



TIMBER HARVESTING AND BIOMASS REMOVAL PLAN - LOM PANGAR HYDROPOWER PROJECT / GIS SURVEY

Ref.
77

Expert(s)	Country	Volume (md)	Amount* (€)	Beneficiary	Funding	Start date	End date	Partner(s)	Reference
Jérôme Maurice	Cameroon	11	8,250 <i>*For the referred expert, within ONFI</i>	EDC	World Bank	Sept. 2012	Dec. 2012	ONF Cameroun	onfcameroun@gmail.com +23799996032

Detailed description of the project	Services provided
<p>The Lom Pangar Hydropower Project (LPHP) is located in eastern Cameroon, upstream on the Sanaga river, where the Lom river meets the Pangar river, close to the Deng Deng National Park. The LPHP is one of the “great achievements” expected to contribute to the development of the country’s energy sector. Total cost approximates 393 million USD financed by the World Bank, the AfDB, the BDEAC, the EIB and the French Development Agency. Electricity Development Corporation (EDC), a Cameroonian company, is in charge of the project’s construction and exploitation.</p> <p>The LPHP reservoir will help to regularize the Sanaga river flows, in order to optimize the exploitation of two major dams located downstream (Song Loulou and Edéa). Given the local topography, the reservoir should drown around 60 000 ha of land, including 32 000 ha of forests. It might represent 1 million cubic meters of timber and 14 million tons of biomass. Thus, there is an opportunity to valorize these resources, while reducing the greenhouse gas emissions of the reservoir.</p> <p>After a first study held in 2010, the Environmental and Social Management Plan of the LPHP integrated recommendations for the implementation of a timber harvesting and biomass removal plan. The 2012 study aimed to propose a detailed harvesting plan within the reservoir (georeferenced parcels and forest roads connections, harvesting planification according to the LPHP exploitation chronogram, technical modalities for the timber harvesting and biomass removal), including technical specifications for the operators, especially designed to meet the environmental and social safeguards described in the Environmental and Social Management Plan.</p>	<p>Under the supervision of the team leader (ONF Cameroun), the expert realized a field mission in order to :</p> <ul style="list-style-type: none"> Follow the proposed forest road tracks (GPS) in order to assess the feasibility of opening new forest roads in the area (slope and erosion control, identification of river sources) and their potential environmental and socio-economic impact, according to the particularity of each zone. It included the identification of potential area to build logyards and deposit places. The area south to the reservoir contained: a project to create the Deng Deng community forest, the Deng Deng National Park, a logging concession delivered around the LPHP construction site (existing tracks identification); Organize a field visit with the project’s partner (WB, EDC, MINFOF, WCS) particularly in order to give details on the harvesting modalities of the drown area within the Deng Deng National Park. <p>The results of this study allowed (i) to contribute to the detailed timber harvesting plan and biomass removal plan within the reservoir, (ii) to elaborate technical specifications for the operators, especially regarding the environmental and social safeguards that go along with the opening of new access roads in the forest. This particular work was elaborated in full completion with the Cameroonian regulatory framework in terms of sustainable harvesting practices, with the World Bank’s operational safeguard policies, with the Environmental and Social Management Plan of the LPHP and with the main standards in terms of Reduced Impact Logging.</p>