

Floating solar plant in Telangana

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In News: Telangana is all set to host India's biggest floating solar power plant.

About India's biggest floating solar power plant

- These projects are coming up at Ramagundam power project (100 MW), which will be the single location largest floating solar plant in the country as of now.
- The solar project is commissioned by the energy conglomerate National Thermal Power Corporation (NTPC).
- The solar project cost around Rs 423 cr will have 4.5 lakh photovoltaic panels.
- The solar panels will cover 450-acre areas of the reservoir.
- Aimed at reducing its carbon footprints and accelerating its green energy production to 30 percent of its capacity.

World's largest solar plant

- The world's largest solar power plant with 600 MW capacity is being set up on Omkareshwar Dam on Narmada river in Madhya Pradesh.
- The project costing Rs 3,000 cr is expected to start power generation only by 2022-23.

Largest dam-based solar project

- South Korea is building the largest dam-based floating solar power plant in the world with a capacity of 41MW.
- The project will be set up at Hapcheon dam.

NTPC

- NTPC is India's largest energy conglomerate with roots planted way back in 1975 to accelerate power development in India.
- Established itself as the dominant power major with presence in the entire value chain of the power generation business.
- From fossil fuels it has forayed into generating electricity via hydro, nuclear and renewable energy sources.
- NTPC became a Maharatna company in May 2010.
- As of January 2020, there are 10 Maharatnas CPSEs in India. NTPC is ranked No. 2 Independent Power Producer(IPP) in Platts Top 250 Global Energy Company rankings.