

Signing of Japanese ODA Loan Agreement with India: Promoting Renewable Energy with Variable-Speed Pumped Storage Power Generation Developed in Japan

On November 2, the Japan International Cooperation Agency (JICA) signed a loan agreement with the Government of India in Delhi to provide a Japanese ODA loan of up to 29.442 billion yen for the Project for the Construction of Turga Pumped Storage (I).

Under the project, a new pumped storage power plant with variable-speed equipment will be constructed in West Bengal State to increase the peak power generation capacity and to strengthen the response capability in order to improve the power supply stability, thereby contributing to industrial development and living standard improvements in West Bengal.

A pumped storage power plant works as a large storage battery to generate power during peak demand periods and pumps from a lower dam to an upper dam during low-consumption periods such as at night. The variable-speed technology developed in Japan facilitates adjustments to the output, a feature that is suitable for renewable energy.

Details for the project are provided below.

1. Terms and Amount of Loan

Project title	Amount (million yen)	Annual interest rate (%)		Repayment period (years)	Grace period (years)	Procurement
		Project	Consulting services			
Project for the Construction of Turga Pumped Storage (I)	29,442	1.5	0.01	30	10	General untied

2. Executing Agency

West Bengal State Electricity Distribution Company Limited
 Address: Vidyut Bhavan, Block-DJ, Sector-II, Bidhannagar, Kolkata – 700091
 Phone: +91-33-2359-3313

3. Planned Implementation Schedule

- (1) Completion of project: May 2027 – when pilot operation of all the power generators is complete
- (2) Issuing of letters of invitation for consulting services (including detailed design work): January 2019
- (3) Tender announcement of initial procurement package for international competitive bidding on project construction:

Procurement package titles: Civil Works

Hydro Mechanical Equipment

Release date: September 2020



signing ceremony