

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
STARRED QUESTION NO.164
ANSWERED ON 09.05.2016

UJWAL DISCOM ASSURANCE YOJANA

*164. SHRI SALIM ANSARI:

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

- (a) whether Government has launched Ujwal Discom Assurance Yojana (UDAY) to turn around highly indebted State power distribution and generation companies; and
- (b) if so, the details in this regard?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) & (b) OF STARRED QUESTION NO.164 ANSWERED IN THE RAJYA SABHA ON 09.05.2016 REGARDING UJWAL DISCOM ASSURANCE YOJANA.

(a) & (b) : Yes, Sir. The Government of India has launched Ujwal DISCOM Assurance Yojana (UDAY) on 20-11-2015 for the financial and operational turnaround of state-owned Power Distribution Companies (DISCOMs). The scheme envisages that States take over 75% of DISCOM debt as on 30th September, 2015 over two years – 50% of DISCOM debt shall be taken over in FY 2015-16 and the remaining 25% in FY 2016-17.

The scheme aims to reduce interest burden, reduce the cost of power, reduce power losses in Distribution sector and improve operational efficiency of DISCOMs. The scheme also incentivizes the States by exempting State takeover of DISCOM debts from Fiscal Responsibility and Budget Management (FRBM) limits for two years; increased supply of domestic coal; coal linkage rationalization; liberally allowing coal swaps from inefficient to efficient plants; allocation of coal linkages to States at notified prices and additional/priority funding in schemes of Ministry of Power and Ministry of New & Renewable Energy, if they meet the operational milestones in the scheme.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1675
ANSWERED ON 09.05.2016

CLOSURE OF RGGVY

1675. SHRI RIPUN BORA:

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

- (a) the reasons for closure of the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY);
- (b) the progress and achievements of RGGVY in electrifying villages of the country from the year of its launch till its closure, State-wise; and
- (c) what alternate programme Government has undertaken to provide electricity to the remaining villages of the country?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) has been subsumed in Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY). DDUGJY provides complete flexibility with wider scope as there is no minimum population criterion as well as there is 100% subsidy for Project Management Agency. Further, under DDUGJY, the Gram Panchayats, which are covered under Sansad Adarsh Gram Yojana (SAGY), are necessarily to be covered in Detailed Project Reports (DPRs) and also all DISCOMs, irrespective of their ownership, are covered.

(b) : The State-wise achievement under the scheme is given at **Annex**.

(c) : Government of India has approved Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 with a total amount of Rs. 43033 crore consisting of separation of agriculture and non-agriculture feeders, strengthening and augmentation of sub-transmission & distribution infrastructure in rural areas including metering at distribution transformers/feeders/consumers and Rural electrification.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1675 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

State-wise achievements of un-electrified villages under DDUGJY.		
Sr. No.	States	Cumulative Achievement as on 31.03.2016
1	Arunachal Pradesh	2252
2	Assam	9153
3	Bihar	25040
4	Chhattisgarh	1692
5	Himachal Pradesh	91
6	Jammu & Kashmir	239
7	Jharkhand	18212
8	Karnataka	55
9	Madhya Pradesh	998
10	Manipur	883
11	Meghalaya	1842
12	Mizoram	170
13	Nagaland	102
14	Odisha	15644
15	Rajasthan	4304
16	Sikkim	25
17	Tripura	150
18	Uttar Pradesh	29113
19	Uttarakhand	1514
20	West Bengal	4192
	Total	115671

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1676
ANSWERED ON 09.05.2016

NEW POWER PLANTS IN KERALA

1676. SHRI ABDUL WAHAB:

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

- (a) whether there is any proposal to set up some power plants in Kerala; and
- (b) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : After enactment of Electricity Act 2003, generation of electricity has been delicensed. As such, Techno-Economic Clearance of Central Electricity Authority (CEA) is not required for thermal power projects. Proposals for thermal power projects including those from Kerala are not being received in CEA.

One Hydro electric project namely, Athirapally HEP (2X80 +2X1.5=163 MW) in Kerala under State Sector was concurred by CEA on 31.3.2005, which has not been taken up for construction by the utility concerned.

Two hydro electric projects, viz. Thottiyar (40 MW) and Pallivasal (60 MW) of KSEB are under construction in Kerala.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1677
ANSWERED ON 09.05.2016

STATUS OF RAMAGUNDAM STAGE-IV POWER PROJECT

1677. SHRI PALVAI GOVARDHAN REDDY:

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

- (a) the status of Ramagundam Stage- IV(2x800 MW) power project in Karimnagar district of Telangana and by when it is likely to be commissioned;
- (b) the manner in which the power generated in this plant would be shared by the Central and State Governments along with the cost of power payable by Telangana Government to NTPC; and
- (c) the details of findings of Environment Impact Assessment (EIA) report of this project and the action taken to implement the report?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : NTPC's 2 x 800 MW Telangana Super Thermal Power Project (STPP) Phase-I [formerly Ramagundam Stage-IV (2x660 MW)] is being constructed in the project premises of NTPC's existing Ramagundam Super Thermal Power Station. The investment approval for Telangana Phase-I project was accorded on 29.01.2016 and the Main Plant Packages were awarded on 05.02.2016.

(b) : Ministry of Power has proposed to allocate 85% power to the State of Telangana. As per Section 62 of the Electricity Act, 2003, tariff for the project will be determined by Central Electricity Regulatory Commission (CERC) after completion of the project.

(c) : The key findings of Environment Impact Assessment (EIA) report for Telangana Phase-I project are enclosed at **Annex**. The detailed EIA Report was submitted to Ministry of Environment, Forests and Climate Change for appraisal, based on which environmental clearance for the project has been accorded.

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1677 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

Key Findings of the EIA Report of Telangana STPP, Stage -I (2x800 MW)
(Earlier named as Ramagundam STPP, Stage-IV)

Environment Impact Assessment (EIA) Study was undertaken by NTPC based on Terms of Reference by Ministry of Environment Forests & Climate Change (MoEF&CC). The findings are as follows:

1. The quality of various environmental attributes at the time of the study was within the normal limits and the construction and operation of the project is not likely to have significant impact on environment.
2. The land for the project is already in possession of NTPC and water for the project has been allocated by State Govt. considering the availability to other users. Therefore, it is not likely to have an impact on environment.
3. As the land is already in possession of NTPC, there are no issues related to Rehabilitation and Resettlement. However, NTPC will undertake Community Development activities under Corporate Social Responsibility for the local people.
4. NTPC has envisaged various pollution control systems for the control of air, water and noise pollution from the project. With the implementation of these systems, the quality of air, water and noise environment shall be within acceptable standards.
5. All necessary safety equipment and medical facilities shall be provided to the workers. A disaster management plan has also been proposed in EIA Report, which shall be implemented at site to manage any emergency situation.
6. A plan for use of ash generated from the project in cement, concrete, brick, blocks, tiles, construction works etc. has been made and the same shall be implemented at site. For safe disposal of unused ash, an ash dyke is proposed to be constructed.
7. NTPC has taken up afforestation programme in several areas, within as well as outside the plant. Similar efforts shall be continued in Telangana STPP also in all available spaces.
8. NTPC shall undertake regular environmental activities and submit the results of the monitoring to Telangana State Pollution Control Board (TSPCB) and regional office of MoEF&CC.
9. Development of this project shall have major beneficial impact/ effects in terms of bridging the gap between power demand and supply and providing employment opportunities for people.
10. In view of considerable benefits from the project without any major adverse environmental impact, the proposed project is advantageous to the power deficit region as well as to the nation.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1678
ANSWERED ON 09.05.2016

DISCREPANCY IN DATA AVAILABLE ON GARV APP

1678. PROF. M.V. RAJEEV GOWDA:

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

- (a) whether the Ministry has launched an investigation into the discrepancies in real-time data provided on GARV app for the Deen Dayal Upadhyaya Gram Jyoti Yojana;
- (b) if so, the details thereof;
- (c) whether the Ministry has any plans of revising its monitoring system for rural electrification consisting of Gram Vidyut Abhiyantas (GVAs) to avoid incorrect data being uploaded on GARV; and
- (d) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : The data regarding rural electrification including electrification of villages is reported by the concerned State Governments and State Distribution Companies (DISCOMs) and the same is uploaded on mobile App GARV. Rural Electrification Corporation (REC), being the Nodal Agency for operationalization of Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), has deployed Gram Vidyut Abhiyantas (GVAs) who visit villages and report the situation. If any discrepancy is found, States/DISCOMs are advised by REC to rectify the status.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1679
ANSWERED ON 09.05.2016

UNIFORMITY IN RATES OF ELECTRICITY

†1679. SHRI PRABHAT JHA:

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

- (a) whether it is a fact that different rates of electricity are in force in various parts of the country and there is a need to bring uniformity in them;
- (b) if so, the details thereof;
- (c) whether Government is working upon a scheme to provide electricity at a single rate under a single grid across the country; and
- (d) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : Yes, Sir. Different rates of electricity are in force in various parts of the country as the cost of generation in power stations varies as it depends upon parameters like type of fuel, source of fuel, location of plant, life of plant, size of the unit, technology of the plant and plant efficiency. Different States procure power at different rates depending on the Power Purchase Agreements (PPAs).

As per information made available by the Central Electricity Authority (CEA), the estimated average rates of electricity for various category of consumers, State-wise, is given in **Annex**.

(c) & (d) : Tariff is determined under Sections 61 to 64 of the Electricity Act, 2003 by the Appropriate Regulatory Commission in line with the provisions of the Act and the policies made thereunder. Whereas the tariff for generation and transmission companies owned or controlled by Central Government is regulated by the Central Electricity Regulatory Commission, the tariff for generation, supply and transmission within the State is determined by the State Electricity Regulatory Commissions. Similarly, the State/Joint Electricity Regulatory Commissions (SERCs/JERCs) notify the terms and conditions of tariff fixation from time to time for both public and private distribution licensees. Section 61 of the Act provides for guiding principles which the Appropriate Commission is required to consider for specifying the terms and conditions of tariff. There is no provision for direct regulation of the electricity tariff by the Government of India.

There is no scheme to provide electricity at a single grid across the country. However, all India synchronous National Grid has been established enabling the grid to operate as "One Nation - One Grid – One Frequency". Further, increase in transmission network will ensure seamless flow of electricity through the country. With increase power availability across the country and increase in the transmission thereby removing the bottlenecks, the power economy may move towards 'one price'.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1679 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

