

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.280
ANSWERED ON 29.08.2013

NATIONAL ELECTRICITY FUND

†*280. SHRI JAGADANAND SINGH:

Will the Minister of POWER
be pleased to state:

- (a) the details of the National Electricity Fund (Interest Subsidy Scheme) launched by the Government to improve the infrastructure in the power distribution sector;
- (b) whether the pre-conditions for eligibility under the same are linked to the reform measures taken by the States and the amount of interest subsidy is linked to the progress achieved in reforms linked parameters;
- (c) if so, the details thereof along with the compliance of the same by various States in this regard, State-wise;
- (d) whether the State of Bihar has also signed any agreement in this regard and is complying with the same; and
- (e) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

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

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 280 ANSWERED IN THE LOK SABHA ON 29.08.2013 REGARDING NATIONAL ELECTRICITY FUND.

(a) : National Electricity Fund (NEF), an interest subsidy scheme has been set up to provide interest subsidy on loans raised by distribution companies to improve the distribution network. Under the Scheme, loan amounting to Rs.25,000 cr. sanctioned by lenders during the financial year 2012-13 & 2013-14 for capital projects in distribution sector duly approved by the Steering Committee shall be eligible to take the benefits of interest subsidy for a tenure of 13 years based on annual evaluations as per the guidelines. NEF does not cover the works undertaken under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) and Restructured Accelerated Power Development and Reforms Programme(R-APDRP) schemes.

(b) & (c) : Yes, Madam. The pre-conditions for eligibility under NEF are linked to reform measures taken by the States and the amount of interest subsidy is linked to the progress achieved in reforms linked parameters. The pre-condition for eligibility are, Operationalization of State Electricity Regulatory Commission, Formulation of business plan for turnaround of utilities, Reorganization of State Electricity Boards (SEBs), Release of subsidy by State Government to DISCOMs, Submission of audited annual accounts and Timely filing of tariff petition. Further, the eligible DISCOMs shall be scored against - Reduction in AT&C losses; Reduction in revenue gap (Average Cost of Supply (ACS)-Average revenue realized on subsidy received basis); Return on equity and Multi-year tariff (MYT).

The State Discoms operating in the States of Maharashtra, Andhra Pradesh, Haryana, Uttarakhand, Himachal Pradesh, West Bengal, Madhya Pradesh, Chhattisgarh, Rajasthan, Delhi, Gujarat, Karnataka, Tamil Nadu & Punjab have so far availed benefit of the NEF.

(d) & (e) : No, Madam. No proposal has been received from the State of Bihar.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2992
ANSWERED ON 29.08.2013

VISIT TO PAKISTAN

2992. SHRI PONNAM PRABHAKAR:

Will the Minister of POWER
be pleased to state:

- (a) whether any delegation of the Ministry of Power had visited Pakistan recently;
- (b) if so, the details thereof; and
- (c) the details of the issues discussed during the said visit along with the outcome thereof?

A N S W E R

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

(a) & (b) : Yes, Madam. A delegation of four (4) officers led by Joint Secretary, Ministry of Power visited Pakistan during 09.06.2013 to 12.06.2103.

(c) : The possibility of transmission link between India and Pakistan was discussed during the said visit.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3000
ANSWERED ON 29.08.2013

IMPACT OF HYDEL POWER PROJECTS

3000. SHRI ADHI SANKAR:

Will the Minister of POWER
be pleased to state:

- (a) whether mushrooming hydel power projects on the rivers Bhagirathi and Alaknanda were causing damage to the hills besides increasing possibility of flash floods that could lead to huge loss of lives;
- (b) if so, the details thereof;
- (c) whether any specific measures are planned to cope with flood risks as mountains provide large amounts of water from melting snow and glaciers; and
- (d) if so, the details thereof and the necessary steps taken in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : No, Madam. There is no evidence that hydro power projects on the rivers Bhagirathi and Alaknanda have caused damage to the hills / increased possibility of flash floods.

(c) & (d) : Hydro-electric projects are planned after hydrological analysis which is based on the past observed / estimated run-off including water from melting snow and glaciers. The hydro-electric projects are accordingly so designed so as to be able to pass Probable Maximum Flood (PMF) which, inter-alia, includes water from melting snow and glaciers.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3001
ANSWERED ON 29.08.2013

KUNDAH POWER PROJECT

3001. SHRI O.S. MANIAN:

Will the Minister of POWER
be pleased to state:

- (a) whether necessary clearances for Kundah Power Project of Tamil Nadu have been accorded;
- (b) if so, the details thereof; and
- (c) if not, the reasons for delay in this regard and the time by which these clearances are likely to be accorded?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c) : A Detailed Project Report (DPR) for 500 MW Kundah Pumped Storage Scheme in Tamil Nadu was submitted to Central Electricity Authority (CEA) for clearance in October, 2006. The scheme is located in Cauvery basin and requires either the clearance from Cauvery Water Dispute Tribunal or the concurrence of the party States for accord of inter-State clearance. The DPR of the project has been returned to State Government of Tamil Nadu by CEA on 26.12.2007 to submit with requisite clearances.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3009
ANSWERED ON 29.08.2013

IMPORT OF COAL

3009. SHRI PRALHAD JOSHI:

Will the Minister of POWER
be pleased to state:

- (a) the impact of high-grade coal imports on prices of electricity in cases where electricity is generated from the imported coal;
- (b) whether the industry-wide efforts to boost power generation especially among firms that rely on lower-quality imports to maintain the financial viability of their projects will be stalled if the rise in electricity price is not agreed by the Ministry;
- (c) if so, the details thereof;
- (d) whether the Government proposes to provide subsidies to lessen the financial burden on coal importing power generators as well as hike the power tariff to make generation of electricity from imported coal more viable; and
- (e) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Price of imported coal depends upon various factors such as inter-alia, heat value, moisture content, ash content, source of origin, ocean freight, etc. and varies from week to week. The price of domestic coal also varies from mine to mine depending upon Grade/ GCV Value of coal. Further, landed cost of imported coal at power plants depends upon its distance from the coast. As ocean freight and inland transportation cost are a major component that contribute towards the landed cost of imported coal, therefore, import of high grade coal results in saving of transportation cost.

(b) & (c) : Higher cost of imported coal is to be considered for pass through as per modalities suggested by CERC. Ministry of Coal has issued suitable orders supplementing the New Coal Distribution Policy (NCDP). Ministry of Power have issued appropriate advisory to CERC/SERCs to consider the request of individual power producers to decide for pass through of higher cost of imported coal on a case to case basis. Consequential changes in price of electricity would be the domain of appropriate regulatory commission.

(d) : There is no such proposal under the consideration of Central Government.

(e) : Does not arise in view of (d) above.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3013
ANSWERED ON 29.08.2013

PROVISIONS IN ELECTRICITY ACT, 2003

†3013. SHRIMATI RAJKUMARI RATNA SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether any complaints have been received by the Union Government regarding the private power distribution companies reporting more consumption of power than the actual consumption;
- (b) if so, the details thereof and the action taken thereon;
- (c) whether any provisions have been made in the Electricity Act, 2003 for filing criminal cases against those responsible for over charging as well as for installation of faulty meters; and
- (d) if so, the details thereof and if not, the corrective measures being taken by the Union Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b): As per available records, no such complaint has been received by the Union Government regarding the private power distribution companies reporting more consumption of power than the actual consumption.

(c) & (d): The Electricity Act, 2003 does not have any provision for filing criminal case against those responsible for over charging as well as for installation of faulty meters. However, as per the Electricity Act, 2003, a consumer can approach Consumer Redressal Grievances Forum and Ombudsman created under section 42(5) & (6) of the Electricity Act, 2003 for any complaints regarding over charging as well as for installation of faulty meters.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3014
ANSWERED ON 29.08.2013

DEBTS OF POWER SECTOR

3014. DR. SANJAY SINH:

Will the Minister of POWER
be pleased to state:

- (a) whether the power sector has incurred massive bank debts during the last three years;
- (b) if so, the details thereof along with the reasons therefor;
- (c) whether investment from corporate bodies and high net worth investors have been invited to help this sector; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : Yes, Madam.

As per report compiled by the Power Finance Corporation (PFC), the total outstanding loans from Banks/Financial Institutions (including Bonds) for all the utilities in the power sector during the years 2009-10 to 2011-12 are as under:-

<u>Year</u>	<u>Outstanding Amount</u>
	<u>(Rs. Crore)</u>
2009-10	Rs.2,63,236
2010-11	Rs.3,28,534
2011-12	Rs.3,81,134

In order to achieve the planned growth target and to sustain the growth momentum, the Indian Power Sector needs considerably large investments. In India's 12th Five Year Plan, the projected investment requirement for Power Sector (excluding Renewable Energy) is Rs.15,01,666 Crore, out of which Rs.7,13,827 Crore has been envisaged from the Private Sector.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3015
ANSWERED ON 29.08.2013

VILLAGE ENERGY SECURITY PROGRAMME

†3015. SHRI NIKHIL KUMAR CHOUDHARY:
SHRIMATI SUSMITA BAURI:
SHRIMATI PUTUL KUMARI:
SHRI ARVIND KUMAR CHAUDHARY:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has fulfilled the energy requirements of all far flung villages in terms of cooking food and electrification under Village Energy Security Programme during the 11th Five Year Plan;
- (b) if so, the details thereof and if not, the reasons therefor, State-wise;
- (c) whether the target set to cover the number of villages has been downsized under the Scheme and if so, the reasons therefor;
- (d) whether the target set for remaining villages has been assessed during the current Five Year Plan; and
- (e) if so, the details thereof along with the details of the funds allocated to each State for the same and the steps being taken/proposed to be taken to achieve the target?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : The Ministry of New and Renewable Energy (MNRE) had started a pilot scheme during 10th Plan namely, Village Energy Security Test Projects under which a few test villages were undertaken to meet their energy requirements through biomass. MNRE had identified 79 villages/ hamlets for implementation of test projects in 10 States of the country, of which 20 test projects were undertaken

during 11th Five Year Plan in un-electrified remote villages and hamlets. The State-wise number of test projects identified for implementation, are as under:-

Sl. No.	Name of State	Number of Test Project
1.	Assam	14
2.	Chhattisgarh	15
3.	Gujarat	2
4.	Jharkhand	3
5.	Madhya Pradesh	9
6.	Maharashtra	10
7.	Orissa	15
8.	Tamil Nadu	4
9.	Uttarakhand	4
10.	West Bengal	3
Total		79

(c) to (e) : MNRE has informed that during Mid-Term Appraisal of 11th Five Year Plan carried out by the Planning Commission in September, 2009, it was decided to concentrate on consolidating the projects already taken up for implementation. It was also decided that no new test projects will be supported.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3029
ANSWERED ON 29.08.2013

FUNDS UNDER RGGVY

†3029. SHRIMATI RAMA DEVI:

Will the Minister of POWER
be pleased to state:

- (a) the funds allocated under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) to Bihar during each of the last three years and the current year;
- (b) the details of the various works executed under the Scheme in the State during the said period;
- (c) whether there is any delay in execution of works in the State under the Scheme;
- (d) if so, the details thereof; and
- (e) the remedial measures being taken by the Government in this regard?

A N S W E R

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

(a) : There is no upfront allocation of funds for any State / District under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY). Funds are released against sanctioned projects in installments based on the utilisation of amount in the previous installment(s) as prescribed and fulfillment of other conditionalities. However, funds released for the State of Bihar under RGGVY during the last three years, against sanctioned projects is as under:

(Rs. in Crore)

2010-11	2011-12	2012-13	2013-14	Cumulative amount released (including subsidy released prior to 2010-11)
520.05	260.06	21.06	190.84	3687.65

(b) : The work executed under RGGVY in the State of Bihar during the last three year is as under:

	2010-11	2011-12	2012-13	2013-14	Cumulative (includes achievement prior to 2010-11)
Un-electrified Villages	1937	1048	701	112	22842
Partially Electrified Villages	2065	1145	830	114	5211
BPL households	6,41,016	4,05,736	2,01,081	69,162	24,20,077

(c) & (d) : The progress of rural electrification works under RGGVY is generally satisfactory in the state of Bihar. However, the progress was affected due to the following reasons:-

- Repeated theft of installed infrastructure particularly in Muzzafarpur and Vaishali districts.
- Poor performance of contract in Katihar district.
- Delay in handing over of land for 16 sub-stations.
- Delay in railway clearances.
- Law & order problem including Maoist Violence in some of the districts.

(e) : The following remedial measures have been taken by Government of India for effective implementation of RGGVY:-

- (i) Government of India has set up an inter-Ministerial Monitoring Committee which periodically meets to sanction projects and review progress of implementation.
- (ii) District Committees have been set up in all the States to monitor the progress of rural electrification works.
- (iii) The States also hold regular meeting under the Chairmanship of Chief Secretary to resolve the bottlenecks in implementation of RGGVY.
- (iv) The Government of India and Rural Electrification Corporation (REC), the nodal agency for RGGVY, conduct frequent review meetings with all the stakeholders, the concerned State Governments, State Power Utilities and Implementing Agencies for expeditious implementation of the scheme as per the agreed schedule.
- (v) Minister of Power has written a letter to all Hon'ble Members of Parliament to review the progress of the projects in their Parliamentary Constituencies. They have also been requested to monitor the projects at their level and also discuss the same in the District Vigilance and Monitoring Committee meetings in presence of public representatives as well as district officials so that the issues affecting the progress are resolved expeditiously.
- (vi) Ministry of Rural Development expanded the scope of District Level Vigilance and Monitoring Committee for "Review of RGGVY" as a regular agenda item in the District Level Vigilance and Monitoring Committee Meetings.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3030
ANSWERED ON 29.08.2013

CAPACITY OF NPTI

3030. SHRI SUGUMAR K.:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has decided to expand the capacity of the National Power Training Institute (NPTI) in view of the requirements of skilled and non-skilled employees for the power sector;
- (b) if so, the details thereof;
- (c) whether the Government has asked the power companies in the public sector to pay special attention to provide training to their employees as well as provide opportunity to the employees of the private sector to get training; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Three proposals have been received for establishment of new units of National Power Training Institute (NPTI) at Alappuzha, Kerala; Shivpuri, Madhya Pradesh; and Itanagar, Arunachal Pradesh.

