

PIRRIS

Costa Rica



Project Site

DESCRIPTION

The Pirris Hydropower Project is located on the Pirris River basin (Pacific Slope) in the area of San Marcos de Tarrazú, in the province of San José. The power house is located in the area of Bijagual village in Aserrí. The Project has an install capacity of 128 MW and an annual average generation of 561 GWh. It consists of a dam of Roller Compacted Concrete.

(RCC) of 113 m high forming a reservoir of 30 Mm³. A 11 km tunnel allows the exploitation of a gross head of 884 m. The powerhouse has two Pelton turbines of 64 MW each. The energy produced by the Project is transferred through 230 kV transmission line to a substation that connects to the Central Pacific with the rest of National Power System, which is part of the interconnecting works of the Central American Electrical Interconnection System. (SIEPAC)



NAME OF CLIENT:

Japan International Cooperation Agency (JICA): F/S
Instituto Costarricense de Electricidad (ICE)
BD,D/D, S/V

CAPACITY: 128MW

SERVICES:

Feasibility Study (November 1989 - September 1992)
Bid Document (April 1997 - April 2000)
Construction Supervision (March 2003 – June 2009)