The Lom Pangar Hydropower Project (LPHP) is a priority project in the Government of Cameroon’s development strategy to improve access to reliable low-cost hydropower supply for economic growth and poverty reduction.

- The Lom Pangar Hydropower Project (LPHP) consists of a regulating dam, a hydroelectric power plant at the foot of the dam, a transmission line between the power plant and the Eastern Network, a rural electrification scheme along this transmission line, environmental and social measures, and support for technical assistance and project management. Associated investments include the adaptation of the Chad-Cameroon Pipeline, which is outside the scope of this project per se, but required for the project to come to fruition.
- The Lom Pangar regulating dam will be located on the River Lom in Cameroon’s Eastern Region - about 4 km downstream of the confluence with the Pangar River, and 13 km upstream of the confluence with the Sanaga River.
- The LPHP hydroelectric power plant at the foot of the dam will generate an additional 30 MW of low-cost, hydropower for rural electrification of the Eastern Region.
- By storing water during wet months and releasing it during dry periods, the reservoir will increase the guaranteed water flow to the Sanaga River from 720 to 1,040 cubic meters per second throughout the year, thereby reducing seasonal variability.
- In the short-term, the LPHP will increase the year-round production capacity of the two existing Edea and Song Loulou hydropower plants on the Sanaga River by 120 MW.
- In the medium-term, the LPHP opens up the possibility of incrementally constructing a cascade of downstream hydropower plants on the Sanaga River. While not directly attributable to the project, potential follow-up investments in downstream hydropower will improve electricity generation services for households and industries in Cameroon and beyond.

The Lom Pangar Hydropower Project (LPHP) is a multi-sectoral project that spans the energy, water resources, and natural resources management sectors.

- The LPHP is a complex project that will have significant environmental and social impacts. The project will require various interventions to assess, minimize, and mitigate potentially adverse impacts. Accordingly, the project is designated Category A as per the World Bank’s safeguard policy on Environmental Assessment (OP/BP 4.01).
- The LPHP preparation has been carried out according to international safeguard standards. A comprehensive Environmental and Social Impact Assessment has been prepared to address environmental and social impacts during and after the project’s construction phase. The LPHP environmental and social safeguard documents are
available on EDC’s website (www.edc-cameroon.com) as well as on the World Bank’s project website (www.worldbank.org/lompangar).

- As part of the LPHP, the Government of Cameroon is creating the 58,000 hectare Deng Deng National Park. The Deng Deng National Park serves as an environmental offset; and ensures, together with accompanying measures, the viability of the Deng Deng forest's population of endangered large primates.

**The LPHP lies at the heart of the Government of Cameroon’s Vision 2035 and Strategy for Growth and Employment 2010-2019, which call for increased investments in infrastructure and improved productivity for growth and poverty reduction.**

- Cameroon’s hydropower potential is the third largest in Sub-Saharan Africa, estimated at over 12,000 MW, with the Sanaga River basin providing nearly half of the untapped potential. However, the total installed electricity generation capacity from all sources is currently only 933MW, 77 percent of which is hydro capacity and the remainder relatively costly and polluting thermal capacity (e.g., diesel and heavy fuel oil).
- Energy shortages and the high cost of electricity have slowed growth in Cameroon for the past 15 years, with an estimated loss in GDP growth of 1 to 2% each year.
- Limited access to expensive electricity means that power is unaffordable for the majority of the population.

**The Lom Pangar Hydropower Project (LPHP) is a multi-donor partnership**

- The World Bank is part of an international partnership that is supporting LPHP to help bring badly needed electricity to Cameroon. International partners in the project include the African Development Bank, the Agence France de Développement, the Central African States Development Bank (BDEAC), and the European Investment Bank. Financing from BDEAC and the AfDB for LPHP was signed in January 2012.
- Estimated costs for the LPHP are US$ 393 million (excluding the costs for the adaptation of the Chad-Cameroon Pipeline). The World Bank is providing US$132 million in concessional financing from the International Development Association (IDA)

www.worldbank.org/lompangar
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