(c) & (d) : 'The Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010', inter-alia, have provision for mandatory training for personnel engaged in Operation & Maintenance (O&M) of the Generation, Transmission and Distribution Systems of Electricity. The Regulations also stipulate that every owner of Generating Station, Transmission System and Distribution System shall arrange training of personnel engaged in O&M in their own Institutes or any other Institute recognized by the Central Government or State Government.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3040
ANSWERED ON 29.08.2013

ENERGY CONSUMPTION

3040. SHRI KALIKESH N. SINGH DEO:

Will the Minister of POWER
be pleased to state:

- (a) the total amount of power/electricity consumed annually in the country *vis-à-vis* other developed countries of the world;
- (b) the steps taken/being taken by the Government to ensure the power/electricity security of the country;
- (c) whether the Government proposes to provide minimum electricity to the entire population in the country; and
- (d) if so, the details thereof and the steps being taken in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Total energy consumed in the country for the year 2010-11 is 7,13,067 Gwh and corresponding consumption in developed countries for the latest available year 2010 is given below:

Sl.No.	Country	Energy Consumption in Gwh
1	U.S.A.	38,01,921
2	Japan	10,01,837
3	Canada	4,69,948
4	Australia	2,01,221
5	U.K.	3,28,318

Source: International Energy Agency Website

(b) to (d) : The following steps have been taken/are being taken by the Government to ensure the power/electricity security of the country and also to meet fully demand for power on an All India basis by the terminal year of 12th Plan i.e. 2016-17 :

- (i) Acceleration in generating capacity addition during 12th Plan with a proposed target of 88,537 MW (excluding 30,000 MW renewable) against an achievement of 54,964 MW during 11th Plan.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Development of Ultra Mega Power Projects of 4,000 MW each to reap benefits of economies of scale.
- (iv) Advance planning of generation capacity addition projects for 12th Plan.
- (v) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (vi) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vii) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities has been advised to import coal.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.
- (ix) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.
- (x) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (xi) Promoting energy conservation, energy efficiency and demand side management measures

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3047
ANSWERED ON 29.08.2013

CAPACITY OF TRANSMISSION LINES

3047. DR. MAHENDRASINH P. CHAUHAN:
SHRIMATI JAYSHREEBEN PATEL:

Will the Minister of POWER
be pleased to state:

- (a) the capacity of the present transmission lines in the country along with the steps being taken by the Government to run these transmission lines in their fully capacity;
- (b) whether the Government of Gujarat is unable to supply surplus power to power deficit States due to constraints in inter-regional transmission corridors;
- (c) if so, the details thereof and the steps taken/being taken by the Union Government to supply power to the power deficit States;
- (d) whether the Government of Gujarat has requested the Union Government to utilize the fund lying in Power System Development Fund for creation of sufficient inter-regional transmission corridors; and
- (e) if so, the details thereof and the action taken by the Union Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Transmission lines (220 kV and above) of total length 2,78,268 Circuit Kilo Meter, transformation capacity of 4,69,211 MVA in Alternate Current (AC) sub-stations (220 kV and above), High Voltage Direct Current (HVDC) capacity of 13,500 MW and Inter-regional transmission capacity of 31,850 MW exist in the country as on 31st July, 2013.

The transmission lines are operated in accordance with Regulations/Standards of Central Electricity Authority (CEA)/Central Electricity Regulatory Commission (CERC).

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(b) & (c) : Generation entities located in Gujarat have been, inter-alia, able to supply power to various load entities/State utilities across the country except for some congestion in supply of power to Southern Region, etc. The constraints in inter-regional transmission between NEW Grid (comprising of Northern, Eastern, Western and North-Eastern Regions), to Southern Grid would be addressed with commissioning of Raichur-Solapur 765 kV lines.

It is the responsibility of power deficit States to assess and plan for import of power and seek inter-regional/Inter-state transmission access from Central Transmission Utility (CTU) under the provisions of open access laid down in Electricity Act, 2003 and relevant regulations.

(d) & (e) : With regard to the request of the State Government of Gujarat, the Ministry of Power has already responded in 2011 regarding utilization of the Power System Development Fund (PSDF) for creation of inter-regional transmission capacity. As per present status, PSDF which has been constituted by CERC vide CERC (Power System Development Fund) Regulations, 2010, can be utilized for establishment of inter-regional transmission capacity.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3050
ANSWERED ON 29.08.2013

NATIONAL ELECTRICITY POLICY

3050. SHRI M.I. SHANAVAS:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has been able to achieve the goal of minimum lifeline consumption of one unit per household per day by the year 2012 as laid down in the National Electricity Policy;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government proposes to revise the time-frame for achieving this goal laid out in the policy; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : As per information compiled by Central Electricity Authority (CEA), per capita consumption of electricity has increased from 612 Kwh in 2004-05 to 813 Kwh in 2010-11. Further, the availability of electricity is increasing every year with the addition of new generation capacity, augmentation of transmission and distribution system and improving access to electricity for BPL families through programs like RGGVY.

(c) & (d) : At present, there is no proposal under consideration in this regard.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3054
ANSWERED ON 29.08.2013

SETTING UP OF POWER PROJECTS

3054. SHRI NITYANANDA PRADHAN:

Will the Minister of POWER
be pleased to state:

- (a) whether 13 projects worth Rs. 33,000 crore are proposed to be set up in the country;
- (b) if so, the details thereof along with the location of such projects;
- (c) the quantum of power likely to be generated from such projects; and
- (d) the extent to which this will help to bridge the gap between the demand and supply of power in the country?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : The Cabinet Committee on Investment (CCI) in its meeting held on 22.04.2013 cleared 13 power projects involving an investment of about Rs.33,000 Crore. The details of these projects along with the location and quantum of power likely to be generated are at Annex. Commissioning of the thermal and hydro generation projects would bridge the gap between the demand and supply of power in the country by 4404 MW.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3054 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Transmission projects

Sl. No.	Name of the project	Location	Mode of the project	Total Project Cost (Rs. in Crores)	Brief Description of the project	Present Status
1.	Kameng-Balipara 400kV D/C line 98.25 Ha, (Assam)	Assam & Arunachal Pradesh	Public (PGCIL)	65	To facilitate evacuation and transmission of power generated from Lower Subansiri HEP (2000 MW) and Kameng HEP (600 MW) to NER, NR and WR beneficiaries.	Stage-I clearance obtained on Jan 06, 2010. Stage-II approval issued on 24 th Jan, 2013.
2.	Kameng-Balipara 400 KV D/C line 133.56 Ha, (Arunachal Pradesh)	Assam & Arunachal Pradesh	Public (PGCIL)	Included in Sr No.1	To facilitate evacuation and transmission of power generated from Lower Subansiri HEP (2000 MW) and Kameng HEP (600 MW) to NER, NR and WR beneficiaries.	Stage-I clearance issued on Sep. 29, 2010. Stage-II approval issued on 24 th Jan, 2013
3.	Pooling Station Bilaspur - Ranchi 765kV S/C Line 302.368 Ha (Chhattisgarh)	Chhattisgarh & Jharkhand	Public (PGCIL)	458	To facilitate transfer of power from proposed DVC and Maithon RB generation projects to various beneficiaries in Eastern, Northern & Western Regions.	MoEF issued Stage-I approval on 28 th Jan, 2013.
4.	Nellor-Kurnool 765 kV line, 66 Ha (Andhra Pradesh)	Andhra Pradesh	Public (PGCIL)	625.8	Evacuation of power from generation projects of IPPs proposed to be setup in Krishnapatnam area of Andhra Pradesh to the beneficiaries in Southern, Western and Northern regions.	MoEF issued Stage-I approval on 8 th Jan, 2013
5.	Silchar - Purba Kanchan Bari (TSECL) 400kV D/C, 13.8 ha (Assam)	Assam & Tripura	Public (PGCIL)	204	To facilitate dispersal of power from Pallatana GBPP (740 MW) and Bongaigaon TPS (750 MW) to NER constituents.	Stage-I approval issued on 16 th Jan, 2013 and Stage-II on 8 th April, 2013.
6.	Silchar- Melriat (New) 400 KV D/C line, 22.7ha (Assam)	Assam & Mizoram	Public (PGCIL)	168	To facilitate dispersal of power from Pallatana GBPP (740 MW) and Bongaigaon TPS (750 MW) to NER constituents.	Stage-I approval issued on 17 th Jan, 2013 and St-II on 25 th March, 2013.
7.	Rihand-Vindhychal 765 KV D/c TL, 104.902 Ha (Madhya Pradesh)	UP & MP	Public (PGCIL)	100	To facilitate evacuation & dispersal of power from Vindhychal-IV (2x500 MW) and Rihand-III (2x 500 MW) generation projects to WR and NR constituents	MoEF issued Stage-I approval on 8 th Jan, 2013.
8.	Raigarh (Tamnar)- Raigarh (Kotra) 765 kV D/C, 25.5 Ha (Chhattisgarh)	Chhattisgarh	Public (PGCIL)	145	To facilitate power transfer from IPPs generation projects in Raigarh (Tamnar) and Champa generation complex in Chhattisgarh to beneficiaries in Western/ Northern Regions.	Stage-I approval issued on 17 th Jan, 2013

9.	Satna-Gwalior 765 kV S/C TL, 31.68 Ha (Uttar Pradesh)	MP & UP	Public (PGCIL)	532	To facilitate evacuation & dispersal of power from Vindhyachal-IV (2x500 MW) and Rihand-III (2x 500 MW) generation projects to WR and NR constituents	Stage-I approval issued on 17 th Jan, 2013
10.	Sasan- Satna ckt.II 765 KV S/C, 128.553 Ha. (Madhya Pradesh)	MP	Public (PGCIL)	374	To facilitate transfer of power from Sasan UMPP to various beneficiaries in Western & Northern Regions.	Stage-I approval issued on 30 th Jan, 2013

Hydro projects (Total 444 MW)

1.	Vishnugad Pipalkoti Hydro Electric Project (444 MW)	Located on River Alaknanda, Distt. Chamoli, Uttarkhand	Public (THDC)	Approved Cost : Rs. 2491.58 crore at March'08 PL Revised Cost Estimate: Rs. 3745.08 crore at Oct.'11 PL submitted for Govt. approval.	The Project is a run off the river scheme envisaging construction of a gated Diversion Dam of 65 m height near village Helong, a water conductor system and an underground Power House located 20 km downstream of head works near village Hat, with an installed capacity of 444 MW (4x 111 MW).	State Board of Wildlife (SBWL) has cleared the proposal on 16.03.13.
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Thermal projects (total 3960 MW)

1.	North Karanpura TPP (3x660 MW)	Jharkhand	Govt.-PSU (NTPC)	15,000 (app)	Thermal Power Project	CCI approved the proposal of restoration of coal linkage for this project on 20.02.2013. MoC has issued the letter. NTPC to take further action.
2.	Nabinagar Super Thermal Power Project, Stage-I (3x660 MW)	Near Nabinagar in Aurangabad district in Bihar	Nabinagar Power Generating Co. Ltd. (A JV co. of NTPC Ltd. & BSEB) (NTPC)	13624.01	New Project Required for (Stage- 3x660 MW + Stage-II 3x660 MW =2832 Acres. Initial Requirement for Stage-I (3x660 MW) = 1335 Acres Feasibility Report approved by JV Board on 05.04.2012	Work has been awarded.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3058
ANSWERED ON 29.08.2013

RENEWABLE PURCHASE OBLIGATIONS

3058. SHRI P. KARUNAKARAN:

Will the Minister of POWER
be pleased to state:

- (a) the details of the action taken by the Central Electricity Regulatory Commission (CERC) on issue of Renewable Purchase Obligations (RPO) of excess energy produced from environment friendly energy resources till date;
- (b) whether the Government proposes to request CERC to resolve this issue at the earliest;
- (c) if so, the details thereof; and
- (d) the time by which the Government proposes to make necessary amendments in regulations to resolve this issue?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : Electricity Act, 2003 provides for promotion of efficient and environmentally benign policies and for matters connected therewith or incidental thereto and Section 86(1)(e) of the Electricity Act, 2003, mandates State Electricity Regulatory Commissions (SERCs)/Joint Electricity Regulatory Commissions (JERCs) to specify Renewable Purchase Obligation (RPO) target for the obligated entities in their respective States.

Further, Tariff Policy notified by the Central Government under the Electricity Act, 2003 on 06.01.2006, inter alia, provides that the Appropriate

Commission shall fix minimum percentage for purchase of electricity from renewable sources taking into account availability of such resources in the region and its impact on retail tariffs. The Act and Policy do not apply any restriction on procurement of power by an obligated entity in excess of the minimum Renewable Purchase Obligation (RPO) fixed by the Appropriate Commission.

Renewable Energy Certificate (REC) mechanism for promotion of non-conventional energy sources has been evolved jointly by the Electricity Regulatory Commission at the Centre and in the States. To give effect to this framework, Central Electricity Regulatory Commission (CERC) has issued Regulations on "Terms and Conditions for Recognition and Issuance of Renewable Energy Certificate for Renewable Energy Generation Regulations, 2010". Most of the SERCs have also evolved regulations recognizing REC as a valid instrument for fulfillment of Renewable Purchase Obligation (RPO).

The CERC considers and decides issues under its jurisdiction as per the provisions prescribed in the Electricity Act from time to time, which includes amending/issuing Regulations in this regard.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3077
ANSWERED ON 29.08.2013

LONG TERM FORWARD CONTRACTS

3077. SHRI P. KUMAR:

Will the Minister of POWER
be pleased to state:

- (a) whether the Central Electricity Regulatory Commission (CERC) has received any proposals for introduction of long term forward contracts to meet the requirements of market participants;
- (b) if so, the details thereof and the present status thereof;
- (c) whether the said proposal will enable to trade in additional power which is currently done through bilateral contracts and is also expected to provide power price visibility thereby hedging generators against price risks; and
- (d) if so, the details thereof and the reaction of the Government thereto?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Yes, Madam. On petitions filed by the Power Exchanges, it has been held by Central Electricity Regulatory Commission (CERC) that as the matter of regulatory jurisdiction on long term forward contract which can be traded on exchange is sub-judice in the Supreme Court, no decision can be given in the matter at this stage.

(c) & (d) : Yes, Madam. The long term forward contracts have the potential of benefiting market participants, both for generation and distribution companies. Long Term contracts insulate both generators and distribution companies from market price volatility and bring certainty. These contracts help power sector participants to manage both volumetric risk (surety of supply and procurement) and price risk (certainty of a fixed price for both buyer and seller), as the price and delivery terms are fixed between the parties at the time of transaction.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3082
ANSWERED ON 29.08.2013

FUNDS FOR POWER SUPPLY

†3082. SHRI PREMCHAND (GUDDU):
SHRI DEORAJ SINGH PATEL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the funds sanctioned to Madhya Pradesh for strengthening power supply during the last three years and the current year;
- (b) the details of the funds received by Rewa region out of the total funds released to Madhya Pradesh;
- (c) whether the Union Government has advised the State Governments to Publicise its financial contribution to the State Schemes such as Atal Jyothi Abhiyan Yojana in Madhya Pradesh; and
- (d) if so, the details thereof and the action taken in such cases where Centre's contribution is not publicised?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Electricity is a concurrent subject and the responsibility of sub-transmission and distribution rests with the States. Government of India acts as a facilitator in supplementing the efforts of States to provide power to consumers in an improved manner for which assistance is provided to States and Distribution utilities under various schemes like R-APDRP and RGGVY.

Restructured Accelerated Power Development & Reforms Programme (R-APDRP) Under R-APDRP, no funds are allocated upfront to States but are released in the form of loans against sanctioned projects in installments based on progress of projects and on achieving pre-defined milestones. These loans are convertible into grants as per the norms of the scheme.

