

# Port moresby energy storage for load shifting

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The proposed Port Moresby Grid Development Project will upgrade and extend the transmission and distribution grid in the national capital, Port Moresby, thereby improving the reliability and quality of power supply to the main urban center in Papua New Guinea (PNG), improving the energy efficiency of power delivery, and enabling delivery of essential power to rapidly expanding areas of Port Moresby. A project preparation technical assistance (PPTA) will be undertaken for the due diligence of the proposed project.

Energy / Electricity transmission and distribution

PPL customers (residential and business) undertake more economic activities

Better power supply for Port Moresby

-Procurement training conducted by ADB consultant in May 2018.

-Safeguards Training conducted by ADB in June 2018

1. PPL upgrades and rehabilitates hydropower capacity by 7.6MW by 2022.
2. PPL to construct 1 new Substation and 6.1 km of transmission line by 2020.
3. Project management and capacity building
4. Upgrade Port Moresby's 11kV Distribution Grid by 2022.

Issues: Scope of work for the project has increased due to the deterioration of existing plant from the 1960s and 1970s. Prolonged Bid Evaluation due to bidders not providing sufficient information as required by the Tender documents.

2.POM system survey completed. As built drawings completed. Simulation of results and field data using Sincal in progress. Technical part 90% completed with Technical Data to be compiled and verified by a Distribution Expert.

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