

Action plan for implementing National Grid Mission

895. SHRI RAM KUMAR KASHYAP: Will the Minister of POWER be pleased to state:

(a) whether Government has asked all the State Governments to provide an action plan for implementation of National Grid Mission;

(b) if so, the number of States which have responded to this Mission and the number of projects sent by the State Governments;

(c) whether Government has also initiated projects under this Mission; and

(d) if so, the details thereof and the financial implications of the Mission?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) to (d) No, Sir. There is no 'National Grid Mission' programme under Ministry of Power. However, 'National Smart Grid Mission' (NSGM) has been approved by Government of India in March, 2015 and the States have been requested to submit Detailed Project Reports (DPRs) for Smart Grid projects to be implemented under the NSGM. DPRs from the States of Maharashtra, Orissa and Goa have been received recently.

Power situation

896. SHRI AHMED PATEL: Will the Minister of POWER be pleased to state:

(a) the power surplus and deficit States in the country during the last three years;

(b) whether Government plans to provide electricity for all by 2022 and if so, the details thereof;

(c) what would be the cost of providing electricity for all by 2022 and the manner in which this would be funded; and

(d) what impact this would have in achievement of the country's target to tackle emissions and cut intensity by about one-third by 2030 from 2005 levels?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) The details of power supply position indicating surplus/deficit status in different States/UTs during the last three year are given in Statement (*See* below).

(b) Government of India has taken a joint initiative with respective State Governments for preparation of State Specific Documents for providing 24x7 Power

for all (PFA) to all. Government of India would assist the State Governments in achieving this objective.

(c) Total cost for providing electricity to all consumers would be estimated after finalization of the 24x7 Power for All documents for all the States. The funds would be arranged by the States/UTs from their own resources, loans from financial Institutions or Multi lateral agencies and partly through schemes of Government of India.

(d) In order to reduce the adverse impact of emission from incremental electricity generation required for providing electricity for all, Government has planned to scale upto 175 Giga Watt (GW) generation capacity from clean, Renewable Energy Sources by 2022. Further, the future coal fired power plants would be installed based on Supercritical or Ultra-Supercritical technology having lesser Carbon Dioxide (CO₂) emission.

Statement

Power Supply Position for 2012-13

State/System/Region	Energy				Peak			
	April, 2012 - March, 2013				April, 2012 - March, 2013			
	Requirement	Availability	Surplus/Deficit(-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,637	1,637	0	0	340	340	0	0
Delhi	26,088	25,950	-138	-0.5	5,942	5,642	-300	-5.0
Haryana	41,407	38,209	-3,198	-7.7	7,432	6,725	-707	-9.5
Himachal Pradesh	8,992	8,744	-248	-2.8	2,116	1,672	-444	-21.0
Jammu and Kashmir	15,410	11,558	-3,852	-25.0	2,422	1,817	-605	-25.0
Punjab	48,724	46,119	-2,605	-5.3	11,520	8,751	-2,769	-24.0
Rajasthan	55,538	53,868	-1,670	-3.0	8,940	8,515	-425	-4.8
Uttar Pradesh	91,647	76,446	-15,201	-16.6	13,940	12,048	-1,892	-13.6
Uttarakhand	11,331	10,709	-622	-5.5	1,759	1,674	-85	-4.8
Northern Region	3,00,774	2,73,240	-27,534	-9.2	45,860	41,790	-4,070	-8.9
Chhattisgarh	17,302	17,003	-299	-1.7	3,271	3,134	-137	-4.2
Gujarat	93,662	93,513	-149	-0.2	11,999	11,960	-39	-0.3

Madhya Pradesh	49,226	44,272	-4,954	-10.1	10,077	9,462	-615	-6.1
Maharashtra	1,23,984	1,19,972	-4,012	-3.2	17,934	16,765	-1,169	-6.5
Daman and Diu	1,991	1,860	-131	-6.6	311	286	-25	-8.0
Dadar and Nagar Haveli	4,572	4,399	-173	-3.8	629	629	0	0.0
Goa	3,181	3,107	-74	-2.3	524	475	-49	-9.4
Western Region	2,93,918	2,84,126	-9,792	-3.3	40,075	39,486	-589	-1.5
Andhra Pradesh	99,692	82,171	-17,521	-17.6	14,582	11,630	-2,952	-20.2
Karnataka	66,274	57,044	-9,230	-13.9	10,124	8,761	-1,363	-13.5
Kerala	21,243	20,391	-852	-4.0	3,578	3,262	-316	-8.8
Tamil Nadu	92,302	76,161	-16,141	-17.5	12,736	11,053	-1,683	-13.2
Puducherry	2,331	2,291	-40	-1.7	348	320	-28	-8.0
Lakshadweep	36	36	0	0	8	8	0	0
Southern Region	2,81,842	2,38,058	-43,784	-15.5	38,767	31,586	-7,181	-18.5
Bihar	15,409	12,835	-2,574	-16.7	2,295	1,784	-511	-22.3
DVC	17,299	16,339	-960	-5.5	2,573	2,469	-104	-4.0
Jharkhand	7,042	6,765	-277	-3.9	1,263	1,172	-91	-7.2
Odisha	25,155	24,320	-835	-3.3	3,968	3,694	-274	-6.9
West Bengal	42,143	41,842	-301	-0.7	7,322	7,249	-73	-1.0