So far, an amount of Rs. 457 crore has been disbursed to Madhya Pradesh State Power Distribution Utilities under R-APDRP scheme. Out of which Rs.9.68 crore has been disbursed for Rewa town in Rewa district. No other town in Rewa district is eligible for funding under R-APDRP.

Rajiv Gandhi Grameen Vidyutikaran Yojana (RGVVY)

There is no upfront allocation of funds for any State under Rajiv Gandhi Grameen Vidyutikaran Yojana. Funds are released against sanctioned projects in installments based on the reported utilisation of amount in the previous installment(s) and fulfillment of other conditionalities. An amount of Rs.808.40 crore towards subsidy has been disbursed by REC under the scheme for the State of Madhya Pradesh during the last three years and current year. Cumulatively, an amount of Rs. 1589.48 crore(includes subsidy disbursed prior to 2010-11) has been disbursed to Madhya Pradesh, out of which Rs.31.47crore has been disbursed to Rewa district.

(c) & (d) : No, Madam.

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3102
ANSWERED ON 29.08.2013
GREEN ENERGY CORRIDORS

3102. SHRI PRADEEP MAJHI:
SHRI SURESH KALMADI:
SHRI KISHNBHAI V. PATEL:

Will the Minister of POWER
be pleased to state:

- (a) whether the second round of Inter Governmental consultations between India and Germany on co-operation in power and renewable energy was held in the recent past;
- (b) if so, the details thereof along with the issues figured in the discussion between the two sides;
- (c) whether both the countries have agreed to establish Green Energy Corridors and if so, the details thereof along with the details of the developmental, technical and financial assistance likely to be provided by Germany for the same;
- (d) whether the Green Energy Corridors will assist the national grid by generating wind and solar power during the 12th Five Year Plan period; and
- (e) if so, the details thereof?

A N S W E R

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

(a) to (c) : During the Indo-German Government Consultations held on 11th April, 2013 in Berlin, the German side had expressed willingness regarding concessional loans from KfW of upto one billion EUR for financing the Green Energy Corridors project under Indo-German Bilateral Development Cooperation Programme over the next six years. Further, during the Indo-German Annual Negotiation meeting held in New Delhi on 22-23 July, 2013 the German side committed the following amounts for the Green Energy Corridors:-

Financial Assistance – Euro 250 Million as Reduced Interest Loan.

Technical Assistance

- (i) Euro 2 million for Indo-German Energy Programme – New component on Green Energy Corridors; and
- (ii) Euro 2 million for Integration of Renewable Energies into the Indian Electricity System (I-RE).

(d) & (e) : The Green Energy Corridors project will help in integrating renewable energy into the National grid. It comprises of both inter-state and intra-state schemes for evacuation of power from wind and solar projects.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3108
ANSWERED ON 29.08.2013

FUNDS TO WEST BENGAL UNDER RGGVY

3108. SHRI SULTAN AHMED:

Will the Minister of POWER
be pleased to state:

- (a) whether the funds have been released to West Bengal under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during the 12th Five Year Plan;
- (b) if so, the details thereof; and
- (c) the details of the households including the Below Poverty Line (BPL) households electrified in the Howrah region of West Bengal under RGGVY till date?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), during 12th Five Year Plan i.e. during 2012-13 and 2013-14, subsidy amount of Rs.7.68 crore has been released by Rural Electrification Corporation (REC), the nodal agency for RGGVY, to Powergrid (PGCIL), the Implementing Agency, against West Midnapur supplementary project of West Bengal sanctioned under 11th Five Year Plan.

(c) : Under RGGVY, the project of district Howrah, West Bengal was sanctioned during 11th Five Year Plan, covering release of free electricity connections to 55,396 Below Poverty Line (BPL) households. As on 31.07.2013, free electricity connections to 55,297 BPL households have been released under the scheme.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3111
ANSWERED ON 29.08.2013

HYDRO POWER PROJECTS IN NER

3111. SHRI TAKAM SANJOY:

Will the Minister of POWER
be pleased to state:

(a) the details of the under construction Hydro Power projects in the North Eastern Region (NER) of the country along with the expected time-frame for their commissioning; and

(b) the steps being taken by the Government for early completion and commissioning of such Projects including the Lower Subansiri Hydro Electric Project?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : There are 14 Hydro Electric Power Projects (above 25 MW) under construction in the North Eastern Region including Sikkim. The details are as under:

Sl. No.	Name of the Project / Capacity / Executing Agency	State	Likely commissioning
Central Sector			
1	<u>Subansiri</u> Lower Hydro Electric Project (HEP) 8x250=2000 MW NHPC	Arunachal Pradesh / Assam	2016-18
2	<u>Kameng</u> HEP 4x150=600 MW NEEPCO	Arunachal Pradesh	2016-17
3	<u>Pare</u> HEP 2x55=110 MW NEEPCO	Arunachal Pradesh	2014-15
4	<u>Tuirial</u> HEP 2x30=60 MW NEEPCO	Mizoram	2016-17
State Sector			
1	New Umtru	Meghalaya	2014-15

	2x20=40MW Meghalaya Energy Corporation Limited (MeECL)		
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Private Sector			
1	Teesta-III 6x200=1200 MW Teesta Urja Ltd.	Sikkim	2014-15
2	Teesta-VI 4x125= 500 MW LANCO	Sikkim	2015-16
3	Rangit-IV 3x40= 120 MW Jal Power Corp. Ltd.	Sikkim	2014-15
4	Jorethang Loop 2x48 = 96 MW DANS Energy Pvt. Ltd.	Sikkim	2014-15
5	Bhasmey 3x17= 51 MW Gati Infrastructure Bhasmey Power Pvt. Ltd.	Sikkim	2015-16
6	Tashiding 2x48.5 = 97 MW Shiga Energy Pvt. Ltd.	Sikkim	2017-18
7	Dikchu 3x32=96MW Sneha Kinetic Power Projects Pvt. Ltd.	Sikkim	2017-18
8	Rangit-II 2x33= 66 MW Sikkim Hydro Power Venture Limited	Sikkim	2017-18
9	Rongnichu 2x48= 96 MW Madhya Bharat Power Corporation Ltd.	Sikkim	2017-18
Total : 5132 MW			

(b) : Steps being taken by the Government for timely completion and commissioning of projects include, inter-alia, monitoring of the projects by Central Electricity Authority (CEA), review with the developers to resolve outstanding issues; independent follow up and monitoring of progress by the Power Project Monitoring Panel (PPMP) etc.

Work on the Subansiri Lower HE Project (8x250 MW) in Arunachal Pradesh/Assam, was stopped since December, 2011 due to the agitation launched by Anti-Dam activists. A Dam Design Review Panel (DDRP) was constituted by the

Ministry in December, 2012 which has submitted its report in June, 2013. The report has been accepted and NHPC has been directed to take the project forward.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3114
ANSWERED ON 29.08.2013

PROPOSALS UNDER RGGVY

†3114. SHRI SHRIPAD YESSO NAIK:
SHRI GOVIND PRASAD MISHRA:

Will the Minister of POWER
be pleased to state:

- (a) the details of the proposals received by the Government for approval under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during each of the last three years and the current year, State/UT-wise;
- (b) the details of the proposals to which approvals have been accorded by the Government and those still pending, State/UT-wise; and
- (c) the time by which the rural areas of all the States are likely be fully electrified?

A N S W E R

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

(a) & (b) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), a total of 170 proposals were received during last three years and the current year. Out of these, 82 proposals were found eligible and have been sanctioned. The State-wise details are at Annex.

(c) : The electrification of the remaining villages/habitations having population more than 100 is to be taken up for consideration as per projects submitted by States based on the approved guidelines for 12th Plan RGGVY.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3114 ANSWERED IN THE LOK SABHA ON 29.08.2013.

State-wise projects received and approved during last 3 years & current year

S. No	Name of State	2010-11		2011-12		2012-13		2013-14		Total			
		Received	Approved	Received	Approved	Received	Approved	Received	Approved	Received	Approved	Returned	Balance
1	Andhra Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
2	Arunachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
3	Assam	0	0	2	0	0	0	0	0	2	0	2	0
4	Bihar	0	0	20	11	0	0	0	0	20	11	9	0
5	Chhattisgarh	0	0	3	2	0	0	0	0	3	2	1	0
6	Gujarat	0	0	0	0	0	0	0	0	0	0	0	0
7	Haryana	0	0	3	3	0	0	0	0	3	3	0	0
8	Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
9	Jammu & Kashmir	0	0	0	0	0	0	0	0	0	0	0	0
10	Jharkhand	0	0	0	0	2	0	0	0	2	0	2	0
11	Karnataka	0	0	2	2	1	0	0	0	3	2	1	0
12	Kerala	0	0	7	7	1	0	0	0	8	7	1	0
13	Madhya Pradesh	0	0	20	20	0	0	4	4	24	24	0	0
14	Maharashtra	0	0	1	1	0	0	0	0	1	1	0	0
15	Manipur	0	0	0	0	0	0	0	0	0	0	0	0
16	Meghalaya	0	0	0	0	0	0	0	0	0	0	0	0
17	Mizoram	0	0	0	0	0	0	0	0	0	0	0	0
18	Nagaland	0	0	0	0	0	0	0	0	0	0	0	0
19	Orissa	0	0	0	0	0	0	0	0	0	0	0	0
20	Punjab	0	0	0	0	0	0	0	0	0	0	0	0
21	Rajasthan	30	0	0	0	0	0	0	0	30	0	30	0
22	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0
23	Tamil Nadu	0	0	3	3	0	0	0	0	3	3	0	0
24	Tripura	0	0	0	0	0	0	0	0	0	0	0	0
25	Uttar Pradesh	69	0	0	22	0	0	1	6	70	28	42	0
26	Uttarakhand	0	0	0	0	0	0	0	0	0	0	0	0
27	West Bengal	0	0	1	1	0	0	0	0	1	1	0	0
Total		99	0	62	72	4	0	5	10	170	82	88	0

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3128
ANSWERED ON 29.08.2013

NTPC POWER PLANT IN JHARKHAND

3128. DR. AJAY KUMAR:

Will the Minister of POWER
be pleased to state:

- (a) whether local unrest over land issues in setting up of the National Thermal Power Corporation Limited (NTPC) power plant in Hazaribagh, Jharkhand has led to death and grievous injury to local people;
- (b) if so, the details thereof;
- (c) whether the Government has initiated any high-level enquiry in this regard;
- (d) if so, the details thereof; and
- (e) the steps taken/being taken to prevent recurrence of such incidents in future and to expedite the construction of the said power plant?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : No, Madam. NTPC has not set up any power plant in Hazaribagh district of Jharkhand State.

(c) to (e) : In view of above (a) does not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3138
ANSWERED ON 29.08.2013

LOSSES OF POWER COMPANIES

†3138. SHRI UDAY PRATAP SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether the power companies of a number of States are running into losses due to shortage of coal and paucity of funds;
- (b) if so, the details thereof;
- (c) whether power distribution losses have risen steeply in some States including Madhya Pradesh; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : Yes, Madam. The Power Utilities of many States are running into losses due to inadequate availability of fuel and financial constraints. Fuel shortage relate to both coal and gas availability. Financial constraints of State Distribution Companies relate to their accumulated losses mainly on account of their average cost of supply being more than the average revenue realized per unit of electricity supplied.

A statement of Transmission & Distribution (T&D) losses in respect of the states/UTs in the Country including that of Madhya Pradesh from the year 2003-04 to 2011-12 is enclosed at Annex. Percentage of transformation, transmission and distribution losses (including energy unaccounted for) is showing a declining trend in various States including in Madhya Pradesh.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3138 ANSWERED IN THE LOK SABHA ON 29.08.2013.

PERCENTAGE TRANSFORMATION, TRANSMISSION AND DISTRIBUTION LOSSES (INCLUDING ENERGY UNACCOUNTED FOR)

Region		STATES/UTs	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
NR	1	HARYANA	32.07	32.11	30.51	33.35	32.83	30.74	31.00	29.66	28.58
	2	HIMACHAL PRADESH	22.76	28.90	23.55	19.77	16.98	15.51	20.52	22.22	18.62
	3	JAMMU & KASHMIR	45.54	41.08	44.93	51.98	55.71	58.02	67.35	63.27	61.78
	4	PUNJAB	25.96	25.42	27.56	26.61	22.82	23.08	23.39	25.10	23.08
	5	RAJASTHAN	43.74	44.68	39.92	35.60	34.71	31.47	29.99	27.87	27.94
	6	UTTAR PRADESH	35.17	34.39	32.63	33.49	28.60	30.94	33.15	34.01	32.35
	7	UTTARAKHAND	49.23	39.30	35.96	34.48	35.66	41.79	25.27	29.97	28.67
	8	CHANDIGARH	39.06	30.37	31.64	25.13	23.77	22.36	23.19	20.25	23.67
	9	DELHI	43.66	45.40	48.61	33.00	28.65	22.22	22.09	20.04	19.32
WR	1	GUJARAT	24.20	30.43	27.91	24.87	26.13	24.07	22.77	19.24	21.81
	2	MADHYA PRADESH	41.44	41.30	40.07	39.24	35.64	38.46	38.32	37.62	34.47
	3	CHHATTISGARH	42.55	28.06	31.06	31.71	29.79	26.38	18.62	15.06	16.45
	4	MAHARASHTRA	34.12	32.40	31.60	31.64	29.79	23.88	25.16	20.68	19.99
	5	D & N HAVELI	15.10	16.00	19.94	11.22	18.10	15.57	11.22	10.14	12.07
	6	GOA	45.05	35.97	19.68	20.90	21.18	17.12	16.99	15.27	12.43
	7	DAMAN & DIU	16.88	15.56	21.58	22.09	23.29	20.06	17.19	16.83	14.50
SR	1	ANDHRA PRADESH	27.73	23.96	20.06	18.65	22.41	19.56	18.37	16.59	17.46
	2	KARNATAKA	23.29	26.08	29.77	25.91	18.87	17.03	18.76	17.34	12.66
	3	KERALA	21.63	22.48	23.50	19.11	17.81	13.16	19.59	18.29	17.23
	4	TAMILNADU	17.16	19.28	18.66	19.54	18.71	18.14	18.41	13.47	16.34
	5	LAKSHADWEEP	11.85	10.20	11.19	12.87	18.05	24.87	11.59	25.65	22.47
	6	PUDUCHERRY	11.60	18.15	18.48	18.76	5.89	12.24	11.84	12.41	14.66
ER	1	BIHAR	36.66	38.88	43.96	50.67	48.79	46.37	43.58	50.77	50.89
	2	JHARKHAND	25.35	19.62	26.82	26.21	23.16	24.27	22.24	17.07	14.34
	3	ORISSA	57.09	44.02	45.56	40.86	39.44	42.65	37.00	42.47	44.63
	4	SIKKIM	54.99	50.49	10.73	26.86	36.80	38.80	39.01	33.67	31.12
	5	WEST BENGAL	31.01	28.54	24.84	23.64	21.29	16.79	18.33	22.40	23.19
	6	A & N ISLS.	25.95	12.63	24.32	23.10	26.86	24.16	19.76	20.68	18.16
NER	1	ASSAM	39.31	51.76	40.34	33.69	38.60	37.59	32.82	34.17	33.48
	2	MANIPUR	65.18	70.61	63.12	53.47	63.56	63.37	54.66	50.87	40.45
	3	MEGHALAYA	16.73	28.35	40.19	35.34	37.62	37.45	39.06	35.77	30.97
	4	NAGALAND	55.00	48.26	58.99	54.79	55.61	58.30	56.91	48.24	41.53
	5	TRIPURA	46.44	59.54	41.11	34.75	42.81	35.78	35.55	27.36	39.07
	6	ARUNACHAL PRADESH	47.54	42.96	49.72	57.79	67.20	46.88	48.04	47.12	46.25
	7	MIZORAM	55.54	66.14	39.19	38.18	44.63	52.70	53.80	45.63	47.73
All India			32.53	31.25	30.42	28.65	27.20	25.47	25.39	23.97	23.65
SOURCE : CEA.(GENERAL REVIEW)											

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3143
ANSWERED ON 29.08.2013

SHORTAGE OF POWER

†3143. DR. KIRODI LAL MEENA:

Will the Minister of POWER
be pleased to state:

- (a) whether the Economic Advisory Council (EAC) has recently highlighted the problem of power shortage in the country;
- (b) if so, the recommendations made by the EAC to tackle the problem; and
- (c) the steps taken by the Government in this regard?

