

The Loreto Regional Government Project “Hydroelectric Power Station Mazan and its Transmission System (HPSM)”

On February 26, 2014 the regional government of Loreto announced a 544 MW hydroelectric power generation project in Mazan, Loreto, in the northeastern jungle of Peru. The plant will provide lower cost electricity to the city of Iquitos, currently supplied by thermal generation. An excess capacity of 320 MW will be connected by a transmission line to the national grid to generate additional revenue.

Positive values of annual cash flows indicate that the project is financially and economically self-sustaining and attractive to private investors: Positives NPV (net present value) and IRR (internal rate of return on investment) affirm that the Mazan Hydroelectric Power Station is profitable and its construction is recommended.

Location of HPSM

The project is located in Napo and Amazonas rivers basin, in the districts of Mazan, Indiana and Punchana, Maynas province, in the Region of Loreto. This hydroelectric power station has been designed to operate without requiring water storage, with two powerhouses, using the water resources of Mazan and Napo rivers. The center will have an installed capacity of 544 MW connected to the substation in New Iquitos by a 17.3 miles transmission line at 220 kv.

Cost and Investment

The estimated time for the construction of the Hydroelectric Power Station Mazan 544 MW and its Transmission System to Iquitos is 5 years, with a total cost of approximately US\$ 1.2 billion. The Loreto Regional Government will implement the project through a Public Private Partnership, with a 30 year build-operate-transfer concession.

Project Details

- Complete construction of the infrastructure of mobile barrage, Powerhouse Number 2, fixed dock and lock gates are part of the civil works on the Napo River.
- Spillway located at the Napo River, with a Powerhouse Number 2 with 140 Hydromatrix turbines, a mobile barrage with 18 radial gates and a fixed dock.
- The construction of the lock in the Napo River that will allow safe navigation in it. Also, as part of an environmental mitigation, a channel that allows the migration of fish.
- Lateral earth dams, to ensure a maximum level of operation.
- A 6.5 km transmission line from Powerhouse Number 2 to substation Mazan 1.
- A canal for the diversion of the water of the Mazan-Napo River to the Amazon River.



- Powerhouse Number 1, with 8 bulb turbines will operate a nominal flow rate of 757 m³ / s per group for a nominal net fall of 6.8 meters.
- The total installed capacity in the Mazan Center will reach 544MW.

Contact Information

Regional Government of Loreto

Phones: (51 65) 267-010, (51 65) 266-969

Fax: (51 65) 267-013

Email: informatica@regionloreto.gob.pe

Website: www.regionloreto.gob.pe

Lahmeyer Agua y Energia S.A.

Pablo Ferradas, Managing Director

Phone: (51 1) 222-2286

Fax: (51 1) 221-3078

Email: pferradas@liperu.com

Website: <http://www.liperu.com>

For More Information

The U.S. Commercial Service in Lima, Peru can be contacted via e-mail at:

cesar.jochamowitz@trade.gov;

Phone: 51 1 618-2442

or visit our website: <http://www.buyusa.gov/peru/en/>.

The U.S. Commercial Service — Your Global Business Partner

With its network of offices across the United States and in more than 80 countries, the U.S. Commercial Service of the U.S. Department of Commerce utilizes its global presence and international marketing expertise to help U.S. companies sell their products and services worldwide. Locate the U.S. Commercial Service trade specialist in the U.S. nearest you by visiting <http://www.export.gov/eac>.

Comments and Suggestions: We welcome your comments and suggestions regarding this market research. You can e-mail us your comments/suggestions to: Customer.Care@mail.doc.gov. Please include the name of the applicable market research in your e-mail. We greatly appreciate your feedback.

Disclaimer: The information provided in this report is intended to be of assistance to U.S. exporters. While we make every effort to ensure its accuracy, neither the United States government nor any of its employees make any representation as to the accuracy or completeness of information in this or any other United States government document. Readers are advised to independently verify any information prior to reliance thereon. The information provided in this report does not constitute legal advice. The Commercial Service reference to or inclusion of material by a non-U.S. Government entity in this document is for informational purposes only and does not constitute an endorsement by the Commercial Service of the entity, its materials, or its products or services. International copyright, U.S. Department of Commerce, 2014. All rights reserved outside of the United States.