

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:421
ANSWERED ON:07.08.2014
SETTING UP OF GAS BASED POWER PLANTS
Kodikunnil Shri Suresh

Will the Minister of POWER be pleased to state:

- (a) the details of power plants using Naptha and diesel as feed stock along with their installed capacity and the quantum of power generated by them during each of the last three years and the current year, sector-wise;
- (b) the quantum of Naptha and diesel consumed in these plants during the said period;
- (c) whether the National Thermal Power Corporation Limited (NTPC) proposes to replace the Naptha/diesel with gas in their power plants including Kayamkulam plant in Kerala, if so, the details and present status thereof; and
- (d) whether the Government has received proposals from various States including Kerala for setting up power plants and if so, the details thereof along with the action taken by the Government thereon?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, COAL AND NEW & RENEWABLE ENERGY
(SHRI PIYUSH GOYAL)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO.421 TO BE ANSWERED IN THE LOK SABHA ON 07.08.2014 REGARDING SETTING UP OF GAS BASED POWER PLANTS.

(a) & (b) : Sector wise details of installed capacity and power generation by diesel based power plants (above 25 MW) during the last 3 years i.e. 2011-12, 2012-13 & 2013-14 and current year are given at Annex-I. The quantity of diesel consumption by such plants is not monitored by the Central Electricity Authority (CEA).

Sector wise details of installed capacity, power generation and quantum of naphtha and diesel used for power generation in Gas Turbine plants based on liquid fuel during past 3 years i.e. 2011-12, 2012-13 & 2013-14 and current year is given at Annex-II.

Further, naphtha & High Speed Diesel (HSD) are also used as alternate fuel in some gas based power plants. The detail of installed capacity, power generation and quantum of naphtha and diesel used for power generation from these plants during past 3 years i.e. 2011-12, 2012-13 & 2013- 14 and current year is given at Annex-III.

(c) : NTPC has 6 (six) gas/liquid fuel based stations. Out of these, five stations use natural gas as primary fuel and only Kayamkulam Station uses naphtha as primary fuel.

NTPC is converting its Kayamkulam Plant from naphtha firing to multi-fuel firing (including natural gas).

(d) : As per Electricity Act, 2003, no license is required for setting up of new gas based or coal based power plants by the States or by any developer. However, concurrence of CEA is required for setting up hydro power plant having capital expenditure of more than Rs.1000 crores.

CEA has received proposals/Detailed Project Reports (DPRs) of 117 Nos. hydro schemes aggregating installed capacity of 55900 MW since 2002-03 including one scheme namely Athirappilli (163 MW) of Kerala. Project-wise and state-wise details are at Annex-IV.

Out of these, 71 Nos. schemes aggregating to 38740 MW including Athirappilli of Kerala were concurred (Annex-V) and the DPRs of 27 Nos. of hydro schemes with an aggregate installed capacity 7730 MW have been returned to the project authorities for re-submission after compliance of various observations of CEA/Central Water Commission/Geological Survey of India and other appraising agencies. Details are given at Annex-VI.

The DPRs of 19 Nos. of hydro schemes with total installed capacity of 9430 MW are presently under examination in CEA. These details are at Annex-VII.