A N S W E R

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

(a) & (b) : No, Madam.

(c) : Does not arise in view of above.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3144
ANSWERED ON 29.08.2013

IMPORT OF COAL

†3144. SHRI VILAS MUTTEMWAR:
SHRI P. KARUNAKARAN:

Will the Minister of POWER
be pleased to state:

- (a) whether the Central Electricity Authority (CEA) has fixed a target to import coal for various power houses;
- (b) if so, the details thereof;
- (c) whether 60 percent of the total imported coal will be used in such power plants which have been constructed to use the indigenous coal;
- (d) if so, the details thereof and the reasons therefor; and
- (e) the foreign exchange likely to be spent on such import of coal?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : Yes, Madam. During the year 2013-14, the total coal estimated to be imported is 82 Million Tonne (MT) for 36 power plants comprising 50 MT for 27 power plants designed on domestic coal and 32 MT for 9 power plants designed on imported coal.

As against the total domestic coal requirement of 516 MT for the year 2013-14, availability of domestic coal assured from CIL, SCCL and Captive Mines was only 441 MT, leaving a shortfall of 75 MT. In order to meet this shortfall of 75 MT domestic coal, Power Utilities have been advised to import 50 MT of imported coal as per the equivalent Gross Calorific Value (GCV) of the imported coal.

(e) : Price of imported coal depends upon various factors such as inter-alia, heat value, moisture content, ash content, source of origin, ocean freight, etc. As per Central Electricity Authority estimates, assuming an average landed price of 80 United States Dollars (USD) per tonne for 6300 Kcal/kg GCV imported coal, total foreign exchange involvement is expected to be around 6,560 Million USD.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3148
ANSWERED ON 29.08.2013

ALLOCATION UNDER R-APDRP

3148. DR. SANJAY JAISWAL:
SHRI ANTO ANTONY:

Will the Minister of POWER
be pleased to state:

- (a) the salient features of the Restructured Accelerated Power Development and Reforms Programme (RAPDRP);
- (b) the details of the funds sanctioned and utilised by various States under the said Scheme during each of the last three years and the current year, State-wise;
- (c) the steps taken/being taken by the Union Government for the speedy utilisation of funds by the State Governments, State-wise;
- (d) whether power distribution to Sabarimala and surrounding areas has been taken up under this Scheme; and
- (e) if so, the details and the present status of implementation thereof along with the amount disbursed so far for the same?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Government of India approved the Restructured-Accelerated Power Development and Reforms Programme (R-APDRP) as a Central Sector Scheme in July, 2008. The salient features of the Restructured Accelerated Power Development and Reforms Programme (R-APDRP) are given at Annex-I.

(b) : Under R-APDRP, funds are released in the form of loans against sanctioned projects in installments based on progress of projects and on achieving pre-defined milestones. So far (as on 22nd August, 2013), under R-APDRP, projects worth Rs.34984.34Crores have been sanctioned. Cumulatively an amount of Rs.6999.91Crore has been disbursed under R-APDRP, for sanctioned projects.

The total amount of central financial assistance sanctioned and disbursed to various state power utilities under the R-APDRP Programme during each of last three financial years and the current year is enclosed at Annex-II.

(c) : As per R-APDRP Guidelines, implementation of schemes is to be accomplished by concerned state power utilities. The role of Ministry of Power, Government of India and Power Finance Corporation Ltd. (PFC), the Nodal Agency, is formulation and issuing of guidelines, providing DPR formats, Model Bidding Documents for engaging consultants and implementing agencies for Part-A, empanelment of consultants and implementing agencies for Part-A, appraisal of DPRs and putting them to R-APDRP Steering Committee for sanction, providing disbursements as per guidelines.

Ministry of Power and Power Finance Corporation Ltd, the Nodal Agency, also regularly monitor R-APDRP project implementation in all States and advise State utilities/implementing agencies regarding issues hampering scheme implementation.

(d) & (e) : As per R-APDRP guidelines, towns with population greater than 30,000 [10,000 for special category states] are eligible for funding under the scheme. Since name of 'Sabrimala' does not figure in list of towns as released by Census of India in 2001, it is not eligible for funding under the scheme.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3148 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Government of India approved the Restructured-Accelerated Power Development and Reforms Programme (R-APDRP) as a Central Sector Scheme in July, 2008. The focus of R-APDRP is on actual demonstrable performance by utilities in terms of sustained Aggregate Technical and Commercial (AT&C) loss reduction in the project areas. Projects under the scheme are taken up in towns having population more than 30,000 (10,000 for special category States) as per census 2001. The scheme comprises of three parts-Part-A, Part-B & Part C.

Part-A: Part-A of the scheme is dedicated to establishment of IT enabled system for achieving reliable & verifiable baseline data system in all towns with population greater than 30,000 as per 2001 census (10,000 for Special Category States) Installation of SCADA/DMS for towns with population greater than 4 lakhs & annual input energy greater than 350MU is also envisaged under Part-A. SCADA systems shall enable real time monitoring and control of electrical parameters to improve quality, reliability and efficiency of power supply. 100% loan is provided under R-APDRP for Part-A projects & shall be converted to grant on completion and verification of same by Third Party independent Evaluating agencies (TPIEA) appointed by MoP/Nodal Agency.

Part-B:Part-B deals with regular Sub Transmission & Distribution system strengthening & upgradation projects. The focus for Part-B is on AT&C loss reduction on sustainable basis. Part-B is considered for sanction for towns where Part-A(IT) is implemented. 25% loan is provided under Part-B projects and upto 50% of scheme cost is convertible to grant depending on extent of maintaining AT&C loss level at 15% level for five years (with first year starting an year after the year in which the base-line data system (Part A) of project area concerned is established) and completion of project within three years of sanction as decided by R-APDRP Steering Committee. For special category states, 90% loan is provided by Gol for Part-B projects and entire Gol loan shall be converted to grant in five tranches depending on extent of maintaining AT&C loss level at 15% level for five years (with first year starting an year after the year in which the base-line data system (Part A) of project area concerned is established. Achieving AT&C loss level of greater than 15% shall reduce loan conversion to grant accordingly for that financial year. Upto 10% scheme cost for Part-B can be converted to grant each financial year for normal category states and upto 18% of scheme cost can be converted to grant each financial year for special category states.

Part-C

R-APDRP also has provision for Capacity Building of Utility personnel and development of franchises through Part-C of the scheme. Few pilot projects adopting innovations including those of smart grid are also envisaged under Part-C.

Scheme Outlay

The programme has a size of Rs. 51,577 Crores. The total grant from Gol is estimated as Rs. 31,577 Crores. The break-up is as follows:

- Rs. 50,000 Crore for Part-A & Part-B of the projects:
 - Rs.10,000 Crore for Part-A activities

- Rs.40,000 Crore for Part-B activities (MoP, GoI has earmarked sanctioning of schemes of upto Rs.40,000 Crores under R-APDRP Part-B. Of this, upto Rs.20,000 Crore would be converted to grant depending on extent to which utilities reduce AT&C losses in project areas)
- Rs.1,177 Crores for enabling activities to be implemented by MoP(nodal agency fee, capacity building, pilot projects adopting new innovations)
- Rs. 400 Crores for incentive to utility staff of project areas for establishment of baseline data & for achieving targeted reduction in AT&C losses

Nodal Agency

Power Finance Corporation has been designated by MoP as the nodal agency for operationalising the scheme. The nodal agency has appointed process consultant & has empanelled IT Consultants, IT implementing agencies, SCADA/DMS Consultants, SCADA implementing agencies and Third Party Independent Evaluating Agencies-Energy Accounting & IT.

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3148 ANSWERED IN THE LOK SABHA ON 29.08.2013.

YEARWISE SANCTION & DISBURSEMENT UNDER R-APDRP

All Amounts in Rs. Crores

(As on 22-Aug-13)

State	Utility	SANCTIONS				DISBURSEMENTS			
		SANC-TIONS 2010-11	SANC-TIONS 2011-12	SANC-TIONS 2012-13	SANC-TIONS 2013-14	DISBURSE- MENTS 2010-11	DISBURSE- MENTS 2011-12	DISBURSE- MENTS 2012-13	DISBURSE- MENTS 2013-14
Haryana	TOTAL	230.69	442.89	0.00	238.15	0.00	0.00	0.00	0.00
HP	HPSEB	337.52	16.79	0.00	0.00	101.25	0.00	29.59	0.00
J&K	J&K PDD	17.50	1718.16	0.00	0.00	5.25	515.45	0.00	0.00
Punjab	PSEB	0.00	1050.26	0.00	0.00	0.00	207.41	10.26	13.50
Chandigarh	ED	33.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	TOTAL	1448.62	0.00	-4.40	0.00	252.21	0.00	36.07	0.00
UP	TOTAL	1831.70	1732.59	1824.44	683.24	274.76	60.33	302.00	84.61
Uttarakhand	UPCL	0.00	409.18	191.46	0.00	0.00	33.59	117.79	0.00
Total Utilities (North)		3899.37	5369.87	2011.50	921.39	633.48	816.78	495.71	98.11
MP	TOTAL	1709.09	70.03	44.91	0.00	254.24	41.62	38.51	0.00
Gujarat	TOTAL	259.11	5.36	-39.77	0.00	190.62	0.00	55.99	28.79
Chhattisgarh	CSEB	0.00	751.30	0.00	0.00	0.00	0.00	118.85	0.00
Maharashtra	MSEDCL	1793.51	1682.31	154.54	0.00	197.09	344.02	125.01	0.00
Goa	GOA ED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (West)		3761.71	2509.00	159.68	0.00	641.95	385.63	338.36	28.79
AP	TOTAL	876.36	65.15	238.08	71.05	124.32	35.05	11.90	84.44
Karnataka	TOTAL	149.30	0.00	-162.40	0.00	100.83	41.75	0.00	68.24
Kerala	KSEB	926.33	28.99	206.13	0.00	75.51	80.25	30.92	0.00
Tamil Nadu	TNEB	3357.82	0.00	-1088.68	0.00	526.23	4.77	0.00	0.00
Puducherry	PD	0.00	0.00	98.67	0.00	0.00	4.50	0.00	0.00
Total (South)		5309.81	94.14	-708.20	71.05	826.89	166.31	42.82	152.68
Bihar	BSEB	0.00	647.18	530.05	0.00	0.00	0.00	82.53	0.00
Jharkhand	JSEB	0.00	0.00	0.00	0.00	0.00	18.18	0.00	0.00
West Bengal	WBSEDCL	551.41	161.15	7.28	0.00	82.05	45.87	55.87	0.00
Total (East)		551.41	808.33	537.33	0.00	82.05	64.05	138.40	0.00
Assam	APDCL	0.60	665.87	0.00	0.00	0.00	124.15	75.79	0.00
Arunachal	PD	37.68	0.00	0.00	0.00	11.30	0.00	0.00	0.00
Nagaland	PD	34.58	0.00	0.00	0.00	10.37	0.00	0.00	0.00
Manipur	PD	0.00	0.00	398.87	0.00	9.47	0.00	119.66	0.00
Meghalaya	MeSEB	0.00	0.00	0.00	159.73	10.19	0.00	0.00	0.00
Mizoram	PD	0.86	0.00	0.00	0.00	10.54	0.00	0.00	0.00
Sikkim	PD	68.46	0.00	0.00	0.00	20.54	0.00	0.00	0.00
Tripura	PD	0.82	148.26	16.83	0.00	0.00	43.07	6.71	0.00
Total (NE)		143.00	814.13	415.70	159.73	72.41	167.22	202.16	0.00
Total		13665.30	9595.47	2416.01	1152.17	2256.78	1600.00	1217.45	279.58

NOTE: Projects cost showing negative (-ve) sign has been cancelled by the R-APDRP Steering Committee in its 27th meeting held on 18th February, 2013 under the chairmanship of S(P).

(Source: PFC)

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3149
ANSWERED ON 29.08.2013

REFORMS IN POWER SECTOR

3149. SHRI ADHALRAO PATIL SHIVAJI:
SHRI ANANDRAO ADSUL:
SHRI GAJANAN D. BABAR:
SHRI DHARMENDRA YADAV:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has introduced reforms to boost the power sector and give a new lease of life to the sector where investments have come to a standstill;
- (b) if so, the details thereof;
- (c) whether the private power companies have requested the Government to address the issues related to financial viability of the existing competitively-bid projects;
- (d) if so, the details thereof; and
- (e) the manner in which these reforms would help to improve the investment climate in the power sector and the extent to which these would help to facilitate the generation of more power in the country?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : The Electricity Act, 2003 has consolidated the laws relating to generation, transmission, distribution, trading and use of electricity and for taking measures conducive to development of electricity industry, promoting competition therein, protecting interest of consumers and supply of electricity to all areas, rationalisation of electricity tariff, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies etc. and for matters incidental thereto.

With a view to bringing improvement in the power sector and to provide electricity at economical rates to the consumers, the Government notified National Electricity Policy in 2005, Tariff Policy in 2006. Guidelines and Standard Bidding Documents have been issued for determination of tariff by bidding process for procurement of power by distribution licensees and for transmission projects. Further, the Rural Electrification Policy, National Electricity Plan, Hydro Power Policy have also been notified. In addition to this, Distribution reforms through APDRP and R-APDRP schemes have been launched. National Electricity Fund (NEF) Scheme has been approved to provide reforms-linked interest subsidy to the public and private power utilities for improvement in their distribution network.