STATEMENT SHOWING ESTIMATED AVERAGE RATES OF ELECTRICITY (upto 01.04.2015)																			
																		(Rates in Paise/KWh)	
S. No.	Name of Utility	Tariff effective from	Domestic 1KW (100 KWh/ Month)	Domestic 4KW (400 KWh/ Month)	Domestic 10KW (1000 KWh/ Month)	Commercial 2KW (300 KWh/ Month)	Commercial 10KW (1500 KWh/ Month)	Commercial 30KW (4500 KWh/ Month)	Commercial 50KW (7500 KWh/ Month)	Agriculture 2HP (400 KWh/ Month)	Agriculture 5HP (1000 KWh/ Month)	Agriculture 10HP (2000 KWh/ Month)	Small Industry 10KW (1500 KWh/ Month)	Medium Industry 50KW (7500 KWh/ Month)	Large Industry (11KV) 1000KW 60%L.F. (438000 KWh/ Month)	Heavy Industry (11KV) 10000KW 60%L.F. (4380000 KWh/ Month)	Heavy Industry (33KV) 20000KW 60%L.F. (8760000 KWh/ Month)	Railway Traction 12500KW (2500000 KWh/ Month)	
1	Andhra Pradesh	01.04.2014	238.50	572.00	730.20	828.17	920.83	941.83	946.03	79.38	74.88	73.38	662.02	649.75	693.53	693.30	648.02	669.52	
2	Assam	01.12.2013	398.00	556.90	615.00	698.33	698.33	700.20	700.20	396.19	396.19	527.55	460.67	602.43	557.68	557.68	557.68		
3	Bihar	01.04.2014	360.40	446.53	539.54	628.93	610.56	606.32	605.47	174.00	174.00	174.00	647.62	708.40	676.80	-	645.00	745.53	
			227.90			286.20				114.00	114.00	114.00						729.63	
4	Chhattisgarh	01.07.2014	291.60	410.40	591.84	522.67	686.93	726.76	734.72	250.00	250.00	250.00	423.84	511.38	579.93	579.93	566.40	636.11	
5	Gujarat	01.05.2014	405.38	511.75	568.10	568.75	568.75	622.92	640.00	190.00	190.00	190.00	568.33	573.47	567.91	620.76	620.44	578.89	
			335.94	439.41	496.11														
6	Haryana	01.04.2014	393.00	475.13	613.00	600.00	625.00	765.00	765.00	10.00	10.00	10.00	650.00	763.33	548.29	548.29	559.94	571.10	
7	Himachal Pradesh	01.08.2014	175.10	275.53	354.32	559.80	539.64	628.00	628.00	123.75	115.50	112.75	509.32	648.70	627.66	704.19	625.40	694.44	
8	Jammu & Kashmir	01.07.2014	186.03	290.25	350.28	401.98	631.54	632.09	632.20	82.35	82.35	82.35	404.23	404.23	427.26	427.26	415.78		
9	Jharkhand	01.08.2012	300.00	301.50	313.00	666.67	670.67	671.33	671.47	62.00	62.00	62.00	611.18	611.18	440.13	440.13	427.07	684.41	
			185.00			200.00													
10	Karnataka	01.05.2014	409.16	600.49	659.96	832.10	846.23	848.39	849.06	0.00	0.00	0.00	609.65	716.53	690.62	699.33	697.70	678.40	
			373.12	549.08	601.23	772.03	786.17	788.52	788.99				577.85	683.73	674.45	680.99	679.23		
11	Kerala	16.08.2014	350.00	691.00	845.00	854.00	1063.00	1103.00	1103.00	222.98	222.98	222.98	638.67	655.33	606.10	606.10	-	618.89	
12	Madhya Pradesh	01.06.2014	466.13	654.80	722.12	748.75	754.00	754.88	755.05	335.00	330.25	367.63	538.67	741.67	702.81	702.81	713.54	647.22	
			438.88	637.89	698.16	729.75	734.87	735.72	735.89				480.22	661.73					
13	Maharashtra	01.08.2012	432.40	709.65	879.75	865.22	963.81	1160.15	1160.15	220.00	220.00	220.00	573.35	877.05	824.63	824.63	-	781.00	
															750.51	750.51			
14	Meghalaya	01.04.2013	300.00	367.50	396.00	529.33	540.00	541.78	542.13	185.92	185.92	185.92	471.67	471.67	488.86	488.73	473.70	-	
15	Orissa	01.04.2014	327.60	445.90	515.32	606.67	695.41	710.20	713.16	112.20	112.20	112.20	561.60	572.40	606.79	606.74	606.74	640.88	
16	Punjab	01.04.2014	574.04	719.81	767.95	896.09	900.31	901.10	901.15	515.28	515.28	515.28	779.32	820.76	747.71	747.71	834.57	932.75	
17	Rajasthan	07.05.2015	582.50	571.88	587.25	730.00	754.00	772.44	774.80	404.50	404.50	404.50	594.68	643.62	650.51	-	627.09	627.78	
18	Tamil Nadu	12.12.2014	160.00	513.75	601.50	816.38	839.48	843.33	844.10	0.00	0.00	0.00	669.20	667.24	759.98	770.48	759.98	801.67	
19	Uttar Pradesh	10.04.2014	480.00	505.00	545.00	738.33	778.33	785.00	786.33	435.00	435.00	435.00	755.00	755.00	761.04	761.04	723.32	858.82	
			275.00	275.00	275.00	298.33	298.33	298.33	298.33	122.50	122.50	122.50	642.50	642.50	647.63	647.63		858.82	
20	Uttarakhand	01.04.2014	284.00	317.25	351.80	493.33	493.33	570.13	570.13	125.00	125.00	125.00	461.60	486.67	521.05	521.05	521.05	494.12	
21	West Bengal	01.04.2013	541.36	741.04	838.35	785.02	919.36	935.80	939.09	392.29	392.29	392.29	687.96	811.93	836.53	836.53	802.03	804.11	
			527.51	727.88	833.09	783.33	919.01	935.68	939.02				673.61	791.16				782.11	
22	Arunachal Pradesh	01.04.2014	400.00	400.00	400.00	500.00	500.00	500.00	500.00	310.00	310.00	310.00	420.00	420.00	375.00	375.00	340.00	-	
23	Goa	01.04.2014	160.00	221.88	288.25	441.67	481.00	507.00	512.20	140.00	140.00	140.00	330.00	390.00	450.74	450.74	450.74	-	
24	Manipur	01.09.2012	302.20	422.20	422.20	442.20	484.87	476.27	476.27	274.58	274.58	274.58	292.20	406.27	407.57	407.57	-	-	

25	Mizoram	01.04.2014	280.00	408.75	448.50	466.67	541.33	553.78	556.27	182.46	182.46	182.46	443.33	443.33	426.12	426.12	-	-		
26	Nagaland	01.04.2014	402.00	505.50	550.20	680.00	768.00	782.67	785.60	270.00	270.00	270.00	476.67	548.00	599.11	599.91	-	-		
27	Sikkim	01.04.2014	167.50	335.63	398.25	469.17	524.17	534.72	536.83	235.00	327.50	436.25	550.00	U	417.65	530.87	530.87	-	-	
													400.00	R						
28	Tripura	01.04.2014	521.50	755.00	755.00	691.50	768.33	768.33	768.33	366.19	366.19	477.38	740.00		764.00	-	-	-	-	
29	A & N Islands	01.04.2014	210.00	417.38	488.25	605.50	719.60	747.37	752.92	131.25	131.25	131.25	505.75		521.15	-	-	-	-	
30	Chandigarh	01.04.2014	239.00	357.75	412.50	497.67	520.33	525.22	526.20	230.00	230.00	230.00	455.00		507.67	496.98	582.03	482.40	-	
31	Dadra & Nagar Haveli	01.04.2014	150.00	192.50	230.00	308.33	329.67	333.22	333.93	70.00	70.00	70.00	345.00		392.34	470.88	473.03	-	-	
32	Daman & Diu	01.04.2014	150.00	192.50	230.00	331.67	358.33	362.78	363.67	70.00	70.00	70.00	372.34		372.34	496.64	496.64	-	-	
33	Delhi (BYPL/BRPL/NDPL)	17.07.2014	462.00	548.63	711.90	994.00	994.00	1081.11	1081.11	296.58	296.58	296.58	943.25		991.67	896.63	896.63	875.05	841.22	
34	Delhi (NDMC)	17.07.2014	362.25	433.13	579.60	850.50	850.50	1068.53	1068.53	-	-	-	893.53		893.53	918.49	918.49	896.41	911.65	at 33KV
35	Lakshadweep	01.04.2014	122.50	293.13	357.25	516.67	583.33	594.44	596.67	-	-	-	472.22		472.22	625.37	625.37	-	-	
36	Puducherry	01.04.2014	120.00	227.50	301.00	465.00	525.00	535.00	537.00	-	-	-	440.67		448.13	497.31	-	500.74	-	
37	Torrent Power Ltd. (Ahmedabad)	01.04.2013	437.00	497.38	534.18	604.17	616.67	704.17	704.14	330.00	330.00	330.00	542.67		619.67	514.14	514.14	-	-	
38	Torrent Power Ltd. (Surat)	01.04.2015	422.63	502.41	546.54	585.42	585.42	714.12	714.12	70.00	70.00	70.00	515.00		628.43	613.43	613.43	-	-	
39	CESC Ltd. (Kolkata)	01.04.2013	494.91	714.65	817.90	737.72	897.51	918.55	922.76	-	-	-	624.79		761.08	739.93	739.93	712.33	648.89	
40	DPSC Ltd. (West Bengal)	01.04.2013	417.11	458.82	458.82	489.38	511.62	601.32	601.32	187.95	187.95	187.95	506.65		556.08	668.80	668.80	453.75	708.11	
41	Durgapur Projects Ltd. (W Bengal)	01.04.2013	419.86	523.93	546.24	541.14	591.38	595.65	596.51	180.29	180.29	180.29	518.19		572.65	658.00	658.00	640.75	647.78	at 25KV
																			642.78	at 132KV
42	D.V.C. (A) Bihar Area	01.09.2014	-	-	-	-	-	-	-	-	-	-	-		-	-	-	546.03	-	at 33KV
	(B) West Bengal Area		-	-	-	-	-	-	-	-	-	-	-		-	-	-	592.40	481.18	at 132KV
43	Mumbai (B.E.S.T)	01.04.2014	429.00	752.44	1071.16	1165.31	1342.37	1535.98	1535.98	-	-	-	1099.19		1258.13	1123.61	1123.61	-	-	
44	Mumbai (Reliance Energy)	01.04.2014	511.80	654.69	852.32	1026.08	948.08	1344.10	1344.10	223.00	223.00	223.00	890.28		1001.98	895.80	895.80	-	948.11	at 100/33/22/11/6.6kV
45	Mumbai (TATA'S)	01.04.2014	305.95	491.39	727.66	935.99	857.99	1036.39	1036.39	-	-	-	751.85		989.99	851.11	851.11	-	814.11	33/22kV
B : Continuous Supply Areas C : Non-Continuous Supply Areas D : Bangalore, Devangere & Other City Municipal Corp. F : Areas under Village Panchayats U : Urban R : Rural O : Other Areas																				
^ TOD tariff from 23:00 hrs to 06:00 hrs for DPSC Ltd. & Durgapur Projects Ltd. respectively in West Bengal.																				
Tariffs notified have varying parameters for various categories of consumers. The above comparison is based on certain assumed loads and electricity consumption levels in a month.																				
The statement has been prepared on the basis of Electricity Tariff as reported to FS & A Division, CEA upto 30.03.2015																				

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.1680
ANSWERED ON **09.05.2016**

ELECTRICITY SUPPLY IN VILLAGES

1680. SHRI P.L. PUNIA:

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

- (a) the number of villages which have been connected with electricity, State-wise;
- (b) the number of villages which have not been connected with electricity till now, State-wise;
- (c) whether every household in the electrified villages has access to electricity;
- (d) if so, the details thereof and if not, the reasons therefor;
- (e) the average hour for which electricity is provided in villages per day, State-wise;
- (f) the average power consumption per household in villages, State-wise; and
- (g) the steps taken by Government to ensure continuous electricity supply in villages during the last two years?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : There were 18,452 un-electrified census villages in the country as on 01.04.2015 as informed by the States. Out of these un-electrified census villages, 7108 villages have been electrified during 2015-16. The State-wise details are given at **Annex-I**.

(c) & (d) : Under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY), all the eligible Below Poverty Line (BPL) households are provided free electricity connections and infrastructure is created for all as proposed by State/DISCOM.

(e) : As on February, 2016, the average hours of rural power supply as reported by State/ DISCOM is given at **Annex-II**.

(f) : The consumption per household as reported by State/DISCOM per day in rural areas for the year 2014-15 is given at **Annex-III**.

(g) : In order to ensure continuous electricity supply, the Government of India has decided to take a joint initiative with all the States and Union Territories (UTs) to facilitate finalizing a road map for "24 x 7 Power for All" to all consumers. Further, under DDUGJY, there is a provision for separation of agriculture and non-agriculture feeders facilitating judicious restoring of supply to agricultural & non- agricultural consumers in the rural areas for adequate and quality power supply to agriculture consumer and improved supply to rural households

**ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION
NO. 1680 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.**

State-wise un-electrified villages

Sr. No.	States	Un-electrified villages as on 01.04.2015	Villages electrified during 2015-16
1	Arunachal Pradesh	1578	174
2	Assam	2892	942
3	Bihar	2747	1754
4	Chhattisgarh	1080	405
5	Himachal Pradesh	35	1
6	Jammu & Kashmir	134	27
7	Jharkhand	2525	750
8	Karnataka	39	0
9	Madhya Pradesh	472	214
10	Manipur	276	75
11	Meghalaya	912	1
12	Mizoram	58	16
13	Nagaland	82	0
14	Odisha	3474	1264
15	Rajasthan	495	163
16	Tripura	26	9
17	Uttar Pradesh	1529	1305
18	Uttarakhand	76	0
19	West Bengal	22	8
	Total	18452	7108

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 1680 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

Rural Power Supply position for month (Feb 2016)

Sl. No	Name of State	In hours
1	Andhra Pradesh	24
2	Arunachal Pradesh	11
3	Assam	16.5
4	Bihar	18.67
5	Chhattisgarh	24
6	Gujarat	24
7	Haryana	12.46
8	Himachal Pradesh	24
9	Jammu & Kashmir	14.25
10	Jharkhand	16.40
11	Karnataka	19.33
12	Kerala	23
13	Madhya Pradesh	23.49
14	Maharashtra	23.32
15	Manipur	15.5
16	Meghalaya	22.5
17	Mizoram	9
18	Nagaland	15
19	Odisha	21.5
20	Punjab	24
21	Rajasthan	22
22	Sikkim	18.25
23	Tamil Nadu	24
24	Telangana	24
25	Tripura	24
26	Uttar Pradesh	11.71
27	Uttarakhand	23.45
28	West Bengal	24

ANNEX REFERRED TO IN REPLY TO PART (f) OF UNSTARRED QUESTION NO. 1680 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

Consumptions per Rural House Hold per day Estimated for 2014-15		
Sl. No.	States	Units per House Hold per day Estimated for 2014-15
1	A & N Islands	2.35
2	Arunachal Pradesh	0.7
3	Assam	1.71
4	Bihar	1.42
5	Chandigarh	10.5
6	Chhattisgarh	1.13
7	D & N Haweli	4.66
8	Daman & Diu	5.04
9	Delhi	9.05
10	Goa	4.69
11	Gujarat	1.39
12	Haryana	2.24
13	Himachal Pradesh	1.51
14	J & K	2.6
15	Jharkhand	1.64
16	Karnataka	1.19
17	Kerala	3.32
18	Madhya Pradesh	1.47
19	Maharashtra	1.59
20	Manipur	1.14
21	Meghalaya	1.48
22	Mizoram	1.52
23	Nagaland	1.75
24	Odisha	2.19
25	Puducherry	5.79
26	Punjab	4.03
27	Rajasthan	2.00
28	Tamil Nadu	1.86
29	Telangana	1.47
30	Tripura	0.67
31	Uttar Pradesh	2.69
32	Uttarakhand	2.26
33	West Bengal	1.23

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1681
ANSWERED ON 09.05.2016

PENDING POWER PROJECTS

1681. SHRI T.K. RANGARAJAN:

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

- (a) the number of power projects pending completion as on the 31st December, 2015, State-wise; and
- (b) the number of power projects which are pending for more than 10 years in Tamil Nadu and the reasons therefor?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : A total of 83 thermal power projects aggregating to 80,865.5 MW capacity and a total of 47 hydro power projects (above 25 MW) aggregating to 13,662 MW capacity were under construction/pending completion in the country as on 31st December 2015. The State-wise details of these projects are given at **Annex-I & II** respectively.

