

Agus - Pulangi Hydropower Plants Rehabilitation Project (APRP)

I. The Project Description

- Rehabilitation and uprating of Agus 1, Agus 2, Agus 4, Agus 5, Agus 6 (except units 1 and 2), Agus 7 and Pulangi 4 Hydroelectric power plants (a total of 932.1 MW).
- A rehabilitation program covering the existing Agus - Pulangi Hydropower Complex (APHC) on the island of Mindanao is being prepared through cooperation between the World Bank and the relevant agencies of the Philippines. The APHC consists of seven and mostly run-of-river hydropower plants with a total installed capacity of 1,001.1 MW. Six of the seven hydropower plants (HPP's) of the Agus - Pulangi Hydropower Complex are located on the Agus River that flows for 36.5 km from Lanao Lake to Iligan Bay. The seventh hydropower plant is the Pulangi 4, located on the Pulangi River in the province of Bukidnon.

II. The Project Development Objectives

To enhance the reliability of clean energy generation in Mindanao by rehabilitating the Agus-Pulangi Hydropower Complex (APHC) by having the following indicators:

- Extended operational lives
- Restored rated capacity
- Improved safety
- Enhanced reliability
- Strengthened resilience against climate change and natural disasters

III. The Scope of the Project

- Rehabilitation of electrical and mechanical components of generating units and auxiliaries;
- Addressing of obsolescence issues and upgrading of operational performance and conditions with installation of state-of-the-art monitoring, control, protection and dispatch systems;
- Increasing the capacity and energy production of the plants through equipment efficiency and increased water availability.

Note: The increasing of technical and water availability capacities will depend on the result of the feasibility study.

IV. APRP Project Preparation Activities (PPA)

- The National Power Corporation is preparing a proposed Agus-Pulangi Hydroelectric Power Plants Rehabilitation Project with the involvement of the Department of Finance, Department of Energy, and Power Sector Assets and Liabilities Management Corporation. The World Bank will finance Project Preparation Activities (PPA) that will include: a. Part 1 - Feasibility Study, supporting the preparation of a feasibility study for the APHC rehabilitation project; and b. Part 2 - Tender Design, providing technical and operational support for the recruitment of an owner's engineer to prepare tender documents, including tender design, and provide NPC with tender assistance. The EU is financing the Environmental and Social Assessment for the proposed project.
- NPC will implement the PPA in accordance with the World Bank's Environmental and Social Standards of the Bank's Environmental and Social Framework. NPC's commitments to do so are provided in the disclosed Environmental and Social Commitment Plan (ESCP).
- **Overview of Environmental and Social Framework by the World Bank**

ESS 1	Assessment and Management of Environmental and Social Risks and Impacts
ESS 2	Labor and Working Conditions
ESS 3	Resource Efficiency and Pollution Prevention and Management
ESS 4	Community and Health Safety
ESS 5	Land Acquisition, Restrictions on Land Use and Involuntary
ESS 6	Biodiversity Conservation and Sustainable Management of Living Natural Resources
ESS 7	Indigenous Peoples (IPs) historically under traditional local communities
ESS 8	Cultural Heritage
ESS9	Financial Intermediaries
ESS 10	Stakeholder Engagement and Information Disclosure

- **Environmental and Social Commitment Plan (ESCP) – [ESCP File](#)**
 - ESCP Regular Reporting
 - This report shall cover the status of the environmental, social, health and safety performance of the Feasibility Study preparation and project procurement (Project Preparation Activities “PPA”) in compliance to the requirements of NPC’s ESCP.
 - Incidents and Accidents
 - A reporting mechanism to promptly notify the Bank of any incident/accident related to the PPA that will likely have a significant adverse effect on the environment, the affected communities, and the public or workers (in relation to the requirements of the ESCP).
 - Contractor Monthly Report
 - This reporting mechanism ensures that the Consultants/Experts will submit their monthly performance reports.

- **APRP ESCP in compliance to Environment and Social Standards (ESS)**
 - ESS1: Assessment and Management of Environmental and Social Risks and Impacts
 - Organizational Structure
 - *NPC to establish a project implementing unit (PIU) or group that will oversee the implementation of the Project to include the compliance of the requirements of the ESCP. For the E&S risk management, the PIU can tap the services of the existing groups, such as, Environmental Management Department (Corporate level), Watershed Management Department (Corporate level), Community Development Department (Mindanao Generation group level), Safety and Security Division with existing environmental functions and environmental officer (Mindanao Generation group level) and safety/pollution officers (Plant level) of NPC.*
 - Environmental and Social Assessment
 - *NPC to ensure that the technical assistance activities under the PPA are carried out in accordance with terms of reference acceptable to the Bank and duly incorporate and take into consideration the requirements of the ESS.*

- A comprehensive E&S assessment and management framework, governed by the World Bank's ESF, has been planned for the rehabilitation project (Agus Pulangi Hydropower Complex Rehabilitation Project-P173728). The ESIA planned for this rehabilitation project will be carried out in parallel with a multiple options study (MOS) and both studies will be incorporated or fully considered in the FS carried out under the PPA in terms of E&S conditions, constraints and opportunities. The NPC will ensure coordination and information transfer on these two studies.