(c) to (e) : The Government had received references from various stakeholders regarding fuel availability risk of domestic coal, price risk due to change in prices of fuel in coal exporting countries, delay/denial in environment & forest clearance pertaining to coal blocks etc. To address these concerns, Ministry of Power is in the process of revising the Standard Bidding Documents which will be applicable for future projects.

Higher cost of imported coal is to be considered for pass through as per modalities suggested by CERC. Ministry of Coal has issued suitable orders supplementing the New Coal Distribution Policy (NCDP). Ministry of Power has issued appropriate advisory to CERC/SERCs to consider the request of individual power producers to decide for pass through of higher cost of imported coal on case to case basis.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3152
ANSWERED ON 29.08.2013

CONSTRUCTION OF POWER PLANTS

†3152. SHRI PASHUPATI NATH SINGH:

Will the Minister of POWER
be pleased to state:

- (a) the status of power plants which are under construction as on date;
- (b) the details of power plants which are lagging behind their stipulated schedule;
- (c) the names of the projects which are lagging behind their schedule by more than five years;
- (d) the main reasons for lagging behind the schedule of these projects; and
- (e) the steps being taken/proposed to be taken thereon?

A N S W E R

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

(a) & (b) : The status of thermal and hydro power projects (above 25 MW) under construction in the country, including details of the projects lagging behind their stipulated schedule, is enclosed at Annex-I and Annex-II, respectively.

(c) : The details of under construction hydro power projects which are lagging behind schedule, by more than five years, is enclosed at Annex-III. There is no thermal power project lagging behind the schedule by more than five years.

(d) : The main reasons for these projects lagging behind schedule include, inter-alia, land acquisition; environment and forest issues; rehabilitation and resettlement issues; natural calamities; law and order problems & local issues; contractual problems; change in design of projects; geological surprises, difficult terrain & poor accessibility, etc.

(e) : Steps taken by the Government for the timely completion of these projects include, inter-alia, rigorous monitoring of capacity addition of ongoing generation projects at the highest level; the periodic review of issues related to supply of power equipment from BHEL; formation of several new joint ventures to manufacture super-critical boilers and turbine-generators for thermal power plants; introduction of web-based monitoring system; and sensitization of stake-holders to enlarge the vendor base to meet Balance of Plants requirements.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3152 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Status of under construction thermal power projects in the country					
State	Project Name	Unit No	Cap. (MW)	Original commissioning schedule	Anticipated commissioning schedule
<i>CENTRAL SECTOR</i>					
<i>Assam</i>	Bongaigaon TPP	U-1	250	Jan-11	Jul-14
		U-2	250	May-11	May-15
		U-3	250	Sep-11	Oct-15
<i>Bihar</i>	Barh STPP- I	U-1	660	Oct.,13 *	Jun-15
		U-2	660	Apri.,14 *	Apr-16
		U-3	660	Oct., 14 *	Feb-17
<i>Bihar</i>	Barh STPP-II	U-4	660	Dec-12	Oct-13
		U-5	660	Oct-13	Sep-14
<i>Bihar</i>	Muzaffarpur TPP Exp	U-3	195	Oct-12	Mar-14
		U-4	195	Jan-13	Sep-14
<i>Bihar</i>	Nabi Nagar TPP	U-1	250	May-13	Jul-14
		U-2	250	Sep-13	Jan-15
		U-3	250	Jan-14	Jul-15
		U-4	250	May-14	Jan-16
<i>Bihar</i>	New Nabi Nagar TPP	U-1	660	Jan-17	Feb-17
		U-2	660	Jul-17	Aug-17
		U-3	660	Jan-18	Feb-18
<i>Chhattisgarh</i>	Lara TPS	U-1	800	Nov-16	Mar-17
<i>Chhattisgarh</i>	Lara TPS	U-2	800	May-17	Sep-17
<i>Jharkhand</i>	Bokaro TPS "A" Exp.	U-1	500	Dec-11	Oct-14
<i>Karnataka</i>	Kudgi STPP Ph-I	U-1	800	Dec-15	Jun-16
		U-2	800	Jun-16	Dec-16
		U-3	800	Dec-16	Jun-17
<i>Maharashtra</i>	Mouda STPP Ph-II	U-3	660	Mar-16	May-16
		U-4	660	Sep-16	Nov-16
<i>Maharashtra</i>	Solapur STPP	U-1	660	May-16	May-16
		U-2	660	Nov-16	Nov-16
<i>MP</i>	Vindhyachal TPP Ph-V	U-13	500	Aug-15	Jan-16
<i>MP</i>	Gadarwara	U-1	800	Mar-17	Apr-17
<i>MP</i>	Gadarwara	U-2	800	Sep-17	Oct-17
<i>TN</i>	Neyveli TPS-II Exp.	U-2	250	Jun-09	Mar-14
<i>TN</i>	Tuticorin JV	U-1	500	Mar-12	Feb-14
		U-2	500	Aug-12	Apr-14
<i>TN</i>	Vallur TPP PH-II JV	U-3	500	Dec-12	Feb-14
<i>Tripura</i>	Monarchak CCPP	GT	61.3	Mar-13	Jan-14
		ST	39.7	Jul-13	May-14
<i>Tripura</i>	Tripura Gas	Module-2	363.3	Mar-12	Oct-13
<i>UP</i>	Rihand TPP- III	U-6	500	Dec-12	Nov-13
<i>UP</i>	Meja STPP	U-1	660	Jun-16	Jun-16
		U-2	660	Dec-16	Dec-16
<i>WB</i>	Raghunathpur TPP, Ph-I	U-1	600	Feb-11	Mar-14
		U-2	600	May-11	Jul-14
<i>WB</i>	Raghunathpur TPP,	U-1	660	Aug-17	17-18

	Ph-II	U-2	660	Jan-18	17-18
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STATE SECTOR					
AP	Damodaram Sanjeevaiah TPS	U-1	800	Jul-12	Feb-14
		U-2	800	Jan-13	Oct-14
AP	Kakatiya TPP Extn	U-1	600	Jul-12	May-14
AP	Rayalseema St-III U-6	U-6	600	Jul-14	Dec-15
Assam	Namrup CCGT	GT	70	Sep-11	Mar-14
		ST	30	Jan-12	Jun-14
Chhattisgarh	Marwa TPP	U-1	500	Sep-12	Dec-13
		U-2	500	Jul-12	Mar-14
Delhi	Pragati CCGT-III	ST-2	250	Nov-10	Sep-13
Gujarat	Pipavav CCGT	Block-1	351	Sep-10	Dec-13
Gujarat	Sikka TPP Extn.	U-3	250	Oct-13	Apr-14
		U-4	250	Jan-14	Jul-14
Gujarat	Bhavnagar CFBC TPP	U-1	250	Oct-13	Sep-14
		U-2	250	Dec-13	Dec-14
Maharashtra	Chandrapur TPS	U-8	500	Jun-12	Feb-14
		U-9	500	Sep-12	Jun-14
Maharashtra	Koradi TPP Expn.	U-8	660	Dec-13	Mar-14
		U-9	660	Jun-14	Oct-14
		U-10	660	Dec-14	Apr-15
Maharashtra	Parli TPP Expn.	U-8	250	Jan-12	Feb-14
MP	Malwa TPP (Shree Singaji)	U-1	600	Jun-12	Sep-13
		U-2	600	Oct-12	Mar-14
MP	Satpura TPP Extn	U-11	250	Apr-12	Oct-13
Rajasthan	Chhabra TPP Extn.	U-3	250	May-11	Sep-13
Rajasthan	Chhabra TPP Extn.	U-4	250	Jul-11	Mar-14
Rajasthan	Kalisindh TPS	U-1	600	Aug-11	Sep-13
		U-2	600	Mar-12	Feb-14
Rajasthan	Ramgarh CCGT Ext.-III	ST	50	Oct-11	Dec-13
TN	North Chennai Extn.	U-1	600	Apr-11	Sep-13
UP	Anpara-D	U-6	500	Mar-11	Apr-14
		U-7	500	Jun-11	Jul-14
WB	Durgapur TPS Extn	U-8	250	Dec-13	Mar-14
WB	Sagardighi TPP-II	U-3	500	Jul-14	Oct-14
		U-4	500	Oct-14	Feb-15
PRIVATE SECTOR					
AP	Bhavanpadu TPP Ph-I	U-1	660	Oct-13	Oct-15
		U-2	660	Mar-14	Mar-16
AP	NCC TPP	U-1	660	Mar-15	Apr-16
		U-2	660	Jun-15	Aug-16
AP	Painampuram TPP	U-1	660	May-14	Sep-14
		U-2	660	Aug-14	Dec-14
AP	Simhapuri Energy Pvt Ltd Ph-II	U-3	150	Dec-11	Nov-13
		U-4	150	Feb-12	Feb-14
AP	Thamminapatnam TPP-II	U-3	350	May-12	Mar-15
		U-4	350	Aug-12	Jun-15
AP	Vizag TPP	U-1	525	Jun-13	Feb-14
		U-2	525	Sep-13	Jun-14
Bihar	Jas Infra. TPS	U-1	660	Aug-14	Dec-16
		U-2	660	Dec-14	16-17
		U-3	660	Apr-15	17-18
		U-4	660	Aug-15	17-18

<i>Chhattisgarh</i>	Akaltara TPP (Naiyara)	U-2	600	Aug-12	Dec-13
		U-3	600	Dec-12	Jun-14
		U-4	600	Apr-13	Aug-14
<i>Chhattisgarh</i>	Avantha Bhandar TPS,	U-1	600	Jul-12	Oct-13
<i>Chhattisgarh</i>	Baradarha TPP	U-1	600	Mar-13	Oct-13
		U-2	600	Jul-13	Mar-14
<i>Chhattisgarh</i>	Balco TPP	U-1	300	Feb-11	Mar-14
		U-2	300	Nov-10	Feb-14
<i>Chhattisgarh</i>	Bandakhar TPP	U-1	300	Dec-12	May-14
<i>Chhattisgarh</i>	Binjkote TPP	U-1	300	Jan-14	Nov-14
		U-2	300	Apr-14	Feb-15
		U-3	300	Jul-14	Sep-15
		U-4	300	Oct-14	Jan-16
<i>Chhattisgarh</i>	Lanco Amarkantak TPS-II	U-3	660	Jan-13	Oct-14
		U-4	660	Mar-13	Mar-15
<i>Chhattisgarh</i>	Raikheda TPP	U-1	685	Sep-13	Jun-14
		U-2	685	Jan-14	Nov-14
<i>Chhattisgarh</i>	Singhitarai TPP	U-1	600	Jun-14	Mar-15
		U-2	600	Sep-14	Aug-15
<i>Chhattisgarh</i>	Swastic TPP	U-1	25	Jun-12	Dec-13
<i>Chhattisgarh</i>	Tamnar TPP (Raigarh)	U-1	600	Jan-14	Oct-13
		U-2	600	Apr-14	Mar-14
		U-3	600	Sep-14	Feb-15
		U-4	600	Nov-14	Aug-15
<i>Chhattisgarh</i>	TRN Energy TPP	U-1	300	Dec-13	Aug-14
		U-2	300	Apr-14	Dec-14
<i>Chhattisgarh</i>	Uchpinda TPP	U-1	360	May-12	Jun-14
		U-2	360	Nov-12	Nov-14
		U-3	360	Feb-13	Jan-15
		U-4	360	Jul-13	Mar-15
<i>Chhattisgarh</i>	Chakabura TPP	U-1	30	Sep-13	Jan-14
<i>Chhattisgarh</i>	Salora TPP	U-1	135	Jun-11	Sep-13
		U-2	135	Sep-11	Dec-13
<i>Chhattisgarh</i>	Visa TPP	U-1	600	Aug-13	Jul-15
<i>Jharkhand</i>	Maitrishi Usha TPP-Ph-I	U-1	270	May-12	Sep-14
		U-2	270	Jun-12	Dec-14
<i>Jharkhand</i>	Maitrishi Usha TPP-Ph-II	U-3	270	Feb-13	Jan-15
		U-4	270	Mar-13	Mar-15
<i>Jharkhand</i>	Tori TPP	U-1	600	Jun-13	Apr-15
<i>Maharashtra</i>	Amravati TPP Ph-I	U-2	270	Dec-11	Nov-13
		U-3	270	Jan-12	Feb-14
		U-4	270	Feb-12	May-14
		U-5	270	Mar-12	Aug-14
<i>Maharashtra</i>	Amravati TPP Ph-II	U-1	270	Jul-14	*
		U-2	270	Sep-14	*
		U-3	270	Nov-14	*
		U-4	270	Jan-15	*
		U-5	270	Mar-15	*
<i>Maharashtra</i>	Dhariwal Infrastructure TPP	U-1	300	Feb-12	Sep-13
		U-2	300	May-12	Jan-14
<i>Maharashtra</i>	EMCO Warora TPP	U-2	300	Feb-12	Aug-13
<i>Maharashtra</i>	Lanco Vidarbha TPP	U-1	660	Jan-14	Dec-15
		U-2	660	May-14	Aug-16
<i>Maharashtra</i>	Nasik TPP Ph-I	U-1	270	Feb-12	Oct-13
		U-2	270	Apr-12	Dec-13
		U-3	270	Jun-12	Nov-14
		U-4	270	Aug-12	Jan-15
		U-5	270	Oct-12	Mar-15

