



## 85.8% completion of the Ituango Hydroelectric Works at October 2021

- With close to 8,000 workers, the works are moving ahead at full speed to complete the first two generation units by 2022
- EPM presented a technical progress report last Tuesday at the El Espectador Forum: The Ituango Hydroelectric Project: Building Sustainability

**Bogotá, November 16, 2021** | Engineer William Giraldo Jiménez, Vice President of EPM's Ituango Project, said today that as of last October 31, the completion rate of the main works of the Ituango Hydroelectric Works stood at 85.8%. This important announcement was made to the participants of the Forum "The Ituango Hydroelectric Project: Building Sustainability", held on Tuesday, November 16 at Universidad EAN in Bogotá hosted by the newspaper El Espectador.

During his presentation, Giraldo highlighted that "the progress achieved in bringing to fruition the country's largest hydroelectric generation station demonstrates the commitment of EPM to powering the progress of the Colombian people by starting up the first two units of the Ituango Hydroelectric Project by the second half of 2022."

The El Espectador Forum was also an opportunity to clarify that this 85.8% is the completion rate of the total works, 100% of which will be achieved when the last of the project's eight (8) generation units is powered up in 2025. In total, the Ituango project will generate 2,400 MW through its eight units of 300 MW each, which will cover 17% of the country's demand for electric power.

The following is the current estimated timetable for starting up commercial operations of the eight generation units:

Units 1 and 2, second half of 2022

Units 3 and 4, in 2023





Units 5, 6 and 7 in 2024, and  
Unit 8 in 2025

During the El Espectador Forum, EPM presented both the milestones that have already been reached, and the work fronts on which the technical activities of nearly 8,000 workers of the projects are focused.

The most significant milestones reached to date in the machines house, and specifically in the works to install Units 1 and 2 following the contingency that took place in April 2018, which flooded during nearly nine months the complex of tunnels and all underground works, are related to:

- The recovery and clean-out of the main tunnels. Excavation and stabilization of the site, pouring new concrete, iron moorings and begin to install the equipment
- Installation of electro-mechanical equipment: aspiration tubes, stationary rings and spiral chambers for each unit
- Installation of 13 of the 25 power transformers for the new generation plant
- Installation of the two (2) final bridge cranes of 300 tons each
- Begin installation and laying of power cables to connect the power transformers in the machines house to the separate 500 Kva substation, from which power will be distributed throughout Colombia

Most relevant milestones in the next months:

- Continue to install the electro-mechanical equipment of generation units 1 and 2: stator, rotor and turbine
- Continue to install the power cables
- Shielding of the vertical pressure wells of units 1 and 2
- Arrival and installation in the machines room of the 12 remaining power transformers
- Underwater work to clean the intake structure that enables the flow of water from the reservoir to the turbines





## El Espectador Forum

This important forum will also discuss other topics related to the Ituango Hydroelectric Project, such as:

- ✓ Water management and quality at the Ituango Hydroelectric Project
- ✓ Fishing as a sustainable socioeconomic activity. Challenges and coordination between the authorities and the communities
- ✓ Governance, entrepreneurship and cultural preservation
- ✓ Scientific information: basis for the recovery of the basin and the formulation of country strategies based on ecosystem services.

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