

Support for modernization of the Salto Grande Binational Hydropower Complex (CHSG) (D1470)

Description:

The objective of the TC is to contribute to the preparation and subsequent execution of a new operation to be approved in June 2023 (RG-L1167: "Modernization Program of the Salto Grande Binational Hydroelectric Complex - Stage II-a") through actions that support its design, improve its management and promote digitalization and new technologies to be incorporated in the modernization program.

Submitted by:

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Status:

Under Evaluation

Category:

Operational Support

Tags:

#gender #infrastructure digitalization hydropower modernization regional integration renewable energy sustainable infrastructure

Team Leader Name

Cecilia Correa

Has the proposal been discussed and authorized by the responsible sector or country department/division, as applicable?

Yes

Team Leader Responsible Department

INE

Are there specific countries that will directly benefit from your proposal?

Yes

Mark the specific countries that will be directly benefited from your proposal?

Argentina

Uruguay

Where applicable, describe how the proposal aligns with the respective country strategy (for each country selected)

The TC is aligned with the IDB Group's Country Strategy with Argentina 2021-2023 (GN-3051), particularly with the priority area of Economic Recovery and Productive Development 4.0 by contributing to: (i) improving the quality of infrastructure; (ii) improving electricity services; (iii) increasing the share of renewable energy in the energy matrix; and (iv) reducing GHG emissions. It is also aligned with the IDB Group's Country Strategy with Uruguay 2021-2025 (GN-3056), particularly with the priority area of Sustainable Productive Development by contributing to: (i) improving the quality of infrastructure; and (ii) moving towards energy decarbonization.

Does the proposal align to one or more sector frameworks?

Yes, the proposal aligns with at least one sector framework

Identify and describe how the proposal aligns to the sector framework(s)

The TC is consistent with the Energy Sector Framework (GN-2830-8) and aligns with the pillars of: (i) Energy Sustainability, by supporting an operation that will contribute to maintaining the availability of a hydroelectric power plant that supplies renewable energy to Argentina and Uruguay; and (ii) Energy Security, by upgrading electrical interconnection infrastructure between Argentina and Uruguay.

Select the regional challenges and cross-cutting issues to which the proposal aligns to

Productivity and Innovation

Climate Change and Environmental Sustainability

Gender Equality

Diversity

Justify the alignment to each selection above

The TC includes (i) analysis to promote the inclusion of innovative elements, digitalization and adoption of new technologies in Stage II-a of modernization of the hydroelectric complex and subsequent stages. It is also aligned with the cross-cutting areas of (i) gender equality, diversity and inclusion, by contributing to the implementation of the plant's gender and PcD strategy; and (ii) climate change by promoting actions that will optimize and extend the useful life of a renewable power plant.

What is the estimated funding that you need in order to implement this proposal?

400.000

Select the expected outputs of this proposal

Project Preparation Deliverables (Implementation and Management Plans, Procurement Plans, M&E Plans, etc.)

Project Execution Deliverables (Talleres de Arranque, Supervision Reports, PIU Strengthening, etc.)

Institutional Strengthening Deliverables (Training products, Management Information Systems, etc.)

Upstream strategies, action plans, etc.)

Please provide a brief description of the output(s) selected above (The number of units planned, and the estimated cost). If you selected others, please specify.

- Studies and analyses completed that contribute to the preparation and execution of the operation (such as technical bidding documents, development of procurement plans, technical studies that support the logic of the operation).
- Gender and PcD action plan implemented.
- Development of analyses that allow defining strategic lines of action for Salto Grande such as moving towards green hydrogen or installing storage batteries.
- Training on new technologies such as hydrogen, digitalization, cybersecurity.

Outcomes: If the outputs are delivered successfully, what is the change expected (in capacity, knowledge, behavior, etc.)

- Ensure satisfactory preparation and execution of loan RG-L1167.
- Procurement processes implemented.
- New innovative interventions analyzed for inclusion in the modernization process of the Salto Grande Hydroelectric Complex.

(0) Attachments

0 Comments