

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:1723
ANSWERED ON:07.03.2013
GROWTH PLANS OF NTPC
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Will the Minister of POWER be pleased to state:

(a) whether the National Thermal Power Corporation Limited (NTPC) is targeting massive growth plans and intends to commission new projects worth 70,000 MW and 1,00,000 MW by 2017 and 2022 respectively;

(b) if so, the details thereof;

(c) whether the NTPC also intends to enter into the hydro, solar, wind and coal mining sectors and spearheading technology induction such as super-critical, ultra critical power projects etc.; and

(d) if so, the details of the progress made towards such diversification into new ventures, since June, 2010?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER (SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) At Present, NTPC (including Joint Ventures (JVs) and Subsidiaries) has commissioned capacity of 40,174 MW. Around 10,800 MW is planned to be added during the balance period of 12th Plan, thus achieving a total of around 51,000 MW by 2017.

Further, NTPC (including JVs and Subsidiaries) has drawn a long-term Corporate Plan targeting 1,28,000 MW capacity by the year 2032, which would predominantly comprise thermal power.

(c) & (d) Diversifying its fuel mix to include hydro, nuclear, solar, etc. is a part of NTPC's long term growth strategy. At present, four hydro power projects of 1,499 MW (Koldam: 800 MW, Tapovan-Vishnugad: 520 MW, Lata Tapovan: 171 MW & Singrauli Cooling Water Discharge: 8 MW) are under implementation. Solar projects of 20 MW capacity (5 MW at Dadri, 5 MW at Andaman & Nicobar and 10 MW at Ramagundam) are under construction.

NTPC is adopting high efficiency and low CO₂ emission super critical technology and has commissioned 3 units of 660 MW at Sipat. Another 14 units of 660 MW and 5 units of 800 MW capacity are under construction.

NTPC along with Bharat Heavy Electricals Limited (BHEL) & Indira Gandhi Centre for Atomic Research (IGCAR) is also engaged in the development of Advanced Ultra Supercritical Technology for 800 MW.

The details of initiatives taken up by NTPC since June, 2010 as part of its diversification into renewable energy source and nuclear power are as follows:

JV Company Anushakti Vidhyut Nigam Ltd. has been formed between Nuclear Power Corporation of India Limited (NPCIL) and NTPC on 27.11.2010 (with 51% stake of NPCIL and 49% stake of NTPC) for establishing nuclear power projects.

Memorandum of Understanding (MoU) signed with Government of Kerala on 18.07.2011 for development of around 200 MW Wind Energy projects.

A Joint Venture company named Pan Asian Renewables has been formed on 14.10.2011 (with 50% stake of NTPC, and 25% stake each of Asian Development Bank (ADB) and Kyuden) for development of 500 MW of renewable power generation resources in India.