(b) : As per CEA report, no thermal power project(s) or hydro power project is pending for more than 10 years, in the state of Tamil Nadu.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1681 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

Details of Under Construction Thermal Power Projects in the country (as on 31.12.2015)

Sl. No.	State	Project Name / Impl. Agency	Unit No	Cap. (MW)
CENTRAL SECTOR				
1	Assam	Bongaigaon TPP/NTPC	U-2	250
			U-3	250
2	Bihar	Barh STPP-I /NTPC	U-1	660
			U-2	660
			U-3	660
3	Bihar	Muzaffarpur TPP(Kanti) Exp/ JV of NTPC& BSEB	U-4	195
4	Bihar	Nabi Nagar TPP / JV of NTPC & Rly.	U-1	250
			U-2	250
			U-3	250
			U-4	250
5	Bihar	New Nabi Nagar TPP /JV of NTPC & BSPGCL	U-1	660
			U-2	660
			U-3	660
6	Chhattisgarh	Lara TPP / NTPC	U-1	800
			U-2	800
7	Jharkhand	Bokaro "A" TPS Exp. / DVC	U-1	500
8	Jharkhand	North Karanpura TPP/ NTPC	U-1	660
			U-2	660
			U-3	660
9	Karnataka	Kudgi STPP Ph-I/ NTPC	U-1	800
			U-2	800
			U-3	800
10	Maharashtra	Mouda STPP Ph-II/ NTPC	U-3	660
			U-4	660
11	Maharashtra	Solapur STPP/ NTPC	U-1	660
			U-2	660
12	MP	Gadarwara TPP/ NTPC	U-1	800
			U-2	800
13	MP	Khargone TPP/ NTPC	U-1	660
			U-2	660
14	TN	Neyveli New TPP/ NLC	U-1	500
			U-2	500
15	Odisha	Darlipalli STPP/ NTPC	U-1	800
			U-2	800
16	Tripura	Agartala /NEEPCO	St-1	25.5
17	UP	Unchahar - IV/ NTPC	U-6	500
18	UP	Meja STPP/ JV of NTPC & UPRVUNL	U-1	660
			U-2	660
19	UP	Tanda TPP/ NTPC	U-1	660
			U-2	660
20	WB	Raghunathpur TPP, Ph-II / DVC	U-1	660
			U-2	660
TOTAL CENTRAL SECTOR				24780.5

STATE SECTOR				
21	AP	Rayalaseema TPP St-IV / APGENCO	U-6	600
22	Assam	Namrup CCGT / APGCL	GT	70
			ST	30
23	Bihar	Barauni TPS Extn./ BSEB	U-8	250
			U-9	250
24	Chhattisgarh	Marwa TPP / CSPGCL	U-2	500
25	Gujarat	Bhavnagar CFBC TPP / BECL	U-1	250
			U-2	250
26	Gujarat	Wanakbori TPS Extn. / GSECL	U-8	800
27	Karnataka	Bellary TPS /KPCL	U-3	700
28	Karnataka	Yermarus TPP/ KPCL	U-1	800
			U-2	800
29	Maharashtra	Chandrapur TPS/ MSPGCL	U-9	500
30	Maharashtra	Koradi TPP Expn./ MSPGCL	U-9	660
			U-10	660
31	Maharashtra	Parli TPP Expn./ MSPGCL	U-8	250
32	MP	Shri Singhaji TPP-II / MPGENCO	U-3	660
			U-4	660
33	Odisha	Ib valley TPP / OPGCL	U-3	660
			U-4	660
34	Rajasthan	Chhabra TPP Extn. / RRVUNL	U-5	660
			U-6	660
35	Rajasthan	Suratgarh TPS/ RRVUNL	U-7	660
			U-8	660
36	Telangana	Kothagudem TPS St-VII / TSGENCO	U-1	800
37	Telangana	Bhadradri TPP / TSGENCO	U-1	270
			U-2	270
			U-3	270
			U-4	270
38	Telangana	Singareni TPP/ SCCL	U-1	600
			U-2	600
39	TN	Ennore exp. SCTPP(Lanco) / TANGEDCO	U-1	660
40	TN	Ennore SCTPP / TANGEDCO	U-1	660
			U-2	660
41	UP	Anpara-D TPP / UPRVUNL	U-7	500
42	WB	Sagardighi TPP-II / WBPDC	U-4	500
			Total State Sector	18710
PRIVATE SECTOR				
43	AP	Bhavanapadu TPP Ph-I / East Coast Energy Ltd.	U-1	660
			U-2	660
44	AP	NCC TPP / NCC Power Project Ltd.	U-1	660
			U-2	660
45	AP	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd.	U-3	350
			U-4	350
46	AP	Vizag TPP/ Hinduja National Power Corporation Ltd.	U-2	520
47	Bihar	Jas Infra. TPS / JICPL	U-1	660
			U-2	660
			U-3	660
			U-4	660

48	<i>Chhattisgarh</i>	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd.	U-3	600
			U-4	600
			U-5	600
			U-6	600
49	<i>Chhattisgarh</i>	Balco TPP / Bharat Aluminium Co. Ltd.	U-2	300
50	<i>Chhattisgarh</i>	Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd.	U-1	300
			U-2	300
			U-3	300
			U-4	300
51	<i>Chhattisgarh</i>	Lanco Amarkantak TPP-II / LAP Pvt. Ltd.	U-3	660
			U-4	660
52	<i>Chhattisgarh</i>	Raikheda TPP / GMR	U-2	685
53	<i>Chhattisgarh</i>	Singhitarai TPP / Athena Chhattisgarh Power Ltd.	U-1	600
			U-2	600
54	<i>Chhattisgarh</i>	Nawapara TPP / TRN Energy Pvt. Ltd.	U-1	300
			U-2	300
55	<i>Chhattisgarh</i>	Uchpinda TPP/ RKM Powergen. Pvt. Ltd.	U-2	360
			U-3	360
			U-4	360
56	<i>Chhattisgarh</i>	Salora TPP / Vandana Vidyut	U-2	135
57	<i>Chhattisgarh</i>	Deveri (Visa) TPP / Visa Power Ltd.	U-1	600
58	<i>Jharkhand</i>	Matrishri Usha TPP Ph-I / Corporate Power Ltd.	U-1	270
			U-2	270
59	<i>Jharkhand</i>	Matrishri Usha TPP Ph-II / Corporate Power Ltd.	U-3	270
			U-4	270
60	<i>Jharkhand</i>	Tori TPP PH-I / Essar Power Ltd.	U-1	600
			U-2	600
61	<i>Jharkhand</i>	Tori TPP Ph-II / Essar Power Ltd.	U-3	600
62	<i>Maharashtra</i>	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd.	U-1	270
			U-2	270
			U-3	270
			U-4	270
			U-5	270
63	<i>Maharashtra</i>	Lanco Vidarbha TPP / LVP Pvt. Ltd.	U-1	660
			U-2	660
64	<i>Maharashtra</i>	Nasiik TPP Ph-I / Ratan India Nasik Power Pvt. Ltd.	U-2	270
			U-3	270
			U-4	270
			U-5	270
65	<i>Maharashtra</i>	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd.	U-1	270
			U-2	270
			U-3	270
			U-4	270
			U-5	270
66	<i>Maharashtra</i>	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd.	U-1	300
			U-2	300
67	<i>MP</i>	Anuppur TPP Ph-I / MB Power	U-2	600
68	<i>MP</i>	Mahan TPP / Essar Power MP Ltd.	U-2	600
69	<i>MP</i>	Gorgi TPP / D.B. Power (MP) Ltd.	U-1	660
70	<i>MP</i>	Seoni TPP Ph-I / Jhabua Power Ltd.	U-1	600
71	<i>MP</i>	Niwari TPP / BLA Power Ltd.	U-2	45

72	<i>Odisha</i>	Ind Barath TPP (Odisha) / Ind Barath	U-1	350
			U-2	350
73	<i>Odisha</i>	KVK Nilanchal TPP/ KVK Nilanchal	U-1	350
			U-2	350
			U-3	350
74	<i>Odisha</i>	Lanco Babandh TPP / LBP Ltd.	U-1	660
			U-2	660
75	<i>Odisha</i>	Malibrahmani TPP / MPCL	U-1	525
			U-2	525
76	<i>Punjab</i>	Goindwal Sahib TPP / GVK Power	U-1	270
			U-2	270
77	<i>Punjab</i>	Talwandi Sabo TPP / Sterlite	U-3	660
78	<i>TN</i>	Melamaruthur TPP / Coastal Energen	U-2	600
79	<i>TN</i>	Tuticorin TPP (Ind- Barath) / IBPIL	U-1	660
80	<i>TN</i>	ITPCL TPP	U-2	600
81	<i>UP</i>	Prayagraj (Bara) TPP / PPGENCO	U-2	660
			U-3	660
82	<i>UP</i>	Lalitpur TPP / Lalitpur Power Generation Company Ltd.	U-2	660
			U-3	660
83	<i>WB</i>	Haldia TPP / Haldia Energy Ltd.	U-1	150
			U-2	150
			U-3	150
Total Private Sector				37375
Grand Total				80865.5

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1681 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

Hydro Electric Projects (above 25 MW) - Under Construction in the Country
(As on 31.12.2015)

Sl. No.	Name of Scheme (Executing Agency)	Sector	I.C. (No. x MW)	Cap. Under Execution (MW)
Andhra Pradesh				
1	Polavaram (PPA)	State	12x80	960.00
2	Nagarujana Sagar TR(APGENCO)	State	2x25	50.00
Sub-total: Andhra Pradesh				1010.00
Arunachal Pradesh				
3	Kameng (NEEPCO)	Central	4x150	600.00
4	Pare (NEEPCO)	Central	2x55	110.00
5	Subansiri Lower (NHPC)	Central	8x250	2000.00
6	Gongri(Dirang Energy)	Private	2x72	144.00
Sub-total: Arunachal Pradesh				2854.00
Himachal Pradesh				
7	Parbati St. II (NHPC)	Central	4x200	800.00
8	Uhl-III (BVPCL)	State	3x33.33	100.00
9	Swara Kuddu (HPPCL)	State	3x37	111.00
10	Sainj (HPPCL)	State	2x50	100.00
11	Shongtong Karcham (HPPCL)	State	3x150	450.00
12	Kashang -I (HPPCL)	State	1x65	65.00
13	Kashang -II & III (HPPCL)	State	2x65	130.00
14	Bajoli Holi (GMR)	Private	3x60	180.00
15	Sorang (HSPCL)	Private	2x50	100.00
16	Tangnu Romai (TRPG)	Private	2x22	44.00
17	Tidong-I (NSL Tidong)	Private	100.00	100.00
18	Chanju-I (IA Energy)	Private	3x12	36.00
Sub-total: Himachal Pradesh				2216.00
Jammu & Kashmir				
19	Kishanganga (NHPC)	Central	3x110	330.00
20	Ratle (RHEPPL)	Private	4x205 + 1x30	850.00
Sub-total: Jammu & Kashmir				1180.00
Kerala				
21	Pallivasal (KSEB)	State	2x30	60.00
22	Thottiyar (KSEB)	State	1x30+1x10	40.00
Sub-total: Kerala				100.00
Madhya Pradesh				
23	Maheshwar (SMHPCL)	Private	10x40	400.00
Sub-total: Madhya Pradesh				400.00
Maharashtra				
24	Koyna Left Bank (WRD,MAH)	State	2x40	80.00
Sub-total: Maharashtra				80.00

Meghalaya				
25	New Umtru (MePGCL)	State	2x20	40.00
Sub-total: Meghalaya				40.00
Mizoram				
26	Tuirial (NEEPCO)	Central	2x30	60.00
Sub-total: Mizoram				60.00
Punjab				
27	Shahpurkandi (PSPCL)	State	3x33+3x33	206.00
			8.00	
Sub-total: Punjab				206.00
Sikkim				
28	Bhasmey (Gati Infrastructure)	Private	3x17	51.00
29	Dikchu (Sneha Knietic)	Private	3x32	96.00
30	Rangit-IV (JAL Power)	Private	3x40	120.00
31	Rangit-II (Sikkim Hydro)	Private	2x33	66.00
32	Rongnichu (Madhya Bharat)	Private	2x48	96.00
33	Tashiding (Shiga Energy)	Private	2x48.5	97.00
34	Teesta St. III (Teesta Urja Ltd.)	State	6x200	1200.00
35	Teesta St. VI (LANCO)	Private	4x125	500.00
36	Panan (Himagiri)	Private	4x75	300.00
Sub-total: Sikkim				2526.00
Telangana				
37	Lower Jurala (TSGENCO)	State	6x40	160.00
38	Pulichintala (TSGENCO)	State	4x30	120.00
Sub-total: Telangana				280.00
Uttarakhand				
39	Lata Tapovan (NTPC)	Central	3x57	171.00
40	Tapovan Vishnugad (NTPC)	Central	4x130	520.00
41	Tehri PSS (THDC)	Central	4x250	1000.00
42	Vishnugad Pipalkoti (THDC)	Central	4x111	444.00
43	Vyasi (UJVNL)	State	2x60	120.00
44	Phata Byung (LANCO)	Private	2x38	76.00
45	Singoli Bhatwari (L&T)	Private	3x33	99.00
Sub-total: Uttarakhand				2430.00
West Bengal				
46	Teesta Low Dam-IV (NHPC)	Central	4x40	160.00
47	Rammam-III (NTPC)	Central	3x40	120.00
Sub-total: West Bengal				280.00
Total:				13662.00

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1682
ANSWERED ON 09.05.2016

STATUS OF STRESSED ASSETS OF POWER COMPANIES

1682. SHRI AVINASH PANDE:

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

- (a) the measures being taken by Government to survey, evaluate and improve the condition of stressed financial assets of power companies; and
- (b) whether Government is planning to disqualify companies from bidding for future projects if their stressed assets are beyond a maximum threshold?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : The Ministry of Power undertakes periodic reviews of Power Sector Projects including those with stressed financial assets and necessary remedial measures are taken to improve their condition.