<i>Maharashtra</i>	Nasik TPP Ph-II	U-1	270	Apr-13	*
		U-2	270	Jun-13	*
		U-3	270	Aug-13	*
		U-4	270	Oct-13	*
		U-5	270	Dec-13	*
<i>Maharashtra</i>	Tirora TPP Ph-II	U-2	660	Jul-12	Nov-13
		U-3	660	Oct-12	Feb-14
<i>MP</i>	Anuppur TPP Ph-I	U-1	600	Apr-13	Nov-14
		U-2	600	Aug-13	Mar-15
<i>MP</i>	Mahan TPP	U-2	600	Sep-11	Dec-13
<i>MP</i>	Nigri TPP	U-1	660	Jun-13	Mar-14
		U-2	660	Dec-13	Sep-14
<i>MP</i>	Sasan UMPP	U-1	660	May-13	*
		U-2	660	Dec-13	Oct-13
		U-4	660	Feb-15	Dec-13
		U-5	660	Sep-15	*
		U-6	660	Apr-16	*
<i>MP</i>	Gorgi TPP (DB Power)	U-1	660	Jun-13	Jan-17
<i>MP</i>	Seioni TPP Ph-I	U-1	600	Mar-13	Mar-14
<i>Odisha</i>	Derang TPP	U-1	600	Mar-12	Jan-14
		U-2	600	Jun-12	Jun-14
<i>Odisha</i>	Ind Bharat TPP (Orissa)	U-1	350	Sep-11	Nov-13
		U-2	350	Dec-11	Mar-14
<i>Odisha</i>	Kamalanga TPP	U-2	350	Dec-11	Sep-13
		U-3	350	Feb-12	Dec-13
		U-1	350	Dec-11	Dec-14
<i>Odisha</i>	KVK Nilanchal TPP	U-2	350	Jan-12	Aug-15
		U-3	350	Mar-12	Dec-15
		U-1	660	Apr-13	Dec-15
<i>Odisha</i>	Lanco Babandh TPP	U-2	660	Aug-13	Jun-16
		U-1	525	Dec-12	Sep-14
<i>Odisha</i>	Malibrahmani TPP	U-2	525	Feb-13	Dec-14
<i>Punjab</i>	Goindwal Sahib	U-1	270	Apr-13	Sep-13
		U-2	270	Oct-13	Feb-14
<i>Punjab</i>	Rajpura TPP (Nabha)	U-1	700	Jan-14	Jan-14
		U-2	700	Mar-14	Apr-14
<i>Punjab</i>	Talwandi Sabo TPP	U-1	660	Oct-12	Dec-13
		U-2	660	Jan-13	Apr-14
		U-3	660	May-13	Jul-14
<i>Rajasthan</i>	Kawai TPP	U-2	660	Mar-13	Oct-13
<i>TN</i>	Melamaruthur TPP	U-1	600	Feb-12	Nov-13
		U-2	600	Mar-12	Mar-14
<i>TN</i>	Tuticorin TPP (Ind-Barath)	U-1	660	May-12	Mar-16
		U-2	150		Sep-13
<i>UP</i>	Prayagraj (Bara) TPP	U-1	660	Feb-14	Jul-14
		U-2	660	Jul-14	Dec-14
		U-3	660	Dec-14	Mar-15
<i>UP</i>	Lalitpur TPP	U-1	660	Oct-14	Oct-14
		U-2	660	Feb-15	Feb-15
		U-3	660	Jun-15	Jun-15
<i>WB</i>	Haldia TPP-I	U-1	300	Aug-14	Aug-14
		U-2	300	Nov-14	Nov-14

* No work/ commissioning date not yet fixed

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3152 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Status of under construction hydro power projects in the country

Sl. No	Name of Project / Capacity (MW)	State	Original commissioning schedule	Anticipated commissioning schedule
<i>Central Sector</i>				
1.	Uri-II 4x60 = 240 MW	J&K	2009-10	2013-14
2.	Nimoo Bazgo 3x15 = 45 MW	J&K	2010-11	2013-14
3.	Kishanganga 3x110 = 330 MW	J&K	2015-16	2016-17
4.	<i>Parbati-II</i> 4x200 = 800 MW	H.P.	2009-10	2016-17
5.	Parbati-III 4x130 = 520 MW	H.P.	2010-11	2013-15
6.	Kol Dam 4x200 = 800 MW	H.P.	2008-10	2014-15
7.	Ram Pur 6x68.67= 412 MW	H.P.	2011-12	2013-15
8.	Tapovan Vishnugad 4x130 = 520 MW	Uttarakhand	2011-12	2015-16
9.	Tehri PSS, 4x250=1000 MW	Uttarakhand	2011-12	2017-18
10.	Lata Tapovan, 3x57= 171 MW	Uttarakhand	2017-18	2017-18
11.	Teesta Low Dam-IV 4x40 = 160 MW	West Bengal	2009-10	2014-15
12.	Subansiri Lower 8x250= 2000 MW	Arunachal Pradesh	2010-11	2016-18
13.	Kameng 4x150 = 600 MW	Arunachal Pradesh	2009-10	2016-17
14.	Pare 2x55 = 110 MW	Arunachal Pradesh	2013-14	2014-15
15.	Tuirial 2x30= 60 MW	Mizoram	2006-07	2016-17
<i>State Sector</i>				
16.	Baglihar-II 3x150= 450 MW	J&K	2014-15	2016-17
17.	Uhl-III 3x33.3 =100 MW	H.P.	2006-07	2014-15
18.	Kashang-I 65 MW	H.P.	2012-13	2014-15
19.	Kashang-II & III 1x65 + 1x65= 130 MW	H.P.	2013-14	2015-16
20.	Sainj 100 MW	H.P.	2014-15	2014-15
21.	Swara Kuddu 3x37= 111 MW	H.P.	2010-11	2014-15
22.	Shongtong Karcham	H.P.	2017-18	2017-18

Sl. No	Name of Project / Capacity (MW)	State	Original commissioning schedule	Anticipated commissioning schedule
	3x150= 450 MW			

23.	Koyna Left Bank PSS 2x40 = 80 MW	Maharashtra	2017-18	2017-18
24.	Nagarujana Sagar TR 2x25=50 MW	A.P.	2008-09	2014-15
25.	Lower Jurala 6x40=240 MW	A.P.	2011-13	2013-16
26.	Pulichintala 120 MW (4x30 MW)	A.P.	2009-11	2015-17
27.	Pallivasal 2x30= 60 MW	Kerala	2010-11	2014-15
28.	Thottiyar 1x30 + 1x10= 40 MW	Kerala	2013-14	2015-16
29.	Bhawani Kattalai Barrage-II 2x15 = 30 MW	Tamil Nadu	2006-07	2013-14
30.	Bhawani Kattalai Barrage-III, 2x15 = 30	Tamil Nadu	2006-07	2013-14
31.	New Umtru 2x20=40	Meghalaya	2011-12	2014-15
	Private Sector			
32.	Sorang 2x50= 100 MW	H.P.	2012-13	2013-14
33.	Tidong-I 2x50 = 100 MW	H.P.	2013-14	2015-16
34.	Tangnu Romai-I 2x22= 44 MW	H.P.	2014-15	2015-16
35.	Bajoli Holi 3x60=180MW	H.P.	2017-18	2017-18
36.	Shrinagar 4x82.5=330	Uttarakhand	2005-06	2014-15
37.	Phata Byung 2x38 MW = 76 MW	Uttarakhand	2013-14	2014-15
38.	Singoli Bhatwari 3x33 MW = 99 MW	Uttarakhand	2015-16	2015-16
39.	<u>Maheshwar</u> , 10x40= 400 MW	M. P.	2001-02	2014-15
40.	Teesta-III 6x200=1200 MW	Sikkim	2011-13	2014-15
41.	Teesta-VI 4x125= 500 MW	Sikkim	2012-13	2015-16
42.	Rangit-IV 3x40= 120 MW	Sikkim	2012-13	2014-15
43.	Jorethang Loop 2x48 = 96 MW	Sikkim	2013-14	2014-15
44.	Bhasmey 3x17= 51 MW	Sikkim	2014-15	2015-16
45.	Tashiding 2x48.5 = 97 MW	Sikkim	2013-14	2017-18
46.	Dikchu 3x32= 96 MW	Sikkim	2015-16	2017-18
47.	Rangit-II 2x33= 66 MW	Sikkim	2016-17	2017-18
48.	Rongnichu 2x48= 96 MW	Sikkim	2015-16	2017-18

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 3152 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Hydro power projects which are lagging behind their schedule by more than five years

Sr. No	Name of Project Capacity	Commissioning Schedule		Time over run
		Original mm/yy	Latest mm/yy	
1	2	3	4	5
CENTRAL SECTOR				
1	Kol Dam (4x200 MW)	Apr-09 2008-10	2014-15	71 months
2	Tuirial (2x30 MW)	Jul-06 2006-07	2016-17	128 months
3	Kameng (4x150 MW)	Dec 09 2009-10	2016-17	87 months
4	Tehri PSS (4x250 MW)	Jul- 10 2010-11 (As per original approval) Feb-16 (2015-16) (As per RCE)	2017-18	92 months
5	Teesta Low Dam- IV (4x40 MW)	Sep-09 2009-10	2014-15	66 months
6	Parbati - II (4x200 MW)	Sep-09 2009-10	2016-17	90 months
7	Subansiri Lower (8x250 MW)	Sep-10 2010-11	2016-18	90 months
STATE SECTOR				
HIMACHAL PRADESH				
8	Uhi-III (3x33.33MW)	Mar-07 2006-07	2014-15	96 months
ANDHRA PRADESH				
9	Pulichintala (4x30MW)	2009-11	2015-17	60 months
10	Nagarjuna Sagar Tail Pool Dam (2x25 MW)	Nov-08 2008-09	2014-15	72 months
TAMIL NADU				
11	Bhavani Kattalai H.E. Project Barrage II (2x15 MW)	Mar-06 2005-06	2013-14	98 months
12	Bhavani Kattalai H.E. Project Barrage III (2x15 MW)	Mar-06 2005-06	2012-14	96 months
PRIVATE SECTOR				
UTTARAKHAND				
13	Shrinagar (4x82.5 MW)	2005-06	2014-15	108 months
MADHYA PRADESH				
14	Maheshwar (10x40 MW)	2001-02	2014-15	156 months

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3157
ANSWERED ON 29.08.2013

SUPPLY OF COAL

†3157. SHRI PRADEEP KUMAR SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether coal required for power generation for less than a week is left in most of the power plants of the country and the generation of power may be affected due to hurdles in coal supply;
- (b) if so, the details thereof;
- (c) whether any agreements have been signed between the power generation companies and Coal India Limited (CIL) to provide a minimum quantity of coal required for power generation;
- (d) if so, the details thereof; and
- (e) if not, the time frame by which agreements in this regard are likely to be signed?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : As on 21st August, 2013, the all India coal stock of thermal power stations was 23.29 Million Tonne (MT) which was for 19 days as compared to around 9.12 MT for 9 days on the same day last year. The number of thermal power stations were having coal stock less than 7 days have reduced from 32 to 8.

(c) to (e): At present, 97 units of thermal power projects having around 40,000 MW capacity have signed Fuel Supply Agreement with subsidiary companies of Coal India Limited (CIL) for supply of coal.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3162
ANSWERED ON 29.08.2013

POWER GENERATION CAPACITY

3162. SHRI NAMA NAGESWARA RAO:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has any data regarding the power generation capacity and the volume of power produced by the national energy producers in the country;
- (b) if so, the details thereof;
- (c) whether the under utilisation of power generation capacity of energy producers is a major concern; and
- (d) if so, the reasons therefor and the steps taken by the Government in this regard?

A N S W E R

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

(a) & (b): The monitored capacity of central sector generation stations as on 31.07.2013 was 68,496.93 MW. Actual gross electricity generation by these plants during 2013-14 (up to 31st July, 2013) was approximately 1,19,776 Million Unit.

(c) & (d): The utilization of installed capacity of a generating unit of power producers is linked to the type of power station. While the thermal units are meant to be utilized continuously as base-load units, hydro units are to be utilized both as base or peak load, depending on availability of water/reservoir level. Thus, utilization of installed capacity is effectively applicable to thermal (including nuclear) generating units and is expressed in terms of Plant Load Factor (PLF). The PLF of thermal and nuclear units mainly depends on a number of factors such as age

of the units, outages for repairs (forced) and planned maintenance, availability of quantity and quality of fuel and receipt of schedule from beneficiaries, etc. Availability of water for hydel power generation influences the performance of hydro power stations. Therefore, unlike PLF for thermal stations, availability of hydel power station is used to assess the performance of that station. Reasons for their performance below their generating capacity include inadequate availability of coal and gas, supply of coal having quality at variance with designed coal, long duration forced outages, closure of the plant on account of taking up Renovation & Modernization, Life Extension and uprating works, problem of silt, etc.

The remedial steps taken by the Government are :

- (i) Pursuing with Coal India Limited for adequate quantity and quality of coal including for third party sampling of coal quality.
- (ii) Pursuing with the States for scheduled procurement of power.
- (iii) Pursuing with power stations for lesser forced outage.
- (iv) Expediting renovation, modernization and life extension of old and inefficient generation units.
- (v) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been advised to import coal.
- (vi) Regular reviews are held at various levels including Ministry of Power, Ministry of Heavy Industries, Ministry of Coal, Planning Commission and Cabinet Secretariat to identify the constraint areas and facilitate faster resolution of inter-ministerial and other outstanding issues. For the State Sector generating units review is also held at various levels of the respective State Utilities.
- (vii) De-silting of hydro stations caused by heavy rains.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3165
ANSWERED ON 29.08.2013

POWER PROJECTS IN BIHAR

†3165. SHRI VISHWA MOHAN KUMAR:

Will the Minister of POWER
be pleased to state:

- (a) the number of power projects sanctioned in Bihar and the number of hydro power and thermal power projects out of them, separately; and
- (b) the time by which electricity is likely to be generated from these power projects along with the provision of coal supply for the thermal power projects?

A N S W E R

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

(a) & (b) : At present no hydro project (above 25 MW) is under construction in the State of Bihar. After enactment of the Electricity Act, 2003, concurrence of Central Electricity Authority (CEA) is not required for setting up of new thermal power projects. However, the details of thermal power projects which are presently under construction in Bihar along with their capacity, anticipated commissioning date and provision of coal supply is given at Annex.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3165 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Project Name	Unit No	Capacity (In MW)	Anticipated Date of Commissioning	Provision of Coal Supply
<u>CENTRAL SECTOR</u>				
Barh STPP-I	U-1	660	06/15	Coal linkage
	U-2	660	04/16	
	U-3	660	02/17	
Barh STPP-II	U-4	660	10/13	Coal block
	U-5	660	09/14	
Kanti TPS St-II.	U-1	195	03/14	Coal linkage
	U-2	195	09/14	
Nabi Nagar TPP	U-1	250	07/14	Coal linkage
	U-2	250	01/15	
	U-3	250	07/15	
	U-4	250	01/16	
New Nabi Nagar STPP	U-1	660	02/17	Coal linkage
	U-2	660	08/17	
	U-3	660	02/18	
<u>STATE SECTOR</u>				
Barauni TPS Extn.	U-1	250	03/15	Coal Block. Ministry of Coal has approved "in principle" tapering linkage
	U-2	250	06/15	
<u>PRIVATE SECTOR</u>				
Jas TPP, Vill- Siriya Distt-Banka	U-1	660	16-17	Coal Block
	U-2	660	16-17	
	U-3	660	17-18	
	U-4	660	17-18	

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3166
ANSWERED ON 29.08.2013

ELECTRICITY CONNECTIONS UNDER RGGVY

†3166. DR. RAGHUVANSH PRASAD SINGH:
SHRI KAUSHALENDRA KUMAR:

Will the Minister of POWER
be pleased to state:

- (a) the number of households to which electricity connection was proposed to be provided along with the number of transformers proposed to be installed in Bihar under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY);
- (b) the details of the number of households in the State that are yet to be provided electricity connections, area-wise;
- (c) the details of the scheme to provide electricity connections to all the households in the State;
- (d) whether the Government has also selected 'Urja Grams' in every district of Bihar to achieve this objective; and
- (e) if so, the details thereof?

A N S W E R

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

(a) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), 43 projects (26 projects in 10th Plan and 17 projects in 11th Plan) and 11 supplementary projects under Phase-II of RGGVY, were sanctioned in Bihar covering release of free electricity connections to 55,52,867 Below Poverty Line(BPL) households. 92,876 numbers of transformers were proposed to be installed in Bihar.

