

# VILLONACO'S WIND PROJECT II & III



## PROJECT INFORMATION



### PROJECT DESCRIPTION

With the objective of achieving the Electricity Master Plan, the Ecuadorian State, through the Ministry of Energy and Non-Renewable Resources, has declared the exceptionality for the involvement of the private sector in the generation of electric energy through the execution of Project Villonaco II & III (110MW).

The Villonaco II (Membrillo – Ducal) & Villonaco III (Huayrapamba) locations enjoy of the same microclimate of Villonaco's I Wind Central, characterised by its optimal factor of average plant, which has been a 53.7% with wind velocities that average 12.4 m/s (44.64 Km/h) for the last five years of operation.



### PROJECT STATUS

The Project Counts with the following information:

- Feasibility Studies (2012 & 2014)
- Wind studies since the year 2009
- Studies of Environmental Impact (2012 & 2014)
- Interconnection Study (2019)



### DELEGATION MODALITY

The Villonaco Project II & III, will be granted by concession, for timeframe of 25 years. The companies will have the option to bid for the project and the winner will be in charge of financing, building, operating, keeping, and delivering the energy to the Interconnected National System. **Currently, the Public Process of Selection (PPS) is being executed.**



### ESTIMATED INVESTMENT:

CAPEX	USD 200 MM aprox.
WARRANTY	USD 2,5MM
BIDDING	FEB 2020



### FINANCIAL DATA:

IRR	Does not apply
DISCOUNT RATE	Does not apply
NVP	Does not apply



### SECTOR:

Energy



### GOVERNING ENTITY:

Ministry of Energy and Non-renewable Natural Resources



## LOCATION

The Villonaco II & III Wind Project is located in the province of Loja, south of Ecuador. It has the Villonaco II central, that belongs to the Membrillo-Ducal site, located in the western mountain range that borders the city of Loja; while the Villonaco's III Central belongs to Huayrapamba, located in the Chuquiribamba parish, 49.10 km from said city.



## LEGAL FRAMEWORK

Organic Law of the Public Service of Electric Energy and its Regulations

Organic Law for the Productive Promotion, Attraction of Investment, Generation of Employment and Stability, and Fiscal Balance

Organic Code of Production, Trade, and Investments

Organic Law of Internal Tax Regime and its Regulations

*Ecuador*  
Destino de INVERSIONES