The Standard Bidding Documents for Power Sector Projects contain minimum networth eligibility criteria for bidders.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1683
ANSWERED ON 09.05.2016

INSTALLATION OF SMART METERS IN HOUSES

†1683. SHRI LAL SINH VADODIA:

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

- (a) whether it is a fact that Government is considering seriously to install smart meters in every house;
- (b) if so, whether Government has taken any steps in this direction, so far; and
- (c) if so, the details thereof and if not, the reasons therefor?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c): Yes, Sir. Government of India (GoI) launched Integrated Power Development Scheme (IPDS) on 3rd December 2014, which envisages installation of Smart meters in Supervisory Controlled and Data Acquisition system (SCADA) towns. Till March'2016, about 1.10 lakhs smart meters have been sanctioned under IPDS.

Government of India has also launched Ujwal Discom Assurance Yojana (UDAY) scheme for Operational and Financial Turnaround of Power Distribution Companies on 20th November, 2015 under which participating States & Utilities would go for Smart Metering for all consumers with consumption above 500 units per month by 31st December, 2017 and above 200 units per month by 31st December, 2019.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1684
ANSWERED ON 09.05.2016

**DEPLETION OF FRESH WATER RESOURCES DUE TO
THERMAL POWER PLANTS**

1684. SHRI A.W. RABI BERNARD:

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

- (a) whether India's fast depleting fresh water resources could be further impacted due to new coal based thermal power plants with a combined capacity of over 52,000 MW, according to a report by environmental group Greenpeace International;
- (b) if so, the details thereof;
- (c) whether it is a fact that a quarter of the thermal power plants proposed to be set up are located in regions that are already suffering from severe overdrawn of fresh water; and
- (d) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : Report of Greenpeace International has not been examined in this Ministry.

The Government has not separately assessed the Thermal Power Plants to be set up in areas which face severe water scarcity in the country. Coal based Thermal Power Plants are considered for setting up keeping in view of the availability of land, water, fuel etc. at inception stage. Allocation of water for Thermal Power Projects is done by Water Resources Department (WRD) of the concerned State Government where the project is located and WRD of the State assess all factors before allocation of water.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1685
ANSWERED ON 09.05.2016

HYDRO POWER POTENTIAL

1685. SHRI D. KUPENDRA REDDY:

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

- (a) whether the Ministry has made an assessment of hydro power potential of the country;
- (b) if so, the details thereof, hydro power project-wise;
- (c) the targets set for generating electricity during the last and the current five year plans;
- (d) whether the targets have been achieved;
- (e) if so, the details thereof and if not, the reasons therefor;
- (f) whether there is any proposal for setting up of new hydro projects and for renovating/refurbishing the existing hydro projects; and
- (g) if so, the details thereof and if not, the reasons therefor?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b): As per the assessment done by the Central Electricity Authority (CEA), the identified hydro power potential of the country has been estimated as 1,48,701 MW (1,45,320 MW above 25 MW). The Project-wise details are given in **Annex-I**.

(c) to (e) : The targets for generating electricity and actual generation during the last and in the current Five Year Plans from Hydro Electric Stations (above 25 MW capacity) are given in **Annex-II**.

The reasons for shortfall in generation during these years has been mainly due to less rainfall in the catchment areas.

(f) & (g): 47 new Hydro Electric Projects (above 25 MW) totalling 13,502 MW are presently under construction in the country. During the XII Plan, a total of 22 hydro Renovation & Modernisation Schemes (2 in Central Sector and 20 in State Sector) having an installed capacity of about 3042 MW through uprating, life extension and restoration are expected to be completed at an estimated cost of about Rs. 1353 Crores.

**ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION
NO. 1685 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.**

HYDRO ELECTRIC SCHEMES IN THE COUNTRY

(As Identified in Re-assessment Study 1978-87)

ROR: Run of River, R: ROR with pondage, S: Storage

Sl. No.	Name of Scheme	State	River	Type	Probable I.C.(MW)
	Northern Region				
1	Mangaya	Jammu & Kashmir	Seawa	R	18
2	Chichnauta	Jammu & Kashmir	Seawa	R	22
3	Beriyar	Jammu & Kashmir	Ujh	R	19
4	Falal	Jammu & Kashmir	Ujh	R	14
5	Bhura	Jammu & Kashmir	Ujh	S	22
6	Shuas	Jammu & Kashmir	Chenab	R	505
7	Berinaum	Jammu & Kashmir	Chenab	R	435
8	Sho	Jammu & Kashmir	Chenab	R	215
9	Arthal	Jammu & Kashmir	Bhut Nallah	R	19
10	Naunut	Jammu & Kashmir	Chenab	R	1120
11	Kiru	Jammu & Kashmir	Chenab	R	295
12	Kwar	Jammu & Kashmir	Chenab	R	440
13	Pakaldul	Jammu & Kashmir	Marsudar	R	765
14	Bursar	Jammu & Kashmir	Marsudar	S	195
15	Dulhasti	Jammu & Kashmir	Chenab	R	1120
16	Kunau	Jammu & Kashmir	Kal Nai	R	13
17	Naga	Jammu & Kashmir	Kal Nai	R	29
18	Kiwa	Jammu & Kashmir	Kal Nai	R	37
19	Tipri	Jammu & Kashmir	Kal Nai	R	36
20	Dunadi	Jammu & Kashmir	Kagune Garh	R	60
21	Thatri	Jammu & Kashmir	Kal Nai	R	22
22	Ratle	Jammu & Kashmir	Chenab	R	515
23	Shamnot	Jammu & Kashmir	Chenab	R	200
24	Baglihar	Jammu & Kashmir	Chenab	R	750
25	Bichlari	Jammu & Kashmir	Bichlari	R	75
26	Sawalkot	Jammu & Kashmir	Chenab	R	1350
27	Damni	Jammu & Kashmir	Ans	R	6
28	Kallar	Jammu & Kashmir	Ans	R	14
29	Salal	Jammu & Kashmir	Chenab	R	780
30	Chenani	Jammu & Kashmir	Tawi	R	21
31	Bring	Jammu & Kashmir	Bring	R	5
32	Shishram Nag	Jammu & Kashmir	Lidder	R	4
33	Chandanwari	Jammu & Kashmir	Lidder	R	7
34	Pahalgam	Jammu & Kashmir	Lidder	R	3
35	Lidru	Jammu & Kashmir	Lidder	R	12
36	Vishau	Jammu & Kashmir	Vishau	R	7
37	Rembiara	Jammu & Kashmir	Rembiara	R	5
38	Sonmarg	Jammu & Kashmir	Sind	S	155
39	Upper Sindh-I	Jammu & Kashmir	Sind	R	65
40	Upper Sindh-II	Jammu & Kashmir	Sind	R	140
41	Gangbal	Jammu & Kashmir	Kankanag	S	55
42	Ganderbal	Jammu & Kashmir	Sind	R	75
43	Dawar	Jammu & Kashmir	Kishan Ganga	R	16
44	Karalpur	Jammu & Kashmir	Kishan Ganga	S	280

45	Wangam	Jammu & Kashmir	Bonar	R	60
46	Lower Jhelum	Jammu & Kashmir	Jhelam	R	170
47	Uri	Jammu & Kashmir	Jhelam	R	600
48	Mohara	Jammu & Kashmir	Jhelam	R	9
49	Chakothe	Jammu & Kashmir	Jhelam	R	285
50	Chinari	Jammu & Kashmir	Jhelam	R	475
51	Hatian	Jammu & Kashmir	Jhelam	R	215
52	Mandi	Jammu & Kashmir	Mandi	R	14
53	Mahe	Jammu & Kashmir	Indus	R	13
54	Kesar	Jammu & Kashmir	Indus	R	42
55	Kiari	Jammu & Kashmir	Indus	R	28
56	Gaik	Jammu & Kashmir	Indus	R	20
57	Karu	Jammu & Kashmir	Indus	R	12
58	Stakna	Jammu & Kashmir	Indus	R	14
59	Leh	Jammu & Kashmir	Indus	R	29
60	Ramchung	Jammu & Kashmir	Indus	R	15
61	Chimi Chenmo	Jammu & Kashmir	Zaskar	R	15
62	Chorton	Jammu & Kashmir	Zaskar	R	16
63	Rinam	Jammu & Kashmir	Zaskar	R	12
64	Parfila	Jammu & Kashmir	Zaskar	S	45
65	Paidar	Jammu & Kashmir	Zaskar	R	46
66	Tillarchu	Jammu & Kashmir	Zaskar	R	39
67	Liangaura	Jammu & Kashmir	Zaskar	R	25
68	Nimu	Jammu & Kashmir	Indus	S	180
69	Nurla	Jammu & Kashmir	Indus	R	65
70	Khalsi	Jammu & Kashmir	Indus	R	170
71	Takmaching	Jammu & Kashmir	Indus	R	75
72	Dumkar	Jammu & Kashmir	Indus	R	130
73	Achinthang	Jammu & Kashmir	Indus	R	140
74	Kanyunche	Jammu & Kashmir	Indus	R	105
75	Batalik	Jammu & Kashmir	Indus	R	235
76	Parkhachik	Jammu & Kashmir	Suru	R	110
77	Thang	Jammu & Kashmir	Shangal Nallah	R	7
78	Yokne	Jammu & Kashmir	Suru	R	8
79	Phulangma	Jammu & Kashmir	Phulangma Nallah	R	16
80	Chechesna	Jammu & Kashmir	Suru	R	47
81	Thambas	Jammu & Kashmir	Suru	R	29
82	Wakhe Rong	Jammu & Kashmir	Wakha Rong	R	4
83	Goma	Jammu & Kashmir	Wakha Rong	R	5
84	Kargil	Jammu & Kashmir	Wakha Rong	R	13
85	Suru	Jammu & Kashmir	Suru	R	18
86	Dras	Jammu & Kashmir	Drass	R	18
87	Dandal	Jammu & Kashmir	Drass	R	26
88	Khahru	Jammu & Kashmir	Drass	R	30
89	Tahanus	Jammu & Kashmir	Shingo	R	120
90	Karkit	Jammu & Kashmir	Shingo	R	190
91	Gunderman	Jammu & Kashmir	Suru	R	120
92	Kunzang	Jammu & Kashmir	Shyok	R	11
93	Chang Chanmo-I	Jammu & Kashmir	Shyok	R	6
94	Chang Chanmo-II	Jammu & Kashmir	Shyok	R	15
95	Shyok	Jammu & Kashmir	Shyok	R	7
96	Shamma	Jammu & Kashmir	Shyok	R	20
97	Thangkar	Jammu & Kashmir	Shyok	R	23
98	Tsogagsa	Jammu & Kashmir	Shyok	R	18
99	Chalunka	Jammu & Kashmir	Shyok	R	45
Total (Jammu & Kashmir)					14146

