

Commercial Proposal - Hydroelectric Equipment

Mega cables Industry and Commerce

1. Presentation

1.1. We are a wire and cable industry based in Minas Gerais, we have a manufacturing unit located in cascade end Minas (MG), with more than 20,000 m² of built area equipped with high-tech machines and equipment, as well as a state-of-the-art laboratory, thus guaranteeing high standards of quality and safety in all product lines we sell and today we are a national reference in this segment of special wires and cables for industries and commerce throughout South America and the world.

And being focused on energy-related products, we acquired equipment for generating energy for hydroelectric plants on the market. New equipment specifically manufactured to produce 180 MW.

Equipment list;

2 - GE Alston generators with a capacity of 77 MW each, totaling 180 MW

3-Francis type turbines reference drop 128.8 meters. units.

Nominal unit flow: 55.4 m³, nominal unit power: 67,800 KW, maximum efficiency: 94.0%, synchronous rotation: 300 rpm total weight per unit: 1800 KN

Alstom GE power generators nominal unit: 93,750 KVA Maximum efficiency
- 98% nominal voltage 13,800 KVA - Rotor weight: 1500 KN power factor 0.80.

1.2. Photographic report - Equipment

Photographic details of the equipment immediately available for installation of the hydroelectric plant;



Project Adequacy

- All equipment is in the South America, ready for immediate delivery
- Specialized and detailed study of the entire implementation **by PSR using the World Bank's database and studies.**
- **A compatible drop was found**

It should be noted that all technical information was extracted from the technical analyzes of the World Bank, where we found technical compatibility for the fitting of our machines.

Guarantees

The manufacturer Alston/GE proposes to validate the equipment warranty.

1.3. Benefits

Today in the world, any manufacture of equipment of this same size, It would take at least 7 to 10 years for delivery, that is, there is no equipment in the world today with the same standards as those we are offering for immediate delivery. We emphasize that the generation set is the most expensive part of the entire operation, the other spare equipment will be adapted according to the drop and flow design provided later according to the specificity of the project. All technical feasibility studies,

We can indicate partners for the total execution of the work, as well as the entire scope of the executive and financial project.

2. Commercial Conditions

2.1. Based on the analyzes and offers provided for in this Proposal, the values initially presented to be agreed and paid according to the separate contract and attached to this proposal are estimated.

3. Rules and Regulations

The parties involved in this agreement are obliged to maintain the standard of absolute confidentiality.