20 points = 10 points

The total score obtained in both Technical and Financial proposals will be the final score for the proposal, with 80% allocated to the Technical proposal and 20% 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.

The selection of the preferred bidder will be based on a cumulative analysis, analyzing 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.