1	Rongtong	Himachal Pradesh	Spiti	R	2
2	Saman	Himachal Pradesh	Spiti	R	12
3	Kyurik	Himachal Pradesh	Spiti	R	41
4	Thibda	Himachal Pradesh	Spiti	R	55
5	Khab-I	Himachal Pradesh	Sutlej	S	1640
6	Ropa	Himachal Pradesh	Ropa	S	31
7	Gyamthing	Himachal Pradesh	Gyamthing	R	23
8	Khab-II	Himachal Pradesh	Sutlej	R	425
9	Tidong-II	Himachal Pradesh	Tidong	R	90
10	Tidong-I	Himachal Pradesh	Tidong	S	90
11	Taiti-II	Himachal Pradesh	Taiti	R	22
12	Taiti-I	Himachal Pradesh	Taiti	S	50
13	Jangi Thopan	Himachal Pradesh	Sutlej	R	410
14	Thopan Powari	Himachal Pradesh	Sutlej	R	650
15	Baspa-I	Himachal Pradesh	Baspa	S	335
16	Baspa-II	Himachal Pradesh	Baspa	R	370
17	Shongtong Karcham	Himachal Pradesh	Sutlej	R	780
18	Karcham Wangtoo	Himachal Pradesh	Sutlej	R	935
19	Homte	Himachal Pradesh	Bhaba	R	60
20	Bhaba (Sanjay)	Himachal Pradesh	Bhaba	R	195
21	Nathpa Jhakri	Himachal Pradesh	Sutlej	R	1990
22	Nogli-I	Himachal Pradesh	Nogli	R	2
23	Nogli-II	Himachal Pradesh	Nogli	R	4
24	Rampur Nanjah	Himachal Pradesh	Sutlej	R	420
25	Luhri	Himachal Pradesh	Sutlej	R	425
26	Chaba (Nauti)	Himachal Pradesh	Nauti	R	3
27	Suni Chaba Dam	Himachal Pradesh	Sutlej	S	225
28	Kol Dam	Himachal Pradesh	Sutlej	S	760
29	Bhakra Nangal	Himachal Pradesh	Sutlej	S	1395
30	Ghosal	Himachal Pradesh	Beas	R	21
31	Manali	Himachal Pradesh	Manalsu	R	37
32	Allain Nallah	Himachal Pradesh	Allain	R	46
33	Duhangan	Himachal Pradesh	Duhangan	R	29
34	Gandharni	Himachal Pradesh	beas	R	49
35	Puknoj	Himachal Pradesh	Puknoj	R	1
36	Gharopa	Himachal Pradesh	Beas	R	85
37	Phojal	Himachal Pradesh	Phojal	R	13
38	Kulu	Himachal Pradesh	Beas	R	90
39	Sarbari	Himachal Pradesh	Sarbari	R	16
40	Malana	Himachal Pradesh	Malana	R	60
41	Parbati-II	Himachal Pradesh	Parbati	S	400
42	Sainj-I	Himachal Pradesh	Sainj	R	55
43	Sainj Kartah-II	Himachal Pradesh	Sainj	R	45
44	Jiwa/sainj-III	Himachal Pradesh	Jiwa/Sainj	R	21
45	Nakthan (Parbati-I)	Himachal Pradesh	Parbati	R	420
46	Sainj-IV	Himachal Pradesh	Sainj	R	27
47	Tirthan-I	Himachal Pradesh	Tirthan	R	32
48	Tirthan-II	Himachal Pradesh	Tirthan	R	25
49	Tirthan-III	Himachal Pradesh	Tirthan	R	26
50	Sainj (Parbati-III)	Himachal Pradesh	Sainj	R	215
51	Larji	Himachal Pradesh	Beas	R	190
52	Pandoh Diversion	Himachal Pradesh	Beas	R	555
53	Uhl	Himachal Pradesh	Uhl	R	70
54	Uhl at Joginder Nagar	Himachal Pradesh	Uhl	R	90

55	Bassi	Himachal Pradesh	Rana Khad	R	75
56	Rana Khad	Himachal Pradesh	Rana Khad	R	29
57	Binwa	Himachal Pradesh	Binwa Khad	R	7
58	Neogal	Himachal Pradesh	Neogal	R	7
59	Baner	Himachal Pradesh	Baner Khad	R	5
60	Gaj	Himachal Pradesh	Gaj Khad	R	34
61	Pong Dam	Himachal Pradesh	Beas	S	390
62	Chulan	Himachal Pradesh	Ravi	R	55
63	Holi	Himachal Pradesh	Holi	R	13
64	Machhetri	Himachal Pradesh	Ravi	R	60
65	Kuarsa	Himachal Pradesh	Kuarsa	R	4
66	Budhil	Himachal Pradesh	Budhil	R	38
67	Tundah	Himachal Pradesh	Tundah	R	34
68	Hibra	Himachal Pradesh	Ravi	S	470
69	Gwar	Himachal Pradesh	Ravi	R	395
70	Baira Siul	Himachal Pradesh	Siul	R	225
71	Chamera (Sherpur)	Himachal Pradesh	Ravi	S	405
72	Seawa	Himachal Pradesh	Seawa	R	70
73	Baroti	Himachal Pradesh	Siul	S	40
74	Chhota Dara	Himachal Pradesh	Chandra	R	50
75	Chhatru	Himachal Pradesh	Chandra	R	140
76	Khoksar	Himachal Pradesh	Chandra	R	80
77	Railing	Himachal Pradesh	Chandra	S	155
78	Gondhala	Himachal Pradesh	Chandra	R	90
79	Gyspa	Himachal Pradesh	Bhaga	S	395
80	Jhalma	Himachal Pradesh	Chenab	R	275
81	Bardang	Himachal Pradesh	Chenab	R	145
82	Udaipur	Himachal Pradesh	Miyar Nallah	R	36
83	Seli	Himachal Pradesh	Chanab	R	150
84	Raoli	Himachal Pradesh	Chanab	R	715
85	Sach Khas	Himachal Pradesh	Sarchu	R	70
86	Giri Bata	Himachal Pradesh	Giri	R	24
87	Gajpani Gargh Dogri	Himachal Pradesh	Pabar	R	7
88	Chirgaon Jabora	Himachal Pradesh	Pabar	R	16
89	Jebera Majgaon	Himachal Pradesh	Pabar	R	10
90	Lasa Dogri Pangla	Himachal Pradesh	Pabar	R	22
91	Pangula Sanail	Himachal Pradesh	Pabar	R	26
	Total (Himachal Pradesh)				18820
1	Mukerian Canal	Punjab	Beas	R	207
2	Anadpur Sahib, Ph-I & II	Punjab	Sutlej	R	134
3	Thein	Punjab	Ravi	S	325
4	Shahpur	Punjab	Ravi	R	215
5	UBDC	Punjab	Ravi	R	90
	Total (Punjab)				971
1	Western Yamuna Canal	Haryana	Yamuna	R	64
	Total (Haryana)				64
1	Gandhi Sagar	Rajasthan	Chambal	S	115
2	Rana Pratap Sagar	Rajasthan	Chambal	S	172
3	Jawahar Sagar	Rajasthan	Chambal	R	99
4	Right Bank Main Canal	Rajasthan	Chambal	R	6
5	Ghorwara	Rajasthan	Anas	S	4
6	Mahi Bajaj Sagar St-II	Rajasthan	Mahi	R	60
7	Mahi Bajaj Sagar St-I	Rajasthan	Mahi	S	37
8	Jakham	Rajasthan	Jakham	S	3
	Total (Rajasthan)				496

1	Nakot Patlasu	Uttarakhand	Pabar	R	43
2	Kotla Dodara	Uttarakhand	Rupin	R	8
3	Sewagaon Pigha	Uttarakhand	Rupin	R	15
4	Pisha Naitwar	Uttarakhand	Rupin	R	30
5	Rala Sunkundi	Uttarakhand	Supin	R	17
6	Sunkundi Sankri	Uttarakhand	Supin	R	15
7	Osla Dhatmir	Uttarakhand	Tons	R	18
8	Taluka Saul	Uttarakhand	Tons	R	39
9	Sankri Kunare	Uttarakhand	Tons	R	33
10	Naitwar Mori	Uttarakhand	Tons	R	70
11	Ugmir	Uttarakhand	Tons	R	28
12	Tuini	Uttarakhand	Tons	R	128
13	Kishau Dam	Uttarakhand	Tons	S	350
14	Chibro	Uttarakhand	Tons	R	245
15	Khodri	Uttarakhand	Tons	R	130
16	Kuthnaur Gangani	Uttarakhand	Yamuna	R	15
17	Barkot Billa	Uttarakhand	Yamuna	R	25
18	Kuwa ford	Uttarakhand	Yamuna	R	42
19	Lakhwar Vyasi-I	Uttarakhand	Yamuna	S	115
20	Lakhwar Vyasi-II	Uttarakhand	Yamuna	R	80
21	Dhakrani	Uttarakhand	Yamuna	R	60
22	Dhalipur	Uttarakhand	Yamuna	R	100
23	Kulhal	Uttarakhand	Yamuna	R	65
24	Nelang	Uttarakhand	Jadh Ganga	R	190
25	Karmoli	Uttarakhand	Jadh Ganga	R	190
26	Jadh Ganga	Uttarakhand	Jadh Ganga	R	110
27	Gangotri	Uttarakhand	Bhagirathi	R	70
28	Bhairon Ghati	Uttarakhand	Bhagirathi	R	60
29	Harsil Dam	Uttarakhand	Bhagirathi	R	350
30	Lohari Nag Tharang	Uttarakhand	Bhagirathi	R	360
31	Pala Bhela Tipri	Uttarakhand	Bhagirathi	R	165
32	Bhela Tipri	Uttarakhand	Bhagirathi	R	100
33	Maneri Bhali I	Uttarakhand	Bhagirathi	R	165
34	Maneri Bhali II	Uttarakhand	Bhagirathi	R	235
35	Diulong Sumangaon	Uttarakhand	Bhagirathi	R	26
36	Dhargaon Jhandarwali	Uttarakhand	Bhagirathi	R	29
37	Jamolna Ghansyali	Uttarakhand	Bhagirathi	R	44
38	Tehri Dam Stage-I	Uttarakhand	Bhagirathi	S	740
39	Koteswar	Uttarakhand	Bhagirathi	R	215
40	Kotlibhel	Uttarakhand	Bhagirathi	S	1875
41	Rishikesh Hardwar	Uttarakhand	Bhagirathi	R	360
42	Nayar Dam	Uttarakhand	Nayar	S	34
43	Badri Nath	Uttarakhand	Alaknanda	R	260
44	Benakuli	Uttarakhand	Alaknanda	R	40
45	Vishnu Prayag	Uttarakhand	Alaknanda	R	430
46	Khel Kuran Neti	Uttarakhand	Dhauli Ganga	R	49
47	Niti Ghansali	Uttarakhand	Dhauli Ganga	R	32
48	Bampa Kurkuti	Uttarakhand	Dhauli Ganga	R	60
49	Girthi Ganga	Uttarakhand	Girthi Ganga	R	34
50	Malari Jhelam	Uttarakhand	Dhauli Ganga	R	90
51	Jhelam Tamak	Uttarakhand	Dhauli Ganga	R	150
52	Tamak Lata	Uttarakhand	Dhauli Ganga	R	200
53	Deodi	Uttarakhand	Rishi Ganga	R	65
54	Rishi Ganga I	Uttarakhand	Rishi Ganga	R	115
55	Rishi Ganga II	Uttarakhand	Rishi Ganga	R	65
56	Lata Tapoban	Uttarakhand	Dhauli Ganga	R	320

57	Tapoban Chunar	Uttarakhand	Dhaul Ganga	R	485
58	Vishnu Gad Pipalkoti	Uttarakhand	Alaknanda	R	480
59	Jhinji Pagna Malla	Uttarakhand	Birahi Ganga	R	16
60	Gohana Tal	Uttarakhand	Birahi Ganga	S	95
61	Bowala Nand Prayag	Uttarakhand	Alaknanda	R	170
62	Nand Prayag Langasu	Uttarakhand	Alaknanda	R	180
63	Khatima	Uttarakhand	Sarda	R	41
64	Bhadang Tikh	Uttarakhand	Pindar	R	9
65	Tikh Gurupha	Uttarakhand	Pindar	R	26
66	Malkhet Dam	Uttarakhand	Pindar	S	37
67	Devasari Dam	Uttarakhand	Pindar	S	78
68	Banoli Nalgam	Uttarakhand	Pindar	R	55
69	Bogli Nauli	Uttarakhand	Pindar	R	16
70	Mandakini	Uttarakhand	Mandakini	R	36
71	Uttyasu Dam	Uttarakhand	Alaknanda	S	1140
72	Srinagar	Uttarakhand	Alaknanda	R	375
73	Ramganga Dam (Kalagarh)	Uttarakhand	Ramganga	S	198
74	Bokang Bailing	Uttarakhand	Dhaul Ganga	R	145
75	Chhunger Chal	Uttarakhand	Dhaul Ganga	R	145
76	Sela Urthing	Uttarakhand	Dhaul Ganga	R	165
77	Urthing Sobla	Uttarakhand	Dhaul Ganga	R	340
78	Sobla Jhimirigaon	Uttarakhand	Dhaul Ganga	R	145
79	Khet Tawaghat	Uttarakhand	Dhaul Ganga	R	225
80	Garba Tawaghat	Uttarakhand	Sarda	R	195
81	Tawaghat Dharchula	Uttarakhand	Sarda	R	310
82	Kalika Dantu	Uttarakhand	Sarda	R	140
83	Mapang Bogudiyar	Uttarakhand	Gori Ganga	R	185
84	Bogudiyar Sirkaribhyol	Uttarakhand	Gori Ganga	R	240
85	Sirkaribhyol Rupsiya Bagar	Uttarakhand	Gori Ganga	R	145
86	Rupsiya Bagar Khasiyabara	Uttarakhand	Gori Ganga	R	280
87	Devibagar Khartoli	Uttarakhand	Gori Ganga	R	40
88	Khartoli Lumti Talli	Uttarakhand	Gori Ganga	R	105
89	Garjia Dam	Uttarakhand	Gori Ganga	S	295
90	Bageshwar Raikholi Chak	Uttarakhand	Sarju	R	6
91	Raikholi Chak Kuthani	Uttarakhand	Sarju	R	7
92	Parauli Jingal	Uttarakhand	Sarju	R	10
93	Ramganga Dam	Uttarakhand	Ramganga	S	75
94	Pancheshwar - I	Uttarakhand	Sarda	S	1335
95	Pancheshwar - II	Uttarakhand	Sarda	S	1065
96	Tanakpur	Uttarakhand	Sarda	R	210
97	Ganga Canal	Uttarakhand	Ganga	R	31
	Total (Uttarakhand)				18175
1	Khara	Uttar Pradesh	Yamuna	R	160
2	Matatila	Uttar Pradesh	Betwa	S	31
3	Dhukwan	Uttar Pradesh	Betwa	R	20
4	Lahar	Uttar Pradesh	Betwa	R	20
5	Orchha	Uttar Pradesh	Betwa	R	39
6	Jamni	Uttar Pradesh	Jamni	S	5
7	Rihand	Uttar Pradesh	Rihand	S	300
8	Obra	Uttar Pradesh	Rihand	R	99
9	Ganga Canal	Uttar Pradesh	Ganga	R	14
10	Eastern Yamuna Canal	Uttar Pradesh	Yamuna	R	35
	Total (Uttar Pradesh)				723
311	Total (Northern Region)				53395

