



800 MW Super-critical Power Plant will be Set up in Chandrapura | Jharkhand | 12 Jun 2023

Why in News?

On 11 June 2023, Damodar Valley Corporation (DVC) chairman Ram Naresh Singh told at the director's building in Chandrapura, Jharkhand that the old units of Chandrapura Thermal are being dismantled and a new supercritical power plant is being planned to be set up. Is.

Key Points:

- DVC Chairman Ram Naresh Singh said that the survey is going on for setting up a new supercritical power plant in the state. This plant will be set up after availability of land and space for ash dyke.
- Apart from solar, battery storage and green hydrogen projects are also being brought in DVC. Work is also underway on the Green Hydrogen project. If for some reason the supercritical power plant could not be set up in Chandrapura, then there is a plan to set up a green hydrogen project. For this, sufficient water, market and steel plant is available here.
- The DVC chairman said that the dismantling of the old unit in DVC's Bokaro Thermal will also start soon. In collaboration with the World Bank, work is underway to set up solar, renewable, battery storage or green hydrogen projects instead of repurposing old units. Survey work is going on for this.
- Recently the World Bank team has also visited this place. Its DPR has been prepared and the Ministry of Power has given its consent.
- The chairman said that the power generation capacity of DVC is 7,000 MW. The production capacity from thermal power plants is 6540 MW. Presently two thermal power plants of 250 MW and 210 MW of DVC are under maintenance due to technical reasons. DVC achieved peak generation totaling 5600 MW.
- In the year 2030, the power generation capacity of DVC will be 14-15 thousand MW. This includes thermal, solar and green hydrogen projects & battery storage plants. No green field power plants will be set up in the coming time, rather new units will be established where DVC's old power plants are.
- A plant of 660 x 2 means 1320 MW capacity will be set up in Raghunathpur of the state. A supercritical plant of 800 x 2 means 1600 MW capacity will be installed in Koderma Phase II.
- Apart from these, a new power plant of 800 MW capacity will be set up in place of the Durgapur old plant. The auction of the old plant here is in process. That is, in the coming 7 years, new power plants of 3720 MW capacity will be set up. A solar plant of about 2,000 capacity will be set up.
- DVC has a total of 4 dams, which have a floating capacity of 18-19 hundred MW generation. There are also water reservoirs inside many power plants. In the coming time, 10 MW solar plant will be set up in Koderma, 30 MW from water reservoirs of four power plants, 310 MW from Tilaiya and Panchet dams, besides another eight MW capacity solar plant.
- Apart from this, a big project of pump storage is also being brought. Pumped storage plant of 1000 MW capacity will be set up in Maithon and 1500 MW in Lalpania.
- The chairman said that a pumped storage plant of 1500 MW capacity is proposed at Lugu Pahar in Lalpania. Initially, some villagers were opposed to setting up the plant here. But now we are getting positive cooperation from the villagers.