

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.2556
ANSWERED ON 11.08.2025

**NTPC'S RENEWABLE ENERGY INVESTMENTS AND
PROJECTS FOR STATE OF ANDHRA PRADESH**

2556 SHRI SANA SATHISH BABU:

Will the Minister of **POWER** be pleased to state:

- (a) the project-wise details of NTPC's renewable energy initiatives—operational, under construction, and planned—in State of Andhra Pradesh, including their locations, capacities, and funds allocated, released, and utilised over the last five years;
- (b) the share of capital expenditure set aside for advanced clean energy pilots over the last three years;
- (c) whether NTPC plans to upscale any demonstration-scale clean energy projects to commercial scale, and the timelines for such expansion; and
- (d) the steps taken to ensure effective implementation and local employment through these projects?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): The project-wise details of NTPC's renewable energy initiatives—operational, under construction, and planned—in State of Andhra Pradesh, including their locations, capacities, and funds allocated, released, and utilised over the last five years are given at **Annexure**.

(b): The share of capital expenditure of NTPC Ltd. set aside for Research and Development (R&D) works related to emerging technologies including advanced clean energy pilot projects over the last three years is as follows:

Financial Year (FY)	Set aside Amount (in Rs. Crores)	Capex (in Rs. Cr)	% Share of Capital Expenditure
2022-23	243.0	31985	0.8
2023-24	542.8	35971	1.5
2024-25	569.9	48595	1.2

.....**2.**

(c): The foundation stone for the Green Hydrogen Hub at Pudimadaka, Andhra Pradesh was laid by Hon'ble Prime Minister in January, 2025 for undertaking large scale projects on Green Hydrogen and its derivatives.

NTPC Ltd. has undertaken various R&D projects / pilot projects in the domain of Carbon Capture, Utilization & Storage (CCUS) and Green Hydrogen in Andhra Pradesh. Based on the evaluation and learning of these projects, NTPC Ltd shall undertake up-scaling of the demonstration projects to commercial scale.

(d) : NTPC Ltd. has taken steps for effective implementation of projects through the contracts as per the NTPC policy to different agencies for construction and erection works. These agencies give preference to local people for employment in different skill categories as per requirement at different stages of project construction.

During Operations and Maintenance (O&M) stage, local people are being given preference for carrying out different jobs at stations through contracting agencies.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2556 ANSWERED IN THE RAJYA SABHA ON 11.08.2025

NTPC's renewable energy initiatives in Andhra Pradesh

Sl. No.	Name of Projects & Location	Capacity (In MW)	Project Cost (In Rs Cr.)	Funds allocated and released in last Five (05) years (In Rs. Cr.)	Expenditure on Projects in 05 years (In Rs. Cr.)					Present Status
					FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	
1.	Simhadri Floating Solar, Visakhapatnam	25	*114.25	93.65	57.27	33.32	0.05	3.01	-	Commissioned in FY 21-22 and operational
2.	Anantapur Solar Power Project, Anantapur	250	*1,779.25	0.63	0.63	-	-	-	-	Commissioned in FY 16-17 and operational
3.	Anantapur (ONGPL), Anantapur	250	*1152	793	786	4	-	1	2	Commissioned in FY 20-21 and operational
4.	Kadappa Solar, Kadapa	250	1139	84	3	1	1	-	79	Under construction
5.	Aspari Wind - 1, Kurnool	297	807	87	-	-	-	26	61	Under construction
6.	Aspari Wind - 2, Kurnool		1552	145	-	-	-	46	99	Under construction
7.	Nemakkal Wind, Kurnool	52.8	437	131	-	-	-	12	119	Under construction
8.	Rooftop solar projects implemented in Andhra Pradesh through NVVN on Govt. Buildings	3.86	14.51	1.53	-	-	-	-	1.53	Under Construction
9.	NVVN Ground Mounted Solar Project, Visakhapatnam	1.46	5.91	0	-	-	-	-	-	Under Construction (Recently work started)
10.	Green Hydrogen Hub, Pudimadaka	This project is an integrated green hydrogen production facility for production of Green Hydrogen and its derivatives including Green Methanol, Green Urea and Sustainable Aviation Fuel. The project is in initial stages of development.								

*Note: Total project cost is inclusive of expenditure incurred before FY 20-21 and expenditure incurred in last five years.