(b) : Cumulatively, as on 31.07.2013, free electricity connections to 24,20,077 BPL households have been released under RGGVY in Bihar. The project-wise, details of release of free electricity connections to BPL households, is at Annex.

(c) : The electrification of the remaining villages/habitations having population more than 100 is to be taken up for consideration as per the approved guidelines for 12th Plan RGGVY.

(d) : No, Madam.

(e) : Does not arise.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3166 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Project wise coverage and achievement of BPL households under RGGVY in the State of Bihar

Sl. No.	District	Coverage	Ach.	Balance
X Plan				
1	Darbanga	44942	44942	0
2	East Champaran	68685	68685	0
3	Madhubani	39070	39070	0
4	Sheohar	11400	11400	0
5	Sitamarhi	41694	41694	0
6	Araria	35433	28944	6489
7	Aurangabad	43050	42630	420
8	Banka	43014	43014	0
9	Bhagalpur	30459	30459	0
10	Bhojpur	25791	25791	0
11	Buxar	18293	18293	0
12	Gaya (south)	47441	47441	0
13	Gaya(North)	31763	27312	4451
14	Gopalganj	28409	28409	0
15	Jamui	30203	30203	0
16	Kaimur	14194	14194	0
17	Kishanganj	20800	20800	0
18	Lakhisarai	7021	7021	0
19	Munger	7802	7802	0
20	Nalanda	25597	25597	0
21	Nawada	27004	27004	0
22	Patna	25134	25134	0
23	Purnia	25009	25009	0
24	Rohtas	36442	36442	0
25	Saran	38872	38872	0
26	Siwan	33390	33390	0
BPL HH connections provided under Kuthir Jyothi/ BPL Scheme		13273	13273	0
Total (X Plan)		814185	802825	11360
XI Plan				
1	Begusarai	90912	65880	25032
2	Katihar	142350	45461	96889
3	Khagaria	36671	25374	11297
4	Madhepura	75084	71804	3280
5	Saharsa	72996	69442	3554
6	Samastipur	73332	63879	9453
7	Sheikhpura	30538	23557	6981
8	Supaul	80681	79146	1535
9	Darbhanga	135621	132653	2968
10	East Champaran	191639	141238	50401
11	Madhubani	141985	141985	0
12	Sheohar	27116	25230	1886
13	Sitamarhi	152735	151522	1213

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14	West Champaran	177751	177751	0
15	Jahanabad and Arwal (2districts)	23953	23953	0
16	Muzzafarpur	257553	257553	0
17	Vaishali	117608	108995	8613
BPL HH connections provided under Kuthir Jyothi/ BPL Scheme		11829	11829	0
Total (XI Plan)		1840354	1617252	223102
XI Plan (Phase-II)				
1	Araria	267352	Phase-II projects were sanctioned during February/May 2012. All the projects are at various stages of award, hence no progress has been reported from these projects.	267352
2	Banka	160300		160300
3	Bhojpur	236433		236433
4	Gaya	275296		275296
5	Nawada	161658		161658
6	Purnea	365941		365941
7	Rohtas	247396		247396
8	Siwan	279374		279374
9	Kishanganj	221900		221900
10	Nalanda	304109		304109
11	Patna	378569		378569
Total (XI Plan (Phase-II))		2898328	0	2898328
Grand Total		5552867	2420077	3132790

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3177
ANSWERED ON 29.08.2013

SETTING UP OF POWER PROJECTS

†3177. SHRI FRANCISCO SARDINHA:
SHRI MADHU GOUD YASKHI:
SHRI PRADEEP MAJHI:
SHRI KISHNBHAI V. PATEL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the various power projects including the Thermal Power Projects proposed to be set up in the country during the 12th Five Year Plan period along with their capacity, locationwise;
- (b) the details of their estimated cost, funds allocated, released and utilised so far along with the likely date of commissioning of these projects, project-wise;
- (c) the estimated demand of power in the country by the end of this year; and
- (d) the extent to which this demand is likely to be met through power generated from these new power projects?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : The details of hydro power projects targeted for commissioning during the 12th Five Year Plan period along with their capacity, location, their estimated cost, expenditure, commissioning schedule, project-wise are given at Annex-I. The details of commissioned and under construction thermal power projects targeted during the 12th Five Year Plan period along with their capacity, location, their estimated cost, expenditure, commissioning schedule, project-wise are given at Annex-II A and Annex-II B, respectively. The details of under construction nuclear power projects for likely benefits during the 12th Five Year Plan period along with their capacity, location, commissioning schedule, project-wise are given at Annex-III.

(c) & (d) : As per the Load Generation Balance Report (LGBR) for 2013-14, the peak demand in the country during the year 2013-14 is likely to be 1,44,225 MW. The peak availability during 2013-14 is estimated to be 1,40,964 MW from existing power projects as well as power projects likely to yield benefits during 2013-14. The peak power shortage is likely to be 2.3% (3,261 MW) during 2013-14.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3177 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Hydro Electric Projects for benefits during 12th Plan- State wise
(Excluding projects under Ministry of New & Renewable Energy)

Sl. No.	Name of Scheme	Sector	Capacity (No. x MW)	Commnd. (MW)	Under Execution (MW)	Commng. Year	Estimated Cost Rs Crores	Expenditure Rs Crores	Exp. Up to
Jammu & Kashmir									
1	Chutak	Central	4x11	44.00	0.00	2012-13	913.25	775.32	(01/13)
2	Uri-II	Central	4x60		240.00	2013-14	1794.00	1928.07	(03/13)
3	Nimoo Bazgo	Central	3x15		45.00	2013-14	936.10	840.91	(03/13)
4	Kishanganga	Central	3x110		330.00	2016-17	3642.04	2184.17	(03/13)
5	Baglihar- II	State	3x150		450.00	2016-17	2113.09	191.72	(03/12)
Himachal Pradesh									
6	Chamera-III	Central	3x77	231.00	0.00	2012-13	2084.01	1842.24	(06/12)
7	Parbati St. II	Central	4x200		800.00	2016-17	5524.00	3854.20	(03/13)
8	Parabati-III	Central	4x130		520.00	2013-15	2716.00	2077.96	(03/13)
9	Kol Dam	Central	4x200		800.00	2014-15	6358.91	4842.00	(02/13)
10	Rampur	Central	6x68.67		412.00	2013-15	2047.03	2235.78	(03/13)
11	UHI-III	State	3x33.33		100.00	2014-15	940.84	888.08	(03/13)
12	Swara Kuddu	State	3x37		111.00	2014-15	1181.90	813.55	(03/13)
13	Kashang -I	State	1x65		65.00	2014-15	478.02	608.74	(03/13)
14	Kashang -II & III	State	2x65		130.00	2015-16	601.78		(03/13)
15	Sainj	State	2x50		100.00	2014-15	725.24	448.94	(03/13)
16	Budhil	Private	2x35	70.00	0.00	2012-13	418.80	364.00	(03/13)
17	Sorang	Private	2x50		100.00	2013-14	586.00	213.05	(03/10)
18	Tidong-I	Private	2x50		100.00	2015-16	543.15	250.89	(03/13)
19	Tangu Romai	Private	2x22		44.00	2015-16	255.00	179.00	(03/13)
Uttarakhand									
20	Tapovan Vishnugad	Central	4x130		520.00	2015-16	2978.48	1730.00	(02/13)
21	Shrinagar	Private	4x82.5		330.00	2014-15	2069.00	3328.01	(03/12)
22	Phata Byung	Private	2x38		76.00	2014-15	520.00	486.96	(03/13)
23	Singoli Bhatwari	Private	3x33		99.00	2015-16	666.47	485.78	(03/13)
Madhya Pradesh									
24	Maheshwar	Private	10x40		400.00	2014-15	3938.66	2917.70	(03/12)
Andhra Pradesh									
25	Nagarujana Sagar TR	State	2x25		50.00	2014-15	794.47	534.62	(03/13)
26	Pulichintala	State	4x30		120.00	2015-17	396.00	217.91	(03/13)
27	Lower Jurala	State	6x40		240.00	2013-16	908.34	1112.03	(03/13)
Kerala									
28	Pallivasal	State	2x30		60.00	2014-15	268.02	161.76	(03/13)
29	Thottiyar	State	1x30+1x10		40.00	2015-16	145.77	16.24	(03/13)
Tamil Nadu									
30	Bhawani Barrage II	State	2x15		30.00	2013-14	497.46	477.06	(03/12)
31	Bhawani Barrage III	State	2x15	15.00	15.00	2012-14	490.80	379.87	(03/12)
West Bengal									
32	Teesta Low Dam-III	Central	4x33	132.00	0.00	2012-14	1628.00	1686.98	(03/13)
33	Teesta Low Dam-IV	Central	4x40		160.00	2014-15	1502.00	1314.17	(03/13)
Sikkim									
34	Chujachen	Private	2x49.5	99.00	0.00	2013-14	1044.50	966.20	(03/12)
35	Teesta St. III	Private	6x200		1200.00	2014-15	5705.55	5475.43	(03/13)
36	Teesta St. VI	Private	4x125		500.00	2015-16	3283.08	2086.25	(03/13)
37	Rangit-IV	Private	3x40		120.00	2016-17	726.16	554.21	(03/13)
38	Jorethang Loop	Private	2x48		96.00	2014-15	403.00		
39	Bhasmey	Private	2x25.5		51.00	2015-16	408.50	160.90	(03/12)
Meghalaya									
40	Myntdu Unit-3	State	2x42 + 1x42	42.00	0.00	2012-13	1173.13	968.00	(03/13)
41	New Umtru	State	2x20		40.00	2014-15	226.40	112.87	(06/11)
Mizoram									
42	Tuirial	Central	2x30		60.00	2016-17	913.63	394.96	(03/13)
Arunachal Pradesh									
43	Subansiri Lower	Central	8x250		1000.00	2016-17	10667.00	6203.46	(03/13)

44	Kameng	Central	4x150		600.00	2016-17	3253.22	2208.60	(03/13)
45	Pare	Central	2x55		110.00	2014-15	573.99	505.69	(03/13)

ANNEX-II A

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3177 ANSWERED IN THE LOK SABHA ON 29.08.2013.

Details of thermal power projects commissioned during the 12th Plan

State	Project Name	Unit No.	Cap. (MW)	Org. Est. Cost (Rs.Crs)	Latest. Est. Cost (Rs.Crs)	Comm-Act	Total Exp. (Rs.Crs)	Exp upto
CENTRAL SECTOR								
Chhattisgarh	Sipat-I	U-3	660	8323.39	8323.39	02.06.12	8050.98	Mar-12 (Three Units)
Haryana	Indira Gandhi TPP	U-3	500	8293.00	8587.97	07.11.12	6120.13	Sep-12 (Three Units)
Jharkhand	Koderma TPP	U-2	500	4313.00	5583.08	15.02.13	5634.09	Dec-12 (Two Units)
Maharashtra	Mouda TPP	U-1	500	5459.28	6010.89	19.04.12	4557.00	Nov-12
		U-2	500			29.03.13		
MP	Vindhyachal TPP-IV	U-11	500	5915.00	5915.00	14.06.12	4147.00	Dec-12
		U-12	500			22.03.13		
TN	Vallur TPP Ph I	U-2	500	5423.55	5552.78	28.02.13	5995.86	Dec-12 (Two Units)
Tripura	Tripura Gas	Module-1	363.3	3429.00	3429.00	03.01.13	2977.00	Mar-13 (Two Modules)
UP	Rihand STPS- III	U-5	500	6230.81	6230.81	25.05.12	4354.00	May-13 (Two Units)
STATE SECTOR								
Chhattisgarh	Korba West St-III.	U-5	500	2309.34	3156.00	22.03.13	2690.99	Jan-13
Delhi	Pragati CCGT - III	GT-3	250	5195.81	5195.81	27.06.12	2996.10	Jun-13
		GT-4	250			07.05.13		(4GTs+2STs)
Gujarat	Pipavav CCGP	Block-2	351	2354.29	3029.00	27.03.13	2383.32	Jul-13 (Two Modules)
Gujarat	Ukai TPP Extn.	U-6	500	1950.00	2135.00	05.03.13	2455.43	Jul-12
MP	Satpura TPS Extn	U-10	250	2350.00	3032.34	22.03.13	2574.17	Jun-13 (Two Units)
Rajasthan	Ramgarh CCGP Extn. - III	GT	110	640.00	640.00	20.03.13	551.95	Jun-13 (GT+ST)
TN	Mettur TPP Ext	U-1	600	3550.04	3550.04	11.10.12	2441.00	Jul-12
TN	North Chennai Extn, U-2	U-2	600	2718.75	2718.75	09.03.13	1820.24	Jan-13
UP	Harduaganj Ext	U-9	250	1900.00	2605.00	25.05.12	2524.81	Mar-12 (Two Units)
UP	Parichha Extn	U-5	250	1703.00	1703.00	24.05.12	1144.05	
		U-6	250			11.03.13		(Two Units)
PRIVATE SECTOR								
AP	Simhapuri Energy Pvt.Ltd Ph-I	U-2	150	1485.00	1485.00	02.07.12	1405.38	May-12 (Two Units)
AP	Thamminapatnam TPP-I	U-1	150	1420.00	1428.00	09.09.12	1452.62	Jun-13
		U-2	150			17.04.13		(Two Units)
Chhattisgarh	Akaltara (Naiyara) TPP	U-3	600	16190.00	16190.00	13.08.13	11036.14	Apr-13 (Six Units)
Chhattisgarh	Kasaipalli TPP	U-2	135	1267.00	1267.00	21.06.12	1245.00	Jun-12 (Two Units)
Chhattisgarh	Ratija TPP	U-1	50	220.00	220.00	04.02.13	344.00	Feb-13
Gujarat	Mundra UMTTP	U-2	800	NA	NA	25.07.12	13124.00	Mar-11 (Five Units)
Gujarat	Salaya TPP	U-2	600	4820.00	5000.00	13.06.12	5050.45	Jun-12 (Two Units)
Haryana	Jajjar TPP (Mahatama Gandhi TPP)	U-2	660	6000.00	6000.00	11.04.12	5215.87	Mar-12 (Two Units)
Jharkhand	MahadevPrasas STPP Ph-I	U-1	270	3151.00	3151.00	19.11.12	2900.00	Dec-12
		U-2	270			29.03.13		(Two Units)

<i>Maharashtra</i>	Amravati TPP Ph-I	U-1	270	6888.00	6888.00	25.03.13	5838.81	Jun-13 (Five Units)
<i>Maharashtra</i>	Bela TPP-I	U-1	270	1477.00	1477.00	20.03.13	1648.29	Jan-13
<i>Maharashtra</i>	Butibori TPP Ph-II	U-1	300	1600.00	1600.00	17.08.12	1127.00	Dec-12
<i>Maharashtra</i>	EMCO Warora TPP	U-1	300	3480.00	4000.00	07.02.13	3808.00	Jun-13 (Two Units)
<i>Maharashtra</i>	GEPL TPP	U-1	60	656.49	656.49	08.09.12	587.16	May-11
		U-2	60			28.04.12		(Two Units)
<i>Maharashtra</i>	Tirora TPP Ph-I	U-1	660	6560.00	7309.00	11.09.12	6989.00	Dec-12
		U-2	660			25.03.13		(Two Units)
<i>Maharashtra</i>	Tirora TPP Ph-II	U-1	660	8993.00	9635.00	10.06.13	7367.64	Jun-13 (Three Units)
<i>MP</i>	Bina TPP	U-1	250	2750.00	3240.00	12.08.12	2952.00	Jun-12
		U-2	250			31.03.13		(Two Units)
<i>MP</i>	Sasan UMPP	U-3	660	NA	NA	30.05.13	3471.00	Mar-11 (Six Units)
<i>Orissa</i>	Kamalanga TPP	U-1	350	4540.00	6307.00	28.03.13	6189.79	Jun-13 (Three Units)
<i>Orissa</i>	Sterlite TPP	U-4	600	7669.00	7669.00	25.04.12	4997.79	Aug-09 (Four Units)
<i>Rajasthan</i>	Jallipa-Kapurdi TPP	U-5	135	5075.00	6865.21	05.02.13	6394.38	Mar-12
		U-6	135			03.03.13		(Eight Units)

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3177 ANSWERED IN THE LOK SABHA ON 29.08.2013.