- ESS2: Labor and Working Conditions
 - Labor Management Procedures
 - *NPC shall comply with all applicable provisions of "The Labor Code of the Philippines" and the Bank's ESS2 in relation to labor and working conditions for the PPA, which includes PPA firm/consultants and NPC staff overseeing the PPA. Provisions include management and responsibility for labor and working conditions between the employer and employee such as informed worker's rights, ensuring safety and welfare, non-discrimination, equality, and equity, not constraining the rights and freedom, grievance mechanism, preventing the exploitation of children and forced labor based on labor law and child protection, and preventing sexual harassment and abuse. Provisions include also prevention and management of adverse risks associated to influx of workforce.*

 - Grievance Mechanism for Project Workers
 - *NPC shall comply with all applicable provisions of "The Labor Code of the Philippines" in relation to the PPA, and address any grievances related to labor and working conditions consistent with ESS2.*
 - *NPC shall ensure that the PPA firm/consultants comply with all applicable provisions of "The Labor Code of the Philippines" in relation to the PPA, and address any grievances related to labor and working conditions consistent with ESS2.*

 - Occupational Health and Safety Measures
 - *NPC to comply with Civil Service Commission (CSC)/Department of Health (DOH)/Department of Labor and Employment (DOLE) Joint Memorandum Circular No. 1, s.2020 "Occupational Safety and Health (OSH) Standards for the Public Sector"*

 - *Consultants/experts to comply with Republic Act 11058 "An Act Strengthening Compliance with Occupational Safety and Health Standards and Providing Penalties for Violations Thereof" and its Implementing Rules and Regulation as per DOLE Department Order No.198, s.2018*

- ESS3: Resource Efficiency and Pollution Prevention and Management
 - E-Waste Management Plan
 - *While there will be no direct waste/e-waste/waste water generation under the PPA, the RETF activities will take into account good practice principles of waste management, especially when designing for waste minimization or avoidance. The FS will fully take into consideration the result of the ESIA planned under the Agus–Pulangi Hydropower Complex Rehabilitation Project (P173728) on waste management planning, ensuring that the required structural, spatial and organizational aspects are considered in the FS.*
 - Resource Efficiency and Pollution Prevention and Management

- ESS4: Community and Health Safety
 - Traffic and Road Safety
 - *While there will be no direct traffic safety risks or traffic-related impacts under the PPA, the RETF activities will take into account good practice principles of traffic management for the anticipated construction sites, especially when designing site access, traffic routes and control and safety measures for affected communities. The FS will fully take into consideration the results of the ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project (P173728), ensuring that the required structural, spatial and organizational aspects are considered in the FS.*

 - Community Health and Safety
 - *While there will be no direct health and safety risks or impacts to communities in the project area under the PPA, the RETF activities will take into account good practice principles of community H&S for the anticipated construction sites, traffic routes, camps and workshops. The FS will fully take into consideration the results of the ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project (P173728), ensuring that the required structural, spatial and organizational aspects are considered in the FS.*

 - Security Personnel
 - *Provision of security escorts/services for consultants/experts on the following: (i) activities to be conducted outside NPC facilities related to PPA–to be arranged by NPC, (ii) office of*

consultant/expert or temporary residence or activities not related to PPA – to be arranged by consultant/expert.

- ESS5: Land Acquisition, Restrictions on Land Use and Involuntary
 - Resettlement Plans
 - *While there will be no economic or physical displacement under the PPA, the RETF activities will fully consider the results of the planned ESIA with respect to any such impacts concerning future rehabilitation activities. The FS will consider the results of ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project (P173728), ensuring that the required structural, spatial and organizational aspects are considered to avoid or minimize economic or physical displacement consistent with ESS5.*

- ESS6: Biodiversity Conservation and Sustainable Management of Living Natural Resources
 - Biodiversity Risks and Impacts
 - *While no direct risks or impacts are anticipated for biodiversity under the PPA, the RETF activities will fully take into consideration the results of the planned ESIA with respect to any existing protected areas, sensitive ecosystems or receptors that could be impacted by the works planned under the FS. The same principle applies to designing site access, traffic routes and the locations for workshops, quarries, lay down areas and workers' accommodations. The FS will fully consider the results of ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project (P173728), ensuring that the required structural, spatial and organizational aspects are considered in the FS to avoid or minimize biodiversity risks and impacts.*

- ESS7: Indigenous Peoples (IPs) historically under traditional local communities
 - Indigenous Peoples Plan
 - *While there are no direct risks or impacts to indigenous peoples of the PPA, the RETF activities will fully consider the results of ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project to ensure that the ESS7 provisions are considered in the FS, as relevant. The ESIA includes a stakeholder engagement process involving indigenous peoples in the project areas to inform the ESIA and the subsequent rehabilitation project.*

- ESS8: Cultural Heritage (CH)
 - CH and CHANCE Finds
 - *While there are no direct risks or impacts to cultural heritage of the PPA, the RETF activities will fully consider the results of ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project consistent with ESS8, as relevant, including identification of tangible and intangible CH in consultation with local stakeholders and development of chance finds procedures for future rehabilitation activities.*

- ESS10: Stakeholder Engagement and Information Disclosure
 - Stakeholder Engagement Plan Preparation and Implementation
 - *The RETF activities will fully consider the results of the ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project, which includes a stakeholder engagement process to inform the ESIA and the subsequent rehabilitation project.*

 - Project Grievance Mechanism
 - *The RETF activities will fully consider the results of the ESIA planned under the Agus-Pulangi Hydropower Complex Rehabilitation Project, which includes a stakeholder engagement process to inform the ESIA and the subsequent rehabilitation project.*

- **ESCP Reportorial Requirements**
 - **ESCP Regular Reporting Form** *(In Progress)*
 - **Incidents and Accidents Reporting Form** *(In Progress)*
 - **Contractor Monthly Reporting Form** *(In Progress)*
 - **Consultant Accomplishment Status** *(In Progress)*
 - **Grievance Reporting Form** *(In Progress)*

V. Status

- **Feasibility Studies (FS)**
 - *In Progress*
- **Multiple Options Study (MOS)**
 - *In Progress*
- **Environmental and Social Impact Assessment (ESIA)**
 - *In Progress*

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