

hydro potential at any particular site. Generally, in a particular river basin, combination of small as well as major/medium hydro projects are proposed for development, depending upon the site conditions. However, due to advantages of economy of scale and overall larger benefits in return, major/medium hydro projects (above 25 MW capacity) are more economical and preferred over smaller hydro projects.

The Ministry of New and Renewable Energy is providing technical and financial support for implementation of Small Hydro Power (SHP) Projects upto 25 MW in the country and most of the Projects are either Canal based or Run of the River Projects which do not require a dam or huge reservoirs. The potential of 20,000 MW has been identified for SHP.

(c) To meet the rising demands of power in future, 88537 MW capacity addition (excluding Renewable Energy Sources) has been planned in the 12th Plan period (2012-17), out of which 10897 MW capacity addition is planned from hydro projects. As on 30.6.2014, 1757.67 MW capacity from hydro projects has already been added in the 12th Plan.

Fuel shortage at power plants

580. SHRI D. RAJA:

SHRI M.P. ACHUTHAN:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that many of the power plants, coal-fired as well as gas-fired, are not working at full capacity due to fuel crunch;

(b) if so, the installed capacity of various power plants, both in private and public sectors and the existing capacity utilization of each plant; and

(c) what steps are being taken to ensure supply of fuel to these plants for the optimum utilization of the capacity?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) and (b) Coal based power plants, in general, are not lying idle/sub-optimally utilised on account of coal supply. However, power shortage faced by the States due to coal shortage is only to an extent of the generation loss of 120 Million Units (MUs) during 2014-15 (April to May, 2014). Power station-wise detail is given in the Statement-I (*See below*).

Further, due to non-availability of adequate fuel, existing gas-based power plants

are presently operating at very low PLF of about 23%. The installed capacity both in private and public sectors and their capacity utilization, *i.e.* Plant Load Factor (PLF) is given in the Statement-II (*See* below).

(c) The steps taken to ensure adequate availability of fuel, *inter alia*, are:

- (i) Coal India Ltd. is being asked to enhance production of domestic coal in the country.
- (ii) Power utilities have been advised to use imported coal wherever necessary.
- (iii) Central Electricity Authority is monitoring the availability of coal closely.
- (iv) Ministry of Petroleum has been impressed upon to increase allocation of gas to gas based power stations.

Statement-I

Generation loss due to coal shortage

Sl. No	Power Station	Capacity (MW)	Generation (MU)	PLF (%)	Generation loss (April- May, 2014) (MU)
State Sector					
1.	Khaperkheda-II	1340	1317	67.2	115.2
2.	Rayalseema	1050	1265	82.3	7.1
	TOTAL	2390			122.3

Statement-II*Details of gas based power stations in the country and their PLF during May, 2014*

Sl. No	Power Station	Installed Capacity (MW)	State	PLF (%)
Central Sector				
1	NTPC, Faridabad CCPP	431.59	Haryana	60.9
2	NTPC, Anta CCPP	419.33	Rajasthan	15.6
3	NTPC, Auraiya CCPP	663.36	Uttar Pradesh	21.8
4	NTPC, Dadri CCPP	829.78	Uttar Pradesh	30.3
SUB TOTAL (NR)		2344.06		
5	NTPC, Gandhar (Jhanoe)	657.39	Gujarat	57.8
6	NTPC, Kawas CCPP	656.2	Gujarat	45.1
7	Ratnagiri (RGPPL-Dhabhol)	1967	Maharashtra	0.0
SUB TOTAL (WR)		3280.59		
8	Kathalguri (NEEPCO)	291	Assam	66.1
9	Agartala GT (NEEPCO)	84	Tripura	78.4