DETAILS OF UNDER CONSTRUCTION THERMAL POWER PROJECTS FOR LIKELY BENEFITS DURING 12th PLAN									
State	Project Name	Sec.	Unit No	Cap. (MW)	Orig Est. cost (Cr.)	Latest Est. cost (Cr.)	Likely Commissioning schedule	Total Exp. Incurred (Cr.)	Exp. Upto
AP									
	Rayalaseema St-IV TPS	S	U-6	600	3028.86	3525.00	Dec-15	1041.96	Jun-13
	Sri Damodaram Sanjeevaiah (Krishnapatnam) TPP	S	U-1	800	8432.00	8654.00	Feb-14	7966.65	Jun-13
		S	U-2	800			Oct-14		
	Thamminapatnam TPP Ph-II	P	U-3	350	3120.00	3700.00	Mar-15	1246.14	Jun-13
		P	U-4	350			Jun-15		
	Bhavanapadu TPP Ph-I	P	U-1	660	6572.00	6572.00	Oct-15	1607.00	Mar-13
		P	U-2	660			Mar-16		
	Vizag TPP	P	U-1	525	5545.00	5545.00	Feb-14	4104.25	Jun-13
		P	U-2	525			Jun-14		
	Painampuram TPP	P	U-1	660	6869.00	6869.00	Sep-14	5876.00	Jun-13
		P	U-2	660			Dec-14		
	Nagarjuna TPP	P	U-1	660			Apr-16	1959.98	Jun-13
		P	U-2	660			Aug-16		
Assam									
	Bongaigaon TPP	C	U-1	250	4375.35	4375.35	Jul-14	3886.00	May-13
		C	U-2	250			May-15		
		C	U-3	250			Oct-15		
	Namrup CCGT	S	GT	70	693.73	693.73	Mar-14	297.40	Jun-13
		S	ST	30			Jun-14		
Bihar									
	Barh STPP- I	C	U-1	660	8693.00	8692.97	Jun-15	7050.74	May-13
		C	U-2	660			Apr-16		
		C	U-3	660			Feb-17		
	Barh STPP- II	C	U-1	660	7341.04	7341.04	Oct-13	5997.04	May-13
		C	U-2	660			Sep-14		
	Nabi nagar TPP(JV of NTPC & RLY)	C	U-1	250	5352.51	5352.51	Jul-14	2621.00	Jun-13
		C	U-2	250			Jan-15		
		C	U-3	250			Jul-15		
		C	U-4	250			Jan-16		
	Muzaffarpur Exp. (JV with BSEB)	C	U-3	195	3154.33	3154.33	Mar-14	1010.35	Mar-13
		C	U-4	195			Sep-14		
Chhattisgarh									
	Marwa TPP	S	U-1	500	4735.00	6318.00	Dec-13	4852.80	Jun-13
		S	U-2	500			Mar-14		
	Avantha Bhandar	P	U-1	600	2872.00	2872.00	Oct-13	3168.00	Jun-13
	Blaco TPS	P	U-1	300	4650.00	4650.00	Mar-14	3494.30	May-13
		P	U-2	300			Feb-14		
	Lanco Amarkantak	P	U-3	660	6886.00	7700.00	Oct-14	5810.05	Mar-13
		P	U-4	660			Mar-15		
	Akaltara TPP Ph-I	P	U-1	600	16190.00	16190.00	Dec-13	11036.14	Apr-13
		P	U-2	600			Jun-14		(Six Units)
	Raigarh (Tamnar) TPP	P	U-1	600	12800.00	12800.00	Oct-13	5200.00	Mar-13
		P	U-2	600			Mar-14		(Four units)
	Singhitarai TPP	P	U-1	600			Mar-15	2706.15	Jun-13 (Two Units)
	Baradarha TPP (DB Power)	P	U-1	600	6533.00	6533.00	Oct-13	4747.00	Dec-12
		P	U-2	600			Mar-14		
	Binjot TPP (SKS)	P	U-1	300	5058.00	6848.10	Nov-14	2321.02	Jun-13
		P	U-2	300			Feb-15		(Four units)

		P	U-3	300			Sep-15		
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	Uchpinda TPP (RKM) (Ph-I&II)	P	U-1	360	6653.61	6653.61	Jun-14	6146.29	Jun-13
		P	U-2	360			Nov-14		(Four units)
		P	U-3	360			Jan-15		
	Vandana TPP	P	U-1	135	1458.44	1458.44	Sep-13	1492.00	Jul-12
		P	U-2	135			Dec-13		
	Bandakhar TPP	P	U-1	300	1456.00	1456.00	May-14	902.87	Apr-13
	TRN TPP	P	U-1	300	2844.00	2844.00	Aug-14	621.00	Mar-13
		P	U-2	300			Dec-14		
	Swastik TPP	P	U-1	25	136.00	142.00	Dec-13	160.21	Apr-13
Delhi									
	Pragati CCGT - III	S	Block-II ST-2	250	5195.81	5195.81	Sep-13	2996.01	Jun-13 (Two Blocks of 750 MW each)
Gujarat									
	Sikka TPS Extn.	S	U-3	250	2004.00	2356.00	Apr-14	2235.59	May-13
	Pipavav CCGP	S	Block-I	351	2354.29	3029.00	Dec-13	2383.32	Jul-13 (Two Blocks)
Jharkhand									
	Bokaro TPS "A" Exp.	C	U-1	500	2313.00	3552.18	Oct-14	1795.75	Mar-13
	Matasiri Usha TPP (Corporate), Ph-I	P	U-1	270	2900.00	3200.00	Sep-14	3120.00	Nov-12
		P	U-2	270			Dec-14		
Maharashtra									
	Chandrapur TPP	S	U-8	500	5500.00	5500.00	Feb-14	3251.96	May-13 (Two Units)
	Parli TPS	S	U-8	250	1375.00	1696.24	Feb-14	1327.81	Apr-13
	Koradi TPS Extn.	S	U-8	660	11880.00	11880.00	Mar-14	7164.72	May-13 (Three Units)
	Amravati TPP, St-I	P	U-2	270	6888.00	6888.00	Nov-13	5838.81	Jun-13
		P	U-3	270			Feb-14		(Five Units)
		P	U-4	270			May-14		
		P	U-5	270			Aug-14		
	Nasik TPP, Ph-I	P	U-1	270	6789.00	6789.00	Oct-13	4554.55	Jun-13
		P	U-2	270			Dec-13		
		P	U-3	270			Nov-14		
		P	U-4	270			Jan-15		
		P	U-5	270			Mar-15		
	Dhariwal Infra TPP	P	U-1	300	2850.00	3479.00	Sep-13	3128.00	Jul-13
		P	U-2	300			Jan-14		
	Emco Warora TPP	P	U-2	300	3480.00	4000.00	Aug-13	3808.00	Jun-13 (Two Units)
	Lanco Vidharbha TPP	P	U-1	660	6936.00	6936.00	Dec-15	3611.00	Jul-13
		P	U-2	660			Aug-16		
MP									
	Srisingaji (Malwa) TPP	S	U-1	600	4053.00	6750.00	Sep-13	5358.65	Jun-13
		S	U-2	600			Mar-14		
	Satpura TPS Extn	S	U-11	250	2350.00	3032.34	Oct-13	2574.17	Jun-13 (Two Units)
	Sasan UMPP	P	U-2	660			Oct-13	3471.00	Mar-11 (Six Units)
	Anuppur TPP, Ph-I	P	U-1	600	6240.00	6240.00	Nov-14	2779.00	Jul-12
			U-2	600			Mar-15		
	Gorgi TPP	P	U-1	660	3941.00	3941.00	Jun-16	335.18	Jan-13
	Seioni TPP	P	U-1	600	3550.00	3550.00	Mar-14	2448.00	May-13
Orissa									
	Derang TPP	P	U-1	600	5961.00	5961.00	Jan-14	4547.35	Jun-13
	Kamalanga TPP	P	U-2	350	4540.00	6307.00	Sep-13	6189.79	Jun-13
		P	U-3	350			Dec-13		(Three Units)

	Ind barath TPP	P	U-1	350	3185.00	3185.00	Nov-13	3000.00	Apr-13
		P	U-2	350			Mar-14		
	Lanco Babandh	P	U-1	660	6930.00	6930.00	Mar-16	4214.00	Mar-13 (Two Units)
	KVK Nilachal	P	U-1	350	4990.00	4990.00	Dec-14	1272.53	Jul-13 (Three Units)
Punjab									
	Goindwal Sahib	P	U-1	270	2622.48	2963.81	Sep-13	2883.11	Jun-13
		P	U-2	270			Feb-14		
	Rajpura TPP (Nabha)	P	U-1	700	9600.00	9600.00	Jan-14	6355.00	Jun-13
		P	U-2	700			Apr-14		
	Talwandi Saboo	P	U-1	660	10250.00	10250.00	Dec-13	8873.78	Jun-13
		P	U-2	660			Apr-14		
		P	U-3	660			Jul-14		
Rajasthan									
	Chhabra Ext TPS	S	U-3	250	2200.00	2990.00	Sep-13	2557.34	Jun-13
		S	U-4	250			Mar-14		
	Ramgarh CCPP St.-III	S	ST	50	640.00	640.00	Dec-13	551.95	Jun-13 (GT+ST)
	Kalisindh TPP	S	U-1	600	4600.00	7723.00	Sep-13	7085.29	Jun-13
TN									
	Neyveli TPS-II Exp.	C	U-2	250	2030.78	3027.59	Mar-14	2324.85	Apr-13
	Tuticorin TPP	C	U-1	500	4909.54	6478.92	Feb-14	4409.31	Jun-13
		C	U-2	500			Apr-14		
	Vallur TPP Ph-II	C	U-3	500	3086.78	3086.78	Feb-14	1478.16	Jun-13
	North Chennai Extn TPS	S	U-1	600	3398.00	3552.00	Sep-13	2046.05	Jun-13
	Ind Barath (Tuticorin) TPP	P	U-1	660	3595.00	3595.00	Mar-16	530.00	Apr-13
Tripura									
	Tripura CCPP	C	BIK-II	363.3	3429.00	3429.00	Oct-13	2977.00	Mar-13
	Monarchak CCPP	C	GT+ST	101			May-14	572.96	Jun-13
UP									
	Rihand STPP St-III	C	U-6	500	6230.81	6230.81	Nov-13	4354.00	May-13 (Two Units)
	Anpara D TPP	S	U-1	500	5358.79	5358.79	Apr-14	4425.51	Mar-13
		S	U-2	500			Jul-14		
	Pryagraj (Bara) TPP	P	U-1	660	11622.27	11622.27	Jul-14	6753.85	Jun-13
		P	U-2	660			Dec-14		
		P	U-3	660			Mar-15		
WB									
	Raghunathpur TPP, Ph-I	C	U-1	600	4122.00	6744.99	Mar-14	5799.59	Mar-13
		C	U-2	600			Jul-14		
	Haldia TPP	P	U-1	300	3097.50	3097.50	Aug-14	1036.91	Mar-13
		P	U-2	300			Nov-14		
	C: Central Sector; S: State Sector; P: Private Sector								

ANNEX-III

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3177 ANSWERED IN THE LOK SABHA ON 29.08.2013.

List of Under Construction Nuclear Power Projects* for likely benefits during 12th Five Year Plan

Sl. No.	Project Name	State	Sector	Capacity (MW)	Expected Commissioning year
1	KAPP U-3,4	Gujarat	Central	1400	2015-16
2	RAPP U 7 & 8	Rajasthan	Central	1400	2016-17
3	Kudankulam U 1	TN	Central	1000	2013-14
4	Kudankulam U 2	TN	Central	1000	2014-15
5	PFBR (Kalpakkam)	TN	Central	500	2014-15
	Total Nuclear			5300	

* Nuclear power projects are under the purview of Department of Atomic Energy

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.3214
ANSWERED ON 29.08.2013

NTPC PROJECT IN ODISHA

3214. SHRI NITYANANDA PRADHAN:

Will the Minister of POWER be pleased to refer the reply given to USQ No. 1777, dated 7 March, 2013 on Mega Power Project of NTPC at Darlipali, Odisha and to state the progress made in commissioning of the project?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

The progress of land acquisition, environment and forest clearance of Mega Project of NTPC at Darlipali is as follows:

- Out of 1274 acres of private land, physical possession has been received of 1205 acres.
- Out of 338.97 acres of Government land, payment for 275 acres has been released by NTPC to State Government and transfer of Government land is under process of approval of State Government.
- Environment clearance for the project has been recommended by Expert Appraisal Committee (EAC) of Ministry of Environment & Forests (MoEF) on 09.01.2012 subject to according of forest clearance for Darlipali Project and environment and forest clearance for linked Dulanga coal mine.
- MoEF has agreed for Stage-I forest clearance for diversion of 34.47 acres forest land with certain conditions on 14.08.2013.

Regarding Darlipali's linked Dulanga coal mine, land rates for land compensation are under finalization by State Government. Stage-I forest proposal of Dulanga was discussed in the Forest Advisory Committee (FAC) of MoEF held on 10.06.2013. Minutes of Meeting (MoM) was issued on 03.07.2013, wherein FAC asked State Government of Odisha and Regional Office, Bhubaneswar to review and provide justification for the need of 49.41 Hectare of forest area outside the mine boundary. NTPC is pursuing with Regional Office (Eastern Region), MoEF Bhubaneswar and Odisha State Forest Department for providing necessary clarifications to MoEF.

The investment approval of the project will be accorded after obtaining environment clearance for project and linked Dulanga mine. The schedule for project commissioning is 52 months from the date of investment approval.
