



## **EPM installs the rotor in what will be Hidroituango' s first power generation unit**

- **This Saturday, June 18, another milestone was reached in the progress of the future Ituango hydroelectric power plant**
- **With a weight of 510 tons, the rotor is the heaviest and one of the most important part within the "turbine - generator" assembly**

Medellín, Saturday, June 18, 2022 | Today, with the assembly of the rotor, EPM meets an important milestone for the entry into operation of the first power generation unit.

Eight hours lasted the transfer and assembly of the rotor, one of the key pieces within the turbine assembly – generator, equipment responsible for generating the energy. The rotor is the heaviest equipment in this assembly and rotates at a speed of 180 rpm (revolutions per minute). Between the stator and the rotor, itself, there is a space of 28.5 millimeters, and it is in this space that the magnetic field is generated to transform mechanical energy into electrical energy. The rotor has an external diameter of 8.9 meters, a height of 2.9 meters and a total weight of 510 tons.

The assembly of all its parts, which was carried out in the south wing of the powerhouse, lasted approximately 6 months.

In all this assembly, about 300 people participated, including the consulting, auditing companies, EPM and GE (Renewable Energy), a company that has extensive experience in the manufacture of this type of elements for large hydraulic generation plants around the world.