	Western Region				
1	Gopad HE Schemes	Madhya Pradesh	Gopad	S	21
2	Nagurna	Madhya Pradesh	Gopad	S	11
3	Chorhat	Madhya Pradesh	Sone	S	55
4	Bansagar	Madhya Pradesh	Sone	S	45
5	Majhauri	Madhya Pradesh	Sone	S	17
6	Simdi	Madhya Pradesh	Sone	S	13
7	Beehar	Madhya Pradesh	Tons	R	30
8	Tons HE Schemes	Madhya Pradesh	Tons	R	315
9	Rajghat	Madhya Pradesh	Betwa	S	29
10	Dhurwara	Madhya Pradesh	Betwa	R	28
11	Rusa	Madhya Pradesh	Narmada	S	9
12	Dharampur	Madhya Pradesh	Narmada	S	7
13	Deori	Madhya Pradesh	Narmada	S	13
14	Biswani (Rosra)	Madhya Pradesh	Narmada	S	22
15	Burhner	Madhya Pradesh	Burhner	S	28
16	Basania	Madhya Pradesh	Narmada	R	60
17	Bargi	Madhya Pradesh	Narmada	S	115
18	Sitarewa	Madhya Pradesh	Shakkar	S	10
19	Jahanpur	Madhya Pradesh	Narmada	S	75
20	Narmada Sagar	Madhya Pradesh	Narmada	S	675
21	Omkareshwar	Madhya Pradesh	Narmada	R	290
22	Maheshwar	Madhya Pradesh	Narmada	R	225
23	Ratamati	Madhya Pradesh	Tapti	S	10
24	Ghutighat	Madhya Pradesh	Tapti	S	14
25	Nawatha	Madhya Pradesh	Tapti	R	13
26	Sone	Madhya Pradesh	Sone	S	5
27	Deo-Ama	Madhya Pradesh	Deo-Ama	S	13
28	Ataria	Madhya Pradesh	Wainganga	S	15
29	Tikari	Madhya Pradesh	Bawanthri	S	10
30	Kahan-I	Madhya Pradesh	Kanhan	S	24
31	Kahan-II	Madhya Pradesh	Kanhan	R	14
32	Kanhan-III	Madhya Pradesh	Kanhan	R	23
33	Kanhan-IV	Madhya Pradesh	Kanhan	S	9
	Total (Madhya Pradesh)				2243
1	Joka	Chhattisgarh	Kanhar	S	28
2	Matigoda	Chhattisgarh	Mahan	S	18
3	Kharauli	Chhattisgarh	Mahan	R	46
4	Pasal	Chhattisgarh	Rihand	S	55
5	Duniadhin	Chhattisgarh	Rihand	S	80
6	Karri	Chhattisgarh	Rihand	R	70
7	Hasdeo (Bango)	Chhattisgarh	Hasdeo	S	55
8	Konta	Chhattisgarh	Sabari	R	65
9	Chitrakot	Chhattisgarh	Indravati	S	38
10	Bodhghat	Chhattisgarh	Indravati	S	295
11	Gudra	Chhattisgarh	Gudra	S	22
12	Kutru-I	Chhattisgarh	Indravati	S	100
13	Kutru-II	Chhattisgarh	Indravati	S	155
14	Nugur-I	Chhattisgarh	Indravati	S	160
15	Bhopalapatnam	Chhattisgarh	Indravati	S	715
16	Nugur-II	Chhattisgarh	Indravati	S	270
17	Kotri	Chhattisgarh	Kotri	S	70
	Total (Chhattisgarh)				2242
1	Damanganga St.-I	Gujarat	Damanganga	S	14
2	Damanganga St.-II	Gujarat	Damanganga	R	6
3	Ukai Canal PH	Gujarat	Tapti	R	7

4	Ukai Dam PH	Gujarat	Tapti	S	120
5	Sardar Sarovar	Gujarat	Narmada	S	470
6	Panam	Gujarat	Panam	S	2
	Total (Gujarat)				619
1	Nandvel	Maharashtra	Purna	S	11
2	Girna	Maharashtra	Girna	S	4
3	Surya	Maharashtra	Surya	S	4
4	Pinjal I	Maharashtra	Pinjal	S	4
5	Pinjal II	Maharashtra	Pinjal	S	7
6	Vaitarna I	Maharashtra	Vaitarna	S	28
7	Vaitarna II	Maharashtra	Vaitarna	R	7
8	Vaitarna III	Maharashtra	Vaitarna	R	7
9	Bhatsa R.B.C.	Maharashtra	Bhatsa	S	3
10	Bhatsa R.B.C.	Maharashtra	Bhatsa	S	10
11	Kalu	Maharashtra	Kalu	S	16
12	Dolwahal	Maharashtra	Kundalik	R	10
13	Bhira Tail Race	Maharashtra	Kundalik	R	55
14	Kapshi	Maharashtra	Kapshi	S	13
15	Bav	Maharashtra	Bav	S	22
16	Kajvi	Maharashtra	Kajvi	S	14
17	Machkandi	Maharashtra	Machkandi	S	11
18	Vaghotan	Maharashtra	Vaghotan	S	19
19	Gad	Maharashtra	Gad	S	21
20	Tillari	Maharashtra	Tillari	S	39
21	Pench	Maharashtra	Pench	S	85
22	Pathri	Maharashtra	Wainganga	S	40
23	Wainganga	Maharashtra	Wainganga	S	150
24	Samda	Maharashtra	Pranhita	R	95
25	Ghargaon	Maharashtra	Pranhita	R	105
26	Kunghara	Maharashtra	Pranhita	R	115
27	Bande	Maharashtra	Bande	S	15
28	Pranhita	Maharashtra	Pranhita	S	310
29	Manusdari	Maharashtra	Aran	S	7
30	Saiphall	Maharashtra	Penganga	R	20
31	Sahasrakund II	Maharashtra	Penganga	R	12
32	Sahasrakund I	Maharashtra	Penganga	S	29
33	Purna (Yeldari)	Maharashtra	Purna	S	18
34	Bhandardara III	Maharashtra	Pravara	R	10
35	Bhandardara II	Maharashtra	Pravara	R	14
36	Bhandardara I	Maharashtra	Pravara	S	17
37	Manikdoh	Maharashtra	Kukadi	S	8
38	Bibi	Maharashtra	Bhima	S	7
39	Bhivpuri	Maharashtra	Andhra	S	85
40	Khopoli	Maharashtra	Ganga	S	70
41	Pauna	Maharashtra	Pauna	S	5
42	Bhira	Maharashtra	Mula	S	215
43	Virbaji	Maharashtra	Mutha	S	11
44	Panshet	Maharashtra	Mutha	S	8
45	Bhatghar	Maharashtra	Nira	S	18
46	Vir	Maharashtra	Nira	S	9
47	Girvi	Maharashtra	Nira	S	8
48	Ujjani	Maharashtra	Bhima	S	17
49	Deodi	Maharashtra	Bhima	R	9
50	Kas	Maharashtra	Urmodi	S	7
51	Koyna St-IV	Maharashtra	Koyna	S	350
52	Koyna St-III	Maharashtra	Koyna	R	145
53	Koyna St-I & II	Maharashtra	Koyna	S	245

54	Koyna Dam PH	Maharashtra	Koyna	S	65
55	Patharpunj	Maharashtra	Varna	S	29
56	Kadvi	Maharashtra	Varna	S	215
57	Varna	Maharashtra	Varna	S	27
58	Kasari-I	Maharashtra	Kasari	S	215
59	Kasari-II	Maharashtra	Kasari	R	13
60	Kubhi-I	Maharashtra	Penganga	S	170
61	Kumbhi-II	Maharashtra	Penganga	R	27
62	Dudhganga	Maharashtra	Dudhganga	S	15
63	Hiranyakeshi II	Maharashtra	Vedganga	S	405
64	Hiranyakeshi I	Maharashtra	Hiranyakeshi	S	24
	Total (Maharashtra)				3769
1	Sonal	Goa	Mandavi	S	55
	Total (Goa)				55
121	Total (Western Region)				8928
	Southern Region				
1	Singur	Telangana	Manjra	S	9
2	Nizamsagar	Telangana	Manjra	S	11
3	Pochampad	Telangana	Godavari	S	47
4	Kuntala	Telangana	Kaddam	S	19
5	Inchampalli	Telangana	Godavari	S	920
6	singareddi	Telangana	Godavari	R	250
7	Dummagudem	Telangana	Godavari	R	360
8	Pulichintala	Telangana	Krishna	S	180
9	Nagarjunasagar LBC	Telangana	Krishna	R	42
10	Nagarjunasagar Dam PH	Telangana	Krishna	S	115
11	Priyadarshini	Telangana	Krishna	R	105
	Total (Telangana)				2058
1	Jalaput	Andhra Pradesh	Machkund	S	25
2	Machkund	Andhra Pradesh	Machkund	R	205
3	Balimela	Andhra Pradesh	Sileru	S	65
4	Upper Sileru	Andhra Pradesh	Sileru	S	150
5	Donkarai Canal	Andhra Pradesh	Sileru	S	44
6	Lower Sileru	Andhra Pradesh	Sileru	R	385
7	Polavaram	Andhra Pradesh	Godavari	S	545
8	Pondugala	Andhra Pradesh	Krishna	S	95
9	Nagarjunasagar RBC	Andhra Pradesh	Krishna	R	45
10	Srisailam	Andhra Pradesh	Krishna	S	775
11	Tungbhadra HLC	Andhra Pradesh	Bhadra	R	32
	Total (Andhra Pradesh)				2366
1	Kotni	Karnataka	Mandavi	S	24
2	Krishnapur	Karnataka	Mandavi	R	210
3	Kalinadi I (Supa)	Karnataka	Kalinadi	S	140
4	Kalinadi I (Dandeli II)	Karnataka	Kalinadi	R	60
5	Kalinadi I (Nagjhari)	Karnataka	Kalinadi	S	855
6	Kalinadi I (Kadassali)	Karnataka	Kalinadi	S	95
7	Kalinadi I (Kadra)	Karnataka	Kalinadi	S	100
8	Kalinadi I (Mardi)	Karnataka	Kalinadi	S	175
9	Gangavali (Bedti) St.I	Karnataka	Gangavali	S	380
10	Gangavali (Sonda) St.II	Karnataka	Gangavali	S	105
11	Aghnashini	Karnataka	Aghnashini	S	370
12	Bannehole	Karnataka	Bannehole	S	55
13	Linganamakki	Karnataka	Saravathi	S	125
14	Saravathi	Karnataka	Saravathi	R	1365
15	Saravathi Tail Race	Karnataka	Saravathi	R	157