10	Tripura CCPP (ONGC)	363.3	Tripura	39.1
SUB TOTAL (NER)		738.3		
TOTAL (CS)		6362.95		
State Sector				
11	I.P. CCPP	270	Delhi	45.6
12	Pragati CCGT-III	1500	Delhi	4.3
13	Pragati CCPP	330.4	Delhi	80.0
14	Dholpur CCPP	330	Rajasthan	38.3
15	Ramgarh (RRVUNL, Jaisalmer)	273.8	Rajasthan	24.9
SUB TOTAL (NR)		2704.2		
16	Pipavav CCPP	702	Gujarat	0.0
17	Dhuvaran CCPP (GSECL)	594.72	Gujarat	2.2
18	Hazira CCPP (GSEG)	156.1	Gujarat	13.3
19	Hazira CCPP EXT.	351	Gujarat	0.0
20	Utran CCPP (GSECL)	518	Gujarat	0.0
21	Utran CCPP (MAHAGENCO)	672	Maharashtra	78.0
SUB TOTAL (WR)		2993.82		

Written Answers to

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Sl. No	Power Station	Installed Capacity (MW)	State	PLF (%)
22	Karaikal CCPP (PPCL)	32.5	Puducherry	28.4
23	Kovikalpal (TIRUMAKOTTAI)	107	Tamil Nadu	42.9
24	Kuttalam (TANGEDCO)	100	Tamil Nadu	75.1
25	Valuthur CCPP (Ramanand)	186.2	Tamil Nadu	70.8
	SUB TOTAL (SR)	425.7		
26	Lakwa GT (ASEB, Maibella)	157.2	Assam	70.5
27	Namrup CCPP + ST (APGCL)	119	Assam	56.7
28	Baramura GT (TSECL)	58.5	Tripura	59.7
29	Rokhia GT (TSECL)	111	Tripura	47.4
	SUB TOTAL (NER)	445.7		
	TOTAL (SS)	6569.42		
Pvt. Sector				
30	Vatwa CCPP (TORRENT)	100	Gujarat	0.0
31	Trombay CCPP (TPC)	180	Maharashtra	98.1
	SUB TOTAL (WR)	280		

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Unstarred Questions

Pvt. IPP Sector

32	Rithala CCPP (NDPL)	108	Delhi	0.0
	SUB TOTAL (NR)	108		
33	Baroda CCPP (GIPCL)	160	Gujarat	5.5
34	Essar CCPP**	300	Gujarat	0.0
35	Peguthan CCPP (GTEC)	655	Gujarat	4.4
36	Sugen CCPP (TORRENT)	1147.5	Gujarat	25.0
37	UNOSUGEN CCPP	382.5	Gujarat	0.0
38	DGEN Mega CCPP	1200	Gujarat	0.0
	SUB TOTAL (WR)	3845		
39	Gautami CCPP	464	Andhra Pradesh	0.0
40	GMR - Kakinada (Tanirvavi)	220	Andhra Pradesh	0.0
41	Godavari (SPECTRUM)	208	Andhra Pradesh	53.8
42	Jegurupadu CCPP (GVK)	455.4	Andhra Pradesh	22.0
43	Konaseema CCPP	445	Andhra Pradesh	0.0
44	Kondapalli Extn. CCPP	366	Andhra Pradesh	0.0
45	Kondapalli CCPP (LANCO)	350	Andhra Pradesh	51.7

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Sl. No	Power Station	Installed Capacity (MW)	State	PLF (%)
46	Peddapuram (BSES)	220	Andhra Pradesh	16.0
47	Vemagiri CCPP	370	Andhra Pradesh	0.0
48	Vijeswaran CCPP	272	Andhra Pradesh	50.0
49	Sriba Industries	30	Andhra Pradesh	
50	RVK Energy	28	Andhra Pradesh	
51	Silk Road Sugar	35	Andhra Pradesh	
52	LVS Power	55	Andhra Pradesh	
53	Karuppur CCPP (ABAN)	119.8	Tamil Nadu	82.4
54	P. Nallur CCPP (PPN)	330.5	Tamil Nadu	57.9
55	Valantarvy CCPP	52.8	Tamil Nadu	81.0
	SUB TOTAL (SR)	4021.5		
56	DLF Assam GT	24.5	Assam	0.0
	SUB TOTAL (NER)	24.5		
	TOTAL (Pvt. IPP S)	7999		
	TOTAL (Pvt.)	8279		
	GRAND TOTAL	21211.37		23.2

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Written Answers to

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