

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1424
ANSWERED ON 10.02.2022**

GENERATION OF GREEN ENERGY BY NTPC

1424. MS. DEBASREE CHAUDHURI:

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

- (a) whether National Thermal Power Corporation (NTPC) has entered into the arena of green energy generation apart from managing 70 power stations;**
- (b) if so, the details of green energy generated alongwith green energy projects being undertaken by NTPC, State-wise;**
- (c) the details of green energy estimated to be generated by NTPC by the end of next fiscal year; and**
- (d) the future projects of NTPC for the said purpose for the next five years?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Yes, Sir.

(b) : The details of Green Energy (Hydro + Solar + Wind + Small Hydro) generated by National Thermal Power Corporation (NTPC) group are furnished at Annexure-I. List of under implementation Green Energy projects is furnished at Annexure-II.

(c) : During the next fiscal year (2022-23), the expected Green Energy generation by NTPC group will be 19.6 Billion Units (BU) approx.

(d) : Presently, 5330 Megawatt (MW) Green Energy capacity is under tendering. The details are furnished at Annexure-II.

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1424 ANSWERED IN THE LOK SABHA ON 10.02.2022**

The State wise details of Green Energy Generation from NTPC Group stations

STATE / UT	Station	Installed Capacity (MW)	Source	2021-22 (Up to Jan' 22)
Uttar Pradesh	Dadri	5	Solar	5.17
	Singrauli	15	Solar	16.10
	Unchahar	10	Solar	9.86
	Auraiya	20	Solar	25.69
	Bilhaur	225	Solar	369.56
	Singrauli Small Hydro	08	Hydro	16.92
	THDC Dhukwan SH(JV)	24	Hydro	41.41
Uttarakhand	THDC Tehri (JV)	1000	Hydro	2615.04
	THDC Koteshwar(JV)	400	Hydro	993.67
Himachal Pradesh	Koldam	800	Hydro	2942.03
Haryana	Faridabad	5	Solar	5.47
Rajasthan	Bhadla	260	Solar	362.91
	Jetsar	80	Solar	30.35
	Fatehgarh	49.92	Solar	9.14
Gujarat	Rojmal	50	Wind	87.61
	Devbhumi (JV)	63	Wind	137.11
	Patan (JV)	50	Wind	69.84
Madhya Pradesh	Rajgarh	50	Solar	58.76
	Mandsaur	250	Solar	307.41
Odisha	Talcher	10	Solar	11.21
A & N Islands	Andaman & Nicobar	5	Solar	3.79
Assam	Kopili	225	Hydro	10.92
	Khandong	50	Hydro	274.42
Tripura	TGBPP	5	Solar	4.64
Arunachal Pradesh	Ranganadi HEP	405	Hydro	1065.82
	Pare HEP	110	Hydro	400.73
	Kameng HEP	600	Hydro	2317.27
Nagaland	Doyang HEP	75	Hydro	95.01
Mizoram	Turial HEP	60	Hydro	113.17
Telangana	Ramagundam	10	Solar	11.28
	Ramagundam (Floating)	37.5	Solar	10.03
Andhra Pradesh	Ananthapuram	250	Solar	304.73
	Simhadri (Floating)	25	Solar	20.07
Kerala	Kasargod	50	solar	70.74
NTPC Group Total Gross Green Power Generation		5282.42		12817.9

ANNEXURE-II**ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1424 ANSWERED IN THE LOK SABHA ON 10.02.2022**

STATUS OF NTPC GROUP UNDER IMPLEMENTATION GREEN ENERGY PROJECTS**A. Under Construction Projects**

Sl. No.	Project	Capacity (MW)	Source (Fuel)	State
1	Ramagundam Floating	62.5	Solar	Telangana
2	Solapur	23	Solar	Maharashtra
3	Kayamkulam Floating	92	Solar	Kerala
4	Jetsar	80	Solar	Rajasthan
5	Rihand	20	Solar	Uttar Pradesh
6	Auraiya Floating	20	Solar	Uttar Pradesh
7	CPSU: Shambhu Ka Bhurj-I	250	Solar	Rajasthan
8	CPSU: Devikot	150	Solar	Rajasthan
9	CPSU: Shambhu Ka Bhurj-II	300	Solar	Rajasthan
10	CPSU: Nokhra	300	Solar	Rajasthan
11	CPSU: Fatehgarh	246.08	Solar	Rajasthan
12	CPSU: Ettayapuram	230	Solar	Tamil Nadu
13	CPSU: Devikot	90	Solar	Rajasthan
14	CPSU: Gandhar	20	Solar	Gujarat
15	CPSU: Kawas	56	Solar	Gujarat
16	Anta	90	Solar	Rajasthan
17	Bhensada	320	Solar	Rajasthan
18	Chatargarh	150	Solar	Rajasthan
19	GUVNL-I	200	Solar	Gujarat
20	GUVNL-II	150	Solar	Gujarat
21	Wind Project: Dayapar	150	Wind	Gujarat
22	Tapovan Vishnugad	520	Hydro	Uttarakhand
23	Lata Tapovan#	171	Hydro	Uttarakhand
24	Rammam-III	120	Hydro	West Bengal
25	THDC Tehri PSP	1,000	Hydro	Uttarakhand
26	THDC Vishnugad Pipalkoti	444	Hydro	Uttarakhand
	Total	5,254.58		

#Construction activities stopped at Lata Tapovan since 08.05.2014 in line with Hon'ble Supreme Court Order dated 07.05.2014.

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B. Projects Under Tendering

Sl. No.	Project	Capacity (MW)	State where Project is being set up
1.	Solar-Nokh	735	Rajasthan
2.	Selection of Solar Power Developer with buyback option	1000	Anywhere in India
3.	Wind	300	Anywhere in India
4.	Solar EPC for Hybrid	300	Anywhere in India
5.	BoS with land for Solar (Hybrid)	300	Anywhere in India
6.	BoS package for Shajapur Solar Project	325	MP
7.	Solar BoS with land	1000	Anywhere in India
8.	Wind EPC with land	150	Anywhere in India
9.	Wind BoS with land	720	Anywhere in India
10.	Solar EPC with land in Rajasthan	500	Rajasthan
Total		5330	