16	Mani Dam	Karnataka	Varahi	S	14
17	Varahi	Karnataka	Varahi	R	305
18	Machchattu	Karnataka	Varahi	R	35
19	Neria	Karnataka	Neria	S	12
20	Netravathy	Karnataka	Netravathy	S	60
21	Sirpadi	Karnataka	Netravathy	R	38
22	Gundia	Karnataka	Gundia	S	20
23	Kumaradhari	Karnataka	Kumaradhari	S	49
24	Barapole I	Karnataka	Barapole	S	335
25	Jaldurg	Karnataka	Krishna	R	270
26	Narayanpur	Karnataka	Krishna	R	70
27	Almatti	Karnataka	Krishna	S	160
28	Ghataprabha	Karnataka	Tungabhadra	S	41
29	Mallapur	Karnataka	Tungabhadra	R	11
30	Shivpur	Karnataka	Tungabhadra	R	26
31	Munirabad	Karnataka	Tungabhadra	S	41
32	Hampi	Karnataka	Tungabhadra	R	34
33	Tungbhadra RBC	Karnataka	Tungabhadra	S	27
34	Bhadra LBC	Karnataka	Bhadra	R	4
35	Tungbhadra Dam PH	Karnataka	Bhadra	S	36
36	Bhadra RBC	Karnataka	Bhadra	R	18
37	Holalu	Karnataka	Bhadra	S	21
38	Krishnarajasagar	Karnataka	Cauvery	S	55
39	Kabini	Karnataka	Kabini	S	19
40	Shivasamudram	Karnataka	Cauvery	R	44
41	Shimsa PH-I	Karnataka	Cauvery	R	31
42	Cauvery PH-I	Karnataka	Cauvery	R	235
43	Shimsa PH-II	Karnataka	Shimsa	R	42
44	Arkavathi	Karnataka	Arkavathi	R	42
45	Cauvery PH-II	Karnataka	Cuvery	R	165
46	Cauvery PH-III	Karnataka	Cauvery	R	90
47	Cauvery PH-IV	Karnataka	Cauvery	R	36
	Total (Karnataka)				6602
1	Baraple II	Kerala	Barapole	R	85
2	Kuttiyadi	Kerala	Kuttiyadi	S	80
3	Chalipuzha	Kerala	Baypore	S	50
4	Cholathipuzha	Kerala	Baypore	S	80
5	Pandiyar Punnapuzha II	Kerala	Pandiyar	R	85
6	Silent Valley	Kerala	Kundipuzha	S	130
7	Idukki I & II	Kerala	Periyar	S	565
8	Iddukki III	Kerala	Periyar	S	130
9	Lower Periyar	Kerala	Periyar	R	145
10	Pallivasal Replacement	Kerala	Mudirapuzha	S	190
11	Sengulam	Kerala	W. Kallar	S	55
12	Anayirankal	Kerala	Panniar	S	11
13	Rajakad P/H	Kerala	Mudirapuzha	S	23
14	Mudirapuzha	Kerala	Mudirapuzha	R	17
15	Panniar Perinjankutty	Kerala	Panniar	R	10
16	Panniar	Kerala	Panniar	S	40
17	Neriamangalam	Kerala	Mudirapuzha	R	65
18	Perinjankutty	Kerala	Perinjankutty	S	120
19	Manali	Kerala	Idamlayar	S	36
20	Kudal	Kerala	Idamlayar	S	47
21	Manikulam	Kerala	Puyankutty	S	14
22	Puyanukutty	Kerala	Puyanukutty	S	285

23	Idamalayar	Kerala	Idamalayar	S	55
24	Sholaiyar	Kerala	Sholaiyar	S	75
25	Anaikayam	Kerala	Chalakuudi	S	12
26	Karapara	Kerala	Karapara	S	12
27	Pullikallar	Kerala	Kuriakutty	S	14
28	Kuriakutty	Kerala	Kuriakutty	S	65
29	Poringalkuthu(R.B)	Kerala	Chalakuudi	S	65
30	Poringalkuthu(L.B)	Kerala	Chalakuudi	S	60
31	Adirapally	Kerala	Chalakuudi	R	65
32	Sabarigiri	Kerala	Pamba	S	410
33	Kakkad	Kerala	Kakkad	R	75
34	Lower Sabarigiri	Kerala	Kakkad	S	55
35	Twin Kallar Multipurpose	Kerala	Achankovil	S	65
36	Kallada	Kerala	Kallada	S	15
37	Upper Pandiyar II	Kerala	Pandiyar	R	8
38	Manthavadi	Kerala	Kabini	S	200
	Total (Karnataka)				3514
1	Upper Pandiyar I	Tamil Nadu	Pandiyar	S	11
2	Pandiyar-Punnapuzha I	Tamil Nadu	Pandiyar	S	125
3	Akkamalai	Tamil Nadu	Bharatpuzha	R	14
4	Upper Aliyar	Tamil Nadu	Bharatpuzha	S	90
5	Periyar Lake	Tamil Nadu	Periyar	S	145
6	Nirar	Tamil Nadu	Idamalayar	R	26
7	Sholaiyar- I	Tamil Nadu	Sholaiyar	S	75
8	Sholaiyar- II	Tamil Nadu	Sholaiyar	S	14
9	Sarkarpathi	Tamil Nadu	Periyar	S	33
10	Kodayar I	Tamil Nadu	Kodayar	S	65
11	Kodayar II	Tamil Nadu	Kodayar	R	30
12	Paraliyar	Tamil Nadu	Paraliyar	R	39
13	Mettur Dam PH	Tamil Nadu	Cauvery	S	32
14	Mettur Tunnel PH	Tamil Nadu	Cauvery	S	100
15	Lower Mettur	Tamil Nadu	Cauvery	R	115
16	Bhawani Kattalai	Tamil Nadu	Cauvery	R	115
17	Lower Bhawani	Tamil Nadu	Bhavani	S	34
18	Lower Moyar	Tamil Nadu	Moyar	S	33
19	Moyar	Tamil Nadu	Moyar	R	75
20	Pykara (Singara)	Tamil Nadu	Moyar	S	115
21	Pykara (Ultimate)	Tamil Nadu	Moyar	S	60
22	parson's Valley (Kundah 6)	Tamil Nadu	Moyar	S	12
23	parson's Valley (Kundah 5)	Tamil Nadu	Bhavani	S	16
24	Avalanche Em'ld (Kundah-I)	Tamil Nadu	Kundah	S	70
25	Kundapallam (Kundah 2)	Tamil Nadu	Kundah	R	160
26	Pengumbahalla (Kundah 3)	Tamil Nadu	Kundah	R	95
27	Pillur (Kundah-4)	Tamil Nadu	Bhavani	S	25
28	Nellithorai	Tamil Nadu	Bhavani	S	13
29	Koonoor - Kallar	Tamil Nadu	Kallar	R	10
30	Upper Amravathi	Tamil Nadu	Amravathi	S	20
31	Shanmukhanadi	Tamil Nadu	Amravathi	S	23
32	Kunnur	Tamil Nadu	Suruliar	R	13
33	Kambam	Tamil Nadu	Suruliar	R	10
34	Tumbaikuntam	Tamil Nadu	Vaigai	S	7

35	Vairavan	Tamil Nadu	Suruliar	R	24
36	Surullar	Tamil Nadu	Suruliar	R	30
37	Servaliar	Tamil Nadu	Servaiar	S	13
38	Papanasam	Tamil Nadu	Tambraparni	R	31
	Total (Tamil Nadu)				1918
145	Total (Southern Region)				16458
	Eastern Region				
1	Subernrekha St-I	Jharkhand	Subernrekha	S	24
2	Subernrekha St-II	Jharkhand	Subernrekha	R	12
3	Kanchi	Jharkhand	Kanchi	S	13
4	Subernrekha MPP	Jharkhand	Subernrekha	S	30
5	Koel Karo St-II (Basia PH)	Jharkhand	S.Koel	S	16
6	Koel Karo St-II (Loenga PH)	Jharkhand	S.Koel	R	7
7	Koel Karo St-I (Raitoli PH)	Jharkhand	S.Koel	R	19
8	Koel Karo St-I (Lumpungkhel PH)	Jharkhand	N.Koel	S	145
9	Serengada	Jharkhand	N.Koel	R	37
10	Dolki	Jharkhand	Brahmani	R	16
11	South Karo	Jharkhand	S.Karo	S	10
12	Upper Sankh St-I	Jharkhand	Sankh	S	6
13	Upper Sankh St-II	Jharkhand	Sankh	R	55
14	Lower Sankh	Jharkhand	Sankh	S	55
15	Dumki	Jharkhand	Sankh	R	20
16	Panchet Hill	Jharkhand	Damodar	S	40
17	Maithon	Jharkhand	Damodar	S	60
18	Tilaiya Dam	Jharkhand	Damodar	S	4
19	Kutku	Jharkhand	N.Koel	S	24
20	Khadwan	Jharkhand	Sone	S	160
	Total (Jharkhand)				753
1	Sone Canal	Bihar	Sone	R	10
2	Kosi Canal	Bihar	Kosi	R	20
3	Eastern Gandak Canal	Bihar	Gandak	R	40
	Total (Bihar)				70
1	Burhabalang	Odisha	Burhabalang	S	4
2	Salandi(Hadagarh)	Odisha	Salandi	S	3
3	Kanupar	Odisha	Baitarni	S	5
4	Bhimkund	Odisha	Baitarni	S	29
5	Baljori	Odisha	Baitarni	S	230
6	Lodani	Odisha	Brahmani	S	42
7	Rengali	Odisha	Brahmani	S	135
8	Naraj	Odisha	Mahanadi	S	215
9	Tikkarpara	Odisha	Mahanadi	S	205
10	Hirakud St-III	Odisha	Mahanadi	R	175
11	Hirakud St-II	Odisha	Mahanadi	R	155
12	Hirakud St-I	Odisha	Mahanadi	S	150
13	Upper Indravati	Odisha	Indravati	S	585
14	Upper Kolab	Odisha	Sabari	S	280
15	Lower Kolab	Odisha	Sabari	S	375
16	Balimela	Odisha	Balimela	S	405
17	Potteru PH-I	Odisha	Potteru	R	3
18	Potteru PH-II	Odisha	Potteru	R	3
	Total (Odisha)				2999

1	Balason	West Bengal	Balason	R	33
2	Teesta High Dam	West Bengal	Teesta	S	2505
3	Ramam-I	West Bengal	Rmmam	ROR	70
4	Ramam-II	West Bengal	Rmmam	ROR	85
5	Ramam-III	West Bengal	Rmmam	ROR	100
6	Jaldhaka-I	West Bengal	Jaldhaka	ROR	36
7	Jaldhaka-II	West Bengal	Jaldhaka	ROR	12
	Total (West Bengal)				2841
1	Kalep	Sikkim	Tista	ROR	41
2	Talem	Sikkim	Tista	ROR	65
3	Jedang	Sikkim	Lhonak	ROR	185
4	Zema	Sikkim	Tista	ROR	125
5	Serum	Sikkim	Sebokung	ROR	50
6	Lachung	Sikkim	Lachung	ROR	30
7	Ringpi	Sikkim	Ringpi	ROR	160
8	Lingza	Sikkim	Ringpi	ROR	160
9	Rukel	Sikkim	Tolung	ROR	90
10	Rangyong	Sikkim	Tolung	ROR	175
11	Dikchu	Sikkim	Dikchu	ROR	90
12	Chhota Pathing	Sikkim	Rongpo	ROR	55
13	Rongni Storage	Sikkim	Rongni	S	95
14	Mana	Sikkim	G.Ranjit	ROR	37
15	Yoksam	Sikkim	Rathong	ROR	44
16	Mamium	Sikkim	G.Ranjit	ROR	175
17	Gompa	Sikkim	G.Ranjit	ROR	46
18	Ligship	Sikkim	G.Ranjit	ROR	115
19	Chunthang	Sikkim	Tista	ROR	830
20	Singhik	Sikkim	Tista	ROR	685
21	Panan	Sikkim	Tolung	ROR	230
22	Mangan	Sikkim	Tista	ROR	445
23	Samdong	Sikkim	Tista	ROR	280
24	Lower Lagyap	Sikkim	Rongpi	ROR	40
25	Chuzachen	Sikkim	Rongpo	ROR	13
26	Suntelitar	Sikkim	Rongpo	ROR	25
	Total (Sikkim)				4286
74	Total (Eastern Region)				10949
	North Eastern				
1	Hutong	Arunachal Pr.	Luhit	ROR	950
2	Gimliang	Arunachal Pr.	Dau	ROR	31
3	Raigan	Arunachal Pr.	Delai	ROR	32
4	Tidding-I	Arunachal Pr.	Tiding	ROR	31
5	Kalai	Arunachal Pr.	Luhit	ROR	2550
6	Demwe	Arunachal Pr.	Luhit	S	3765
7	Chemba	Arunachal Pr.	Tengapam	ROR	12
8	Toyam	Arunachal Pr.	Tengapam	ROR	13
9	Tidding-II	Arunachal Pr.	Tiding	ROR	22
10	Diyun Dam	Arunachal Pr.	Noadihing	S	25
11	Duliang	Arunachal Pr.	Dau	ROR	25
12	Etalin	Arunachal Pr.	Dibang	ROR	3045
13	Emra-II	Arunachal Pr.	Emra	ROR	870
14	Amulin	Arunachal Pr.	Matun	ROR	235
15	Emini	Arunachal Pr.	Matun	ROR	295
16	Agoline	Arunachal Pr.	Dibang	ROR	235
17	Mulinye	Arunachal Pr.	Tangon	ROR	335
18	Emra-I	Arunachal Pr.	Emra	ROR	275
19	Tato-II	Arunachal Pr.	Siyom	ROR	360

