

TERMS OF REFERENCE
ENVIRONMENTAL SAFEGUARD SPECIALIST
PNG POWER LIMITED

Energy Utility Performance and Reliability Improvement Project

A. Overview

PNG Power Ltd (PPL) is a fully integrated power authority responsible for generation, transmission, distribution and retailing of electricity throughout Papua New Guinea and servicing individual electricity consumers. PPL services customers in almost all urban centres throughout the country encompassing industrial, commercial, government and domestic sectors. Where possible, the services extend to rural communities adjacent to these urban centres.

PPL with financing from the World Bank is implementing the Energy Utility Performance and Reliability Improvement Project (EUPRIP – P167820). The project's objective is to improve the operational performance of the Borrower's national electricity utility (PNG Power Limited) and improve the reliability of electricity supply in the Project Area.

EUPRIP has four (4) components including:

- Component 1 — Urgent rehabilitation and upgrade of PPL infrastructure (US\$16.3 million) - with a focus on (i) improvements, reinforcements and upgrades in the medium voltage (MV) distribution network, (ii) rehabilitation and upgrades of selected substations, and (iii) enhancements in electricity supply control and protection functionality.
- Component 2 — Implementation of key components of Performance Improvement Plan (PIP) for PPL (US\$9 million) - with a focus on improving efficiency, transparency and accountability in key operations areas (electricity supply, commercial functions, management of corporate resources) in a sustainable manner, concentrating on better service quality and revenue optimization (loss reduction and maximizing collection).
- Component 3 — TA to implement the least-cost power development plan (LCPDP) (US\$1.6 million) – including (i) any planning studies that may be needed supplementary to the LCPDP, and updates to the LCPDP; (ii) any assessments, feasibility studies, or detailed design and bidding documents for rehabilitation of existing hydropower facilities (notably rehabilitation of Ramu 1, and Rouna Cascade); and (iii) TA activities and studies to support the preparation of gas-to-power projects, renewable energy projects such as Naoro-Brown HPP, and/or solar or wind projects, and the associated transmission and distribution lines.
- Component 4 – Project management support - to provide technical and operational assistance, including capacity building activities and training, to support PPL on project management and implementation; technical areas related to the activities carried out under the project; and measures to address and monitor gender-related matters.

B. Environmental and Social Requirements

EUPRIP will be implemented in accordance the Government of PNG's laws and World Bank Safeguards Policies. PPL has prepared and Environmental and Social Management Framework (April 2019) and associated instruments which outlines these requirements, and procedures and tools for screening,

assessing and managing environmental and social risks and potential impacts of project activities during the implementation of the Project.

C. Assignment Objectives

PPL requires an Environmental Safeguards Officer to oversee the implementation of the project's E&S safeguards requirements with a focus on environmental safeguards including environmental assessment and planning, monitoring, reporting, contractor supervision and inputs to/oversight of technical assistance activities.

The Environmental Specialist will be contracted directly to PPL and will report to the Project Manager. The Environmental Specialist will work closely with the Social Specialist, and other PPL E&S officers and will be supported by the project's International E&S Specialist.

D. Scope of Work

Implementing Arrangements and Systems

- Operationalize the environmental safeguards processes and tools as outlined in the project's ESMF and associated instruments including but not limited to environmental assessment and planning, monitoring, reporting, contractor supervision and inputs to/oversight of technical assistance activities – and where possible align to and strengthening existing PPL systems and procedures.
- Compile and prepare environmental monitoring reports as required by PPL, CEPA and the World Bank
- Participate as required in World Bank implementation missions and ensure aide memoire actions are followed-up and closed-out.
- Support PPL during the preparation of any additional World Bank financed projects.

Component 1 - Urgent rehabilitation and upgrade of PPL infrastructure

- Co-lead E&S management alongside the social specialist informing the design process for component 1, including E&S screening and due diligence; preparation and obtaining approvals of the required sub-project instruments (e.g., environmental and social management plans – ESMPs) and participate in public consultations as needed.
- Co-lead the implementation of E&S instruments.
- Ensure E&S requirements are integrated into civil works procurement and contract management processes including providing inputs for works bid documents; supporting the bidding and evaluation process; reviewing and obtaining approval for contractor environmental and social management plans (CESMPs) and associated subplans to ensure compliance with the sub-project ESMP;
- Ensure E&S requirements are integrated into terms of reference and outputs for any technical assistance activities.
- Complete regular site inspections to monitor the Contractor's compliance with the CESMPs and associated sub plans; and tracking any non-compliances and associated remedial actions and providing technical support and capacity building to the Contractor as required to ensure compliance. Compile reports on environmental safeguards performance during sub-project implementation.

Component 2 — Implementation of key components of Performance Improvement Plan (PIP)

- Provide environmental safeguards support during the implementation of component 2 as required.

Component 3 — TA to implement the least-cost power development plan (LCPDP)

- Act as the PPL focal point for environmental safeguards for consultants tasked with the conduct of assessments, feasibility studies, or detailed design and bidding documents for the rehabilitation of existing hydropower facilities or the preparation of gas-to-power projects, renewable energy projects such as Naoro-Brown HPP, and/or solar or wind projects, and the associated transmission and distribution lines.
- Coordinate consultants and represent PPL during stakeholder engagement activities.
- Provide inputs for the TA terms of reference and conduct technical environmental safeguards review of TA outputs.

TIMING AND INPUT

The Environmental Safeguards Officer is a full-time role. The successful applicant will be contracted for a period of two years with possibly of extension.

QUALIFICATIONS AND EXPERIENCE

- A graduate degree in environmental science, environmental engineering, or related discipline.
- Fluent in spoken and written English and Tok Pisin.
- At least five years-experience in environmental risk or impact assessment and management, preferably in electricity supply industry projects.
- Experience in implementing World Bank or other international donor safeguards systems highly regarded.