1	2	3	4	5	6	7	8	9
Sikkim	409	409	0	0.0	95	95	0	0.0
Andaman-Nicobar	241	186	-55	-23	48	48	0	0
Eastern Region	1,07,457	1,02,510	-4,947	-4.6	16,655	15,415	-1,240	-7.4
Arunachal Pradesh	589	554	-35	-5.9	116	114	-2	-1.7
Assam	6,495	6,048	-447	-6.9	1,197	1,148	-49	-4.1
Manipur	574	543	-31	-5.4	122	120	-2	-1.6
Meghalaya	1,828	1,607	-221	-12.1	334	330	-4	-1.2
Mizoram	406	378	-28	-6.9	75	73	-2	-2.7
Nagaland	567	535	-32	-5.6	110	109	-1	-0.9
Tripura	1,108	1,054	-54	-4.9	229	228	-1	-0.4
North-Eastern Region	11,566	10,718	-848	-7.3	1,998	1,864	-134	-6.7
ALL INDIA	9,95,557	9,08,652	-86,905	-8.7	1,35,453	1,23,294	-12,159	-9.0

#Lakshadweep and Andaman & Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and availability

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position for 2013-14

State/System/Region	Energy				Peak			
	April, 2013 - March, 2014				April, 2013 - March, 2014			
	Requirement	Availability	Surplus/Deficit(-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,574	1,574	0	0	345	345	0	0
Delhi	26,867	26,791	-76	-0.3	6,035	5,653	-382	-6.3
Haryana	43,463	43,213	-250	-0.6	8,114	8,114	0	0.0
Himachal Pradesh	9,089	8,883	-206	-2.3	1,561	1,392	-169	-10.8
Jammu and Kashmir	15,613	12,187	-3,426	-21.9	2,500	1,998	-502	-20.1
Punjab	47,821	47,084	-737	-1.5	10,089	8,733	-1,356	-13.4
Rajasthan	58,202	58,042	-160	-0.3	10,047	10,038	-9	-0.1
Uttar Pradesh	94,890	81,613	-13,277	-14.0	13,089	12,327	-762	-5.8
Uttarakhand	11,944	11,493	-451	-3.8	1,826	1,826	0	0.0
Northern Region	3,09,463	2,90,880	-18,583	-6.0	45,934	42,774	-3,160	-6.9
Chhattisgarh	18,932	18,800	-132	-0.7	3,365	3,320	-45	-1.3
Gujarat	88,497	88,488	-9	0.0	12,201	12,201	0	0.0
Madhya Pradesh	49,410	49,385	-25	-0.1	9,716	9,716	0	0.0

Written Answers to

[7 December, 2015]

Unstarred Questions 283

1	2	3	4	5	6	7	8	9
Maharashtra	1,26,288	1,23,672	-2,616	-2.1	19,276	17,621	-1,655	-8.6
Daman and Diu	2,252	2,252	0	0.0	322	297	-25	-7.8
Dadar and Nagar Haveli	5,390	5,388	-2	0.0	661	661	0	0.0
Goa	3,890	3,871	-19	-0.5	529	529	0	0.0
Western Region	2,94,659	2,91,856	-2,803	-1.0	41,335	40,331	-1,004	-2.4
Andhra Pradesh	95,662	89,036	-6,626	-6.9	14,072	13,162	-910	-6.5
Karnataka	64,150	58,052	-6,098	-9.5	9,940	9,223	-717	-7.2
Kerala	21,577	21,052	-525	-2.4	3,671	3,573	-98	-2.7
Tamil Nadu	93,508	87,980	-5,528	-5.9	13,522	12,492	-1,030	-7.6
Puducherry	2,344	2,320	-24	-1.0	351	333	-18	-5.1
Lakshadweep	48	48	0	0	9	9	0	0
Southern Region	2,77,245	2,58,444	-18,801	-6.8	39,015	36,048	-2,967	-7.6
Bihar	15,391	14,759	-632	-4.1	2,465	2,312	-153	-6.2
DVC	17,407	17,296	-111	-0.6	2,745	2,745	0	0.0
Jharkhand	7,143	7,007	-136	-1.9	1,111	1,069	-42	-3.8
Odisha	24,958	24,546	-412	-1.7	3,727	3,722	-5	-0.1
West Bengal	42,891	42,762	-129	-0.3	7,325	7,294	-31	-0.4

Sikkim	413	413	0	0.0	90	90	0	0.0
Andaman-Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	1,08,203	1,06,783	-1,420	-1.3	15,888	15,598	-290	-1.8
Arunachal Pradesh	552	517	-35	-6.3	125	124	-1	-0.8
Assam	7,544	7,062	-482	-6.4	1,329	1,220	-109	-8.2
Manipur	579	548	-31	-5.4	134	133	-1	-0.7
Meghalaya	1,794	1,604	-190	-10.6	343	330	-13	-3.8
Mizoram	446	430	-16	-3.6	84	82	-2	-2.4
Nagaland	577	561	-16	-2.8	109	106	-3	-2.8
Tripura	1,195	1,144	-51	-4.3	254	250	-4	-1.6
North-Eastern Region	12,687	11,866	-821	-6.5	2,164	2,048	-116	-5.4
ALL INDIA	10,02,257	9,59,829	-42,428	-4.2	1,35,918	1,29,815	-6,103	-4.5

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability.

Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position for 2014-15

State/System/Region	Energy				Peak			
	April, 2014 - March, 2015				April, 2014 - March, 2015			
	Requirement	Availability	Surplus/Deficit(-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,616	1,616	0	0	367	367	0	0
Delhi	29,231	29,106	-125	-0.4	6,006	5,925	-81	-1.3
Haryana	46,615	46,432	-183	-0.4	9,152	9,152	0	0.0
Himachal Pradesh	8,807	8,728	-79	-0.9	1,422	1,422	0	0.0
Jammu and Kashmir	16,214	13,119	-3,095	-19.1	2,554	2,043	-511	-20.0
Punjab	48,629	48,144	-485	-1.0	11,534	10,023	-1,511	-13.1
Rajasthan	65,717	65,310	-407	-0.6	10,642	10,642	0	0.0
Uttar Pradesh	1,03,179	87,062	-16,117	-15.6	15,670	13,003	-2,667	-17.0
Uttarakhand	12,445	12,072	-373	-3.0	1,930	1,930	0	0.0
Northern Region	3,32,453	3,11,589	-20,864	-6.3	51,977	47,642	-4,335	-8.3
Chhattisgarh	21,499	21,230	-269	-1.3	3,817	3,638	-179	-4.7
Gujarat	96,235	96,211	-24	0.0	13,603	13,499	-104	-0.8
Madhya Pradesh	53,374	53,082	-292	-0.5	9,755	9,717	-38	-0.4

Maharashtra	1,34,897	1,33,078	-1,819	-1.3	20,147	19,804	-343	-1.7
Daman and Diu	2,086	2,086	0	0.0	301	301	0	0.0
Dadar Nagar Haveli	5,307	5,304	-3	-0.1	714	714	0	0.0
Goa	3,969	3,932	-37	-0.9	501	489	-12	-2.4
Western Region	3,17,367	3,14,923	-2,444	-0.8	44,166	43,145	-1,021	-2.3
Andhra Pradesh	59,198	56,313	-2,885	-4.9	7,144	6,784	-360	-5.0
Telangana	43,337	40,644	-2,693	-6.2	7,884	6,755	-1,129	-14.3
Karnataka	62,643	59,926	-2,717	-4.3	10,001	9,549	-452	-4.5
Kerala	22,459	22,127	-332	-1.5	3,760	3,594	-166	-4.4
Tamil Nadu	95,758	92,750	-3,008	-3.1	13,707	13,498	-209	-1.5
Puducherry	2,402	2,376	-26	-1.1	389	348	-41	-10.5
Lakshadweep	48	48	0	0	8	8	0	0
Southern Region	2,85,797	2,74,136	-11,661	-4.1	39,094	37,047	-2,047	-5.2
Bihar	19,294	18,759	-535	-2.8	2,994	2,874	-120	-4.0
DVC	18,222	17,728	-494	-2.7	2,653	2,590	-63	-2.4
Jharkhand	7,599	7,390	-209	-2.8	1,075	1,055	-20	-1.9
Odisha	26,482	26,052	-430	-1.6	3,920	3,892	-28	-0.7
West Bengal	47,086	46,827	-259	-0.6	7,544	7,524	-20	-0.3
Sikkim	399	399	0	0.0	83	83	0	0.0

1	2	3	4	5	6	7	8	9
Andaman-Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	1,19,082	1,17,155	-1,927	-1.6	17,040	16,932	-108	-0.6
Arunachal Pradesh	677	610	-67	-9.9	139	126	-13	-9.4
Assam	8,527	7,926	-601	-7.0	1,450	1,257	-193	-13.3
Manipur	705	678	-27	-3.8	150	146	-4	-2.7
Meghalaya	1,930	1,634	-296	-15.3	370	367	-3	-0.8
Mizoram	455	425	-30	-6.6	90	88	-2	-2.2
Nagaland	688	661	-27	-3.9	140	128	-12	-8.6
Tripura	1,242	1,048	-194	-15.6	310	266	-44	-14.2
North-Eastern Region	14,224	12,982	-1,242	-8.7	2,528	2,202	-326	-12.9
All India	10,68,923	10,30,785	-38,138	-3.6	1,48,166	1,41,160	-7,006	-4.7

Lakshadweep and Andaman and Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability.

NOTE: Energy figures for Andhra Pradesh includes the figures of undivided Andhra Pradesh (including Telangana area) for the period Apr-May,2014. Energy figures of Telangana are w.e.f. June 2014. Peak figures for Andhra Pradesh and Telangana are w.e.f. June, 2014. This is due to bifurcation of Andhra Pradesh into Andhra Pradesh and Telangana w.e.f. June, 2014.