20	Naying	Arunachal Pr.	Siyom	ROR	495
21	Passighat	Arunachal Pr.	Dihang	S	14685
22	Mihundon	Arunachal Pr.	Dibang	ROR	145
23	Attunli	Arunachal Pr.	Angon	ROR	175
24	Elango	Arunachal Pr.	Ahi	ROR	180
25	Yangsang	Arunachal Pr.	Yangsang	ROR	70
26	Rigong	Arunachal Pr.	Rigong	ROR	130
27	Mirak	Arunachal Pr.	Sigong	ROR	160
28	Minnying	Arunachal Pr.	Sigong	ROR	195
29	Pauk	Arunachal Pr.	Yarjap	ROR	50
30	Heo	Arunachal Pr.	Yarjap	ROR	90
31	Jarong	Arunachal Pr.	Siyom	ROR	85
32	Hirong	Arunachal Pr.	Siyom	ROR	180
33	Tato-I	Arunachal Pr.	Yarjap	ROR	80
34	Gameng	Arunachal Pr.	Sike	ROR	37
35	Jaru	Arunachal Pr.	Yamne	S	60
36	Yapin	Arunachal Pr.	Yamne	ROR	95
37	Pengging	Arunachal Pr.	Yamne	ROR	60
38	Sesseri	Arunachal Pr.	Sesseri	ROR	55
39	Dibang Stor.	Arunachal Pr.	Dibang	S	2355
40	Oju-I	Arunachal Pr.	Subansiri	ROR	1925
41	Oju-II	Arunachal Pr.	Subansiri	ROR	2580
42	Niare	Arunachal Pr.	Subansiri	ROR	1405
43	Naba	Arunachal Pr.	Subansiri	ROR	1290
44	Hegio	Arunachal Pr.	Kurung	ROR	250
45	Kurung Dam-I	Arunachal Pr.	Kurung	S	200
46	Kurung Dam-II	Arunachal Pr.	Kurung	ROR	115
47	Tammu	Arunachal Pr.	Siu	ROR	55
48	Milli	Arunachal Pr.	Kurung	ROR	75
49	Sape	Arunachal Pr.	Kurung	ROR	38
50	Chomi	Arunachal Pr.	Kurung	ROR	80
51	Chela	Arunachal Pr.	Kurung	ROR	75
52	Nyepin	Arunachal Pr.	Payam	ROR	32
53	Hiya	Arunachal Pr.	Payam	ROR	41
54	Tamen	Arunachal Pr.	Kamala	ROR	175
55	Par	Arunachal Pr.	Dikrong	ROR	65
56	Dardu	Arunachal Pr.	Dikrong	ROR	60
57	Yazali Storage	Arunachal Pr.	Ranga	S	95
58	Dudmukh Storage	Arunachal Pr.	Dikrong	S	170
59	Subansiri Dam	Arunachal Pr.	Subansiri	S	4520
60	Tago-I	Arunachal Pr.	Yarjap	ROR	55
61	Tago-II	Arunachal Pr.	Siyom	ROR	13
62	Yazali Div.II	Arunachal Pr.	Ranga	ROR	415
63	Siri	Arunachal Pr.	Zjiya Dhol	S	16
64	Kimin	Arunachal Pr.	Panyor	ROR	22
65	Bichom-II	Arunachal Pr.	Bichom	ROR	205
66	Bhareli Lift Dam-I	Arunachal Pr.	Kameng	ROR	240
67	Bhareli Lift Dam-II	Arunachal Pr.	Kameng	ROR	330
68	Tenga	Arunachal Pr.	Tenga	S	275
69	Kameng Dam	Arunachal Pr.	Kameng	S	280
70	Kimi	Arunachal Pr.	Bichom	ROR	535
71	Chanda	Arunachal Pr.	Kameng	ROR	110
72	Badao	Arunachal Pr.	Kameng	ROR	120
73	Rebby	Arunachal Pr.	Kameng	ROR	30
74	Para	Arunachal Pr.	Kameng	ROR	55
75	Talong	Arunachal Pr.	Kameng	S	150
76	Satuk	Arunachal Pr.	Pachuk	ROR	47

77	Kapak Leyak	Arunachal Pr.	Pachuk	ROR	195
78	Lachung	Arunachal Pr.	Pachi	ROR	41
79	Phanchung	Arunachal Pr.	Pachi	ROR	90
80	Utung	Arunachal Pr.	Bichom	ROR	110
81	Nazong	Arunachal Pr.	Bichom	ROR	65
82	Dibbin	Arunachal Pr.	Bichom	ROR	95
83	Khuitam	Arunachal Pr.	Digen	ROR	29
84	But	Arunachal Pr.	Digen	ROR	26
85	Mathithing	Arunachal Pr.	Digen	ROR	40
86	Bichom Storage-I	Arunachal Pr.	Bichom	S	190
87	Pichang	Arunachal Pr.	Kuru	S	31
88	Tarang Warang	Arunachal Pr.	Pacha	ROR	65
89	Sepla	Arunachal Pr.	Pacha	ROR	46
90	Pasar	Arunachal Pr.	Pasar	S	32
91	Pakke	Arunachal Pr.	Pakke	ROR	120
92	Seba	Arunachal Pr.	Pakke	ROR	105
93	Papu	Arunachal Pr.	Papu	S	160
94	Tabay	Arunachal Pr.	Pachuk	ROR	24
95	Doom	Arunachal Pr.	Digen	ROR	4
96	Djrang	Arunachal Pr.	Sandti	ROR	6
97	Thembang	Arunachal Pr.	Digen	ROR	20
98	Chaurate	Arunachal Pr.	Papu	ROR	25
99	Yangman Stor.	Arunachal Pr.	Burhi Dihing	S	60
100	Tipang	Arunachal Pr.	Tirap	S	80
101	Lungchang	Arunachal Pr.	Tirap	ROR	21
102	Mpopnong	Arunachal Pr.	Burhi Dihing	ROR	16
	Total (Arunachal Pr.)				50328
1	Dikhu Lift Dam	Nagaland	Dikhu	S	125
2	Yangnyu Stor.	Nagaland	Dikhu	S	135
3	Jhanji storage	Nagaland	Jhanji	S	75
4	Doyang-V	Nagaland	Doyang	S	55
5	Dikhu Dam P.H.	Nagaland	Dikhu	ROR	470
6	Jhanji Lift Dam	Nagaland	Jhanji	ROR	21
7	Diphupani	Nagaland	Diphu	S	9
8	Rengma	Nagaland	Rengma	S	12
9	Doyang-IV	Nagaland	Doyang	ROR	18
10	Doyang-III	Nagaland	Doyang	ROR	13
11	Doyang-II	Nagaland	Doyang	ROR	14
12	Doyang-I	Nagaland	Doyang	S	16
13	Sakhai-II	Nagaland	Tizu	ROR	31
14	Khuzami	Nagaland	Tizu	S	32
15	Rurrur	Nagaland	Zangki	S	36
16	Zungki	Nagaland	Zangki	S	48
17	Laruri	Nagaland	Tizu	ROR	80
18	Tizu	Nagaland	Tizu	S	365
19	Sakhai I	Nagaland	Tizu	S	8
20	Sakhai III	Nagaland	Tizu	ROR	11
	Total (Nagaland)				1574
1	Dilli Stor.	Assam	Disang	S	33
2	Disai Dam P/H	Assam	Disai	S	15
3	Kalieni	Assam	Kalieni	S	15
4	Jamuna Dam P/H	Assam	Jamuna	S	28
5	Diyung Dam P/H	Assam	Diyung	S	47
6	Langey	Assam	Borpani	ROR	37
7	Kopili I	Assam	Kopili	S	50

8	Kopili II	Assam	Kopili	S	265
9	Lower Borpani	Assam	Borpani	ROR	90
10	Amring	Assam	Amring	S	40
11	Upper Borpani	Assam	Borpani	S	60
	Total (Assam)				680
1	Umrina	Meghalaya	Kulsi	ROR	14
2	Umlamphang	Meghalaya	Umiam	ROR	28
3	Umiam Umtru-III	Meghalaya	Umiam	ROR	41
4	Umiam Umtru-IV	Meghalaya	Umiam	ROR	38
5	Umiam Umtru-V	Meghalaya	Umiam	ROR	27
6	Umiam Umtru-VI	Meghalaya	Umiam	S	145
7	Sumer-I	Meghalaya	Umiam	S	11
8	Sumer-II	Meghalaya	Umtru	ROR	6
9	Umtru (Existing)	Meghalaya	Umtru	ROR	11
10	Simsang Dam P.H.	Meghalaya	Someshri	S	65
11	Kynshi-I Stor.	Meghalaya	Kynshi	S	295
12	Sushen	Meghalaya	Myntdu	ROR	150
13	Selim	Meghalaya	Myntdu	S	125
14	Umjaut	Meghalaya	Umjaut	ROR	85
15	Umduma	Meghalaya	Umtrew	ROR	95
16	Manhu	Meghalaya	Umtru	ROR	90
17	Nonglyngkien	Meghalaya	Umtru	ROR	47
18	Umngi Storage	Meghalaya	Umngi	S	35
19	Rangmaw	Meghalaya	Umngi	ROR	42
20	Nongkolait	Meghalaya	Umngi	ROR	180
21	Nongnam	Meghalaya	Umngi	ROR	36
22	Mawpat	Meghalaya	Umngi	ROR	55
23	Kynshi-II	Meghalaya	Umrilang	ROR	175
24	Nongmawlar	Meghalaya	Kynshi	ROR	29
25	Mawsyrpat	Meghalaya	Kynshi	ROR	45
26	Mawthaba	Meghalaya	Kynshi	S	70
27	Mawblei Storage	Meghalaya	Kynshi	S	100
28	Amagam Storage	Meghalaya	Rongdi	S	35
29	Umngot Stor.	Meghalaya	Umngot	S	265
30	Nongpadu	Meghalaya	Umngot	ROR	24
31	Umkram	Meghalaya	Kynshi	S	11
32	Sidugiri	Meghalaya	Rongdi	ROR	19
	Total (Meghalaya)				2394
1	Lunglang Stor.	Mizoram	Tyao	S	690
2	Boinu Stor.	Mizoram	Kaldan	S	635
3	Kaldan Stor.	Mizoram	Kaldan	S	545
4	Bhairabi	Mizoram	Dhaleshwari	S	90
5	Sonai	Mizoram	Sonai	S	55
6	Mat	Mizoram	Mat	S	90
7	Deh	Mizoram	Deh	S	26
8	Dhaleshwari-I	Mizoram	Dhaleshwari	S	8
9	Tuipai	Mizoram	Tuipai	S	23
10	Tuikug Lui	Mizoram	Tuikug Lui	S	24
11	Dhaleshwari-II	Mizoram	Dhaleshwari	ROR	10
	Total (Mizoram)				2196
1	Laniye-II	Manipur	Laniye	ROR	27
2	Laniye-I	Manipur	Laniye	S	34
3	Khongnem Chakha-II	Manipur	Barak	S	90
4	Khongnem Chakha-III	Manipur	Barak	ROR	48

5	Nungnang	Manipur	Irang	S	70
6	Nungliban	Manipur	Leimatek	S	85
7	Khunou	Manipur	Leimatek	ROR	115
8	Thinghat	Manipur	Tuivai	S	41
9	Sinjal	Manipur	Tuivai	S	39
10	Bungpuilong	Manipur	Tuivai	S	80
11	Tipaimukh	Manipur	Barak	S	510
12	Irang	Manipur	Irang	S	75
13	Pabaram Stor.	Manipur	Barak	S	232
14	Loktak	Manipur	Loktak	S	105
15	Tuivai	Manipur	Tuivai	ROR	210
16	Khongnem Chakha I	Manipur	Barak	S	7
17	Khongnem Chakha IV	Manipur	Barak	ROR	16
	Total (Manipur)				1784
1	Gumti	Tripura	Gumti	S	15
	Total (Tripura)				15
194	Total (North Eastern)				58971
845	TOTAL (All India)				148701

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (c) TO (e) OF UNSTARRED QUESTION NO. 1685 ANSWERED IN THE RAJYA SABHA ON 09.05.2016.

The targets for generating electricity and actual generation during the last and in the current Five Year Plans from Hydro Electric Stations (above 25 MW capacity)

Plan/Year	Generation (BU)		% of Gen. vis-a-vis Target
	Target	Actual	
11th Plan			
2007-08	105.90	119.81	113.10
2008-09	114.84	109.84	96.65
2009-10	115.47	103.92	90.00
2010-11	111.35	114.26	102.61
2011-12	112.05	130.51	116.47
12th Plan			
2012-13	122.05	113.72	93.18
2013-14	122.26	134.85	110.29
2014-15	124.30	129.24	103.98
2015-16*	128.00	121.34	94.80
2016-17	134.00	7.24#	-

*Tentative

Tentative Generation upto 28.04.2016

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1686
ANSWERED ON 09.05.2016

MERGING OF THERMAL POWER WITH SOLAR POWER BY NTPC

†1686. DR. VIJAYLAXMI SADHO:

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

- (a) whether the Ministry has decided that the power of coal-based thermal power stations of NTPC which would complete 25 years of service, would be merged with the power generated by solar power projects being established by NTPC;
- (b) if so, the details thereof; and
- (c) the name of States which have given their assent/dissent on this decision along with the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a): Yes, Sir.

(b) & (c): Ministry of Power, vide its order No. 13/6/2015-OM dated 16.07.2015, has issued a direction that power from NTPC coal based power stations that complete 25 years shall be used for bundling with solar capacity being established by NTPC as part of Government of India's plans for enhancing renewable energy generation in the country.

Ministry of Power, vide order No.13/6/2015-OM on 17.07.2015, issued an allocation of 2000 MW of power from Singrauli Super Thermal Power Station (SSTPS) for bundling with solar capacity of NTPC.

Among the beneficiaries of SSTPS, Uttar Pradesh, Uttarakhand, Haryana, and Rajasthan have assented to the decision. Jammu and Kashmir, which is not an original beneficiary of SSTPS, has consented for availing bundled power. Discoms of Delhi and Punjab have not agreed.
