GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**STARRED QUESTION NO.03**
TO BE ANSWERED ON 05.12.2013

**CAPACITY OF POWER GENERATION**

†*3. SHRI ARJUN RAY:
SHRI ANANTKUMAR HEGDE:

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

(a) the installed capacity of power generation in the Central/State/private sectors and the percentage of power being generated under different sources in the country, separately during the year 2013-14, State/UT-wise;

(b) the targets set and achieved for power generation from different sources during the years 2012-13 and 2013-14 including the details of power generation from coal and gas during the first half of 2013-14 as compared to the previous year along with the reasons for decline in the quantity of power generation, if any;

(c) the power generation capacity added in the country in various sectors during the last year and the future plans chalked out by the Government to augment the power generation capacity as well as to meet the growing demand of power in the country particularly in Southern States;

(d) the steps being taken by the Government to improve the power infrastructure in the country including Jharkhand and the power projects likely to be made operational in the country during 2013-14; and

(e) the details of the proposals for setting up of power projects pending with the Government from various States and the time by which those are likely to be cleared?

**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.

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STATEMENT

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 03 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013 REGARDING CAPACITY OF POWER GENERATION.**

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**(a)** : The installed capacity of power generation in Central, State and Private Sectors for the year 2013-14, as on 31st October, 2013 is given below:

| Sector | Installed Power Generating Capacity (in MW) |
|---|---|
| State | 90,062 |
| Private | 72,927 |
| Central | 66,263 |
| **Total** | 2,29,252 |

During 2013-14 (April-October, 2013) the total power generated from various conventional sources was 561.593 BU. The State/UT-wise and source-wise percentage of power generation details is given at **Annex-I.**

**(b)** : The target set and achieved for power generation from different sources during the year 2012-13 and for the year 2013-14 upto October, 2013 from various conventional energy sources, namely thermal, hydro, nuclear and import of hydro power from Bhutan are given below:

| Source | in Billion Unit | | | |
|---|---|---|---|---|
| | 2012-13 | | 2013-14 (upto October, 2013) | |
| | Target | Achievement | Target | Achievement |
| Thermal | 7,67.275 | 760.676 | 456.434 | 443.648 |
| Hydro | 1,22.045 | 113.720 | 84.527 | 93.851 |
| Nuclear | 35.200 | 32.866 | 19.727 | 19.107 |
| Bhutan Import | 5.480 | 4.795 | 3.863 | 4.987 |
| **Total** | **930.000** | **912.057** | **564.551** | **561.593** |

The Details of power generation from coal and gas during the first half of 2013-14 (April-September, 2013) as compared to the previous year 2012-13 for the same period, April-September, 2012 is given below:

| Source | Total Generation (in BU) | |
|---|---|---|
| | 2012-13 (April to September, 2012) | 2013-14 (April to September, 2013) |
| **Coal** | 310.83 | 339.79 |
| **Gas** | 37.83 | 22.82 |

There is no decline in power generation from coal based plants. The reason for decline in generation from gas based plants is due to less supply of gas from KG D-6 basin.

**(c) :** The power generation capacity added in the country in various sectors during the year 2012-13 is given below:

(In MW)

| Sector | Thermal | Hydro | Total |
|---|---|---|---|
| Central | 5,023.3 | 374 | 5,397.3 |
| State | 3,911.0 | 57 | 3,968.0 |
| Private | 11,187.5 | 70 | 11,257.5 |
| Total | 20,121.8 | 501 | 20,622.8 |

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Planning Commission has fixed a capacity addition target of 88,537 MW for the 12th Plan period to meet the growing demand of power in the country. The details are given below :

| SECTOR | HYDRO | THERMAL | | | | NUCLEAR | TOTAL |
|---|---|---|---|---|---|---|---|
| | | COAL | LIGNITE | GAS | TOTAL | | |
| CENTRAL | 6,004 | 13,800 | 250 | 827.6 | 14,878 | 5,300 | 26,182 |
| STATE | 1,608 | 12,210 | 0 | 1,712.0 | 13,922 | 0 | 15,530 |
| PRIVATE | 3,285 | 43,270 | 270 | 0.0 | 43,540 | 0 | 46,825 |
| ALL-INDIA | 10,897 | 69,280 | 520 | 2,539.6 | 72,340 | 5,300 | 88,537 |

Out of the above target of 88,537 MW fixed for the 12th Plan period, 16,140 MW has been targeted for capacity addition in the Southern States.

**(d) :** The steps taken by Government to improve the power infrastructure in the country including Jharkhand are given below :

(i) Development of Ultra Mega Power Projects of 4,000 MW each to reap benefits of economies of scale.

(ii) Development of high fuel efficient supercritical coal based power plants.

(iii) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.

(iv) Renovation, modernization and life extension of old and inefficient generation units.

(v) Strengthening and expansion of inter-state and inter-regional transmission capacity.

(vi) Strengthening of sub-transmission and distribution capacity.

(vii) Promoting energy conservation, energy efficiency and demand side management measures.

(viii) 2,080 MW has been targeted for capacity addition in Jharkhand during 12th Plan.

The power projects to be commissioned in the country during the year 2013-14 are given at **Annex-II.**

**(e) :** Details are given at Annex-III.

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ANNEX REFERRED TO IN PART (a) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 03 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013 REGARDING CAPACITY OF POWER GENERATION

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**State wise percentage of Actual Generation under different sources during 2013-14 (Upto October, 2013)**

| REGION / STATE | THERMAL | | | | | | | | | | HYDRO | | NUCLEAR | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COAL | | LIGNITE | | NATURAL GAS | | NAPTHA | | DIESEL | | | | | |
| | Gen (MU) | % of Total COAL Gen | Gen (MU) | % of Total LIGNITE Gen | Gen (MU) | % of Total NATURAL GAS Gen | Gen (MU) | % of Total NAPTHA Gen | Gen (MU) | % of Total DIESEL Gen | Gen (MU) | % of Total HYDRO Gen | Gen (MU) | % of Total NU-CLEAR Gen |
| **NOTHERN** | | | | | | | | | | | | | | |
| BBMB | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 8,332.0 | 8.4 | | 0.0 |
| DELHI | 2,956.2 | 0.7 | | 0.0 | 2,698.7 | 10.5 | | 0.0 | | 0.0 | | 0.0 | | 0.0 |
| HARYANA | 14,759.5 | 3.7 | | 0.0 | 1,066.4 | 4.2 | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 |
| HIMACHAL PRADESH | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 18,280.9 | 18.5 | | 0.0 |
| JAMMU AND KASHMIR | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 9,306.0 | 9.4 | | 0.0 |
| PUNJAB | 10,078.3 | 2.5 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 2,548.7 | 2.6 | | 0.0 |
| RAJASTHAN | 12,752.0 | 3.2 | 4,086.7 | 21.7 | 2,027.2 | 7.9 | | 0.0 | | 0.0 | 468.6 | 0.5 | 5,149.4 | 27.0 |
| UTTAR PRADESH | 59,148.3 | 14.9 | | 0.0 | 3,170.4 | 12.4 | | 0.0 | | 0.0 | 783.0 | 0.8 | 1,487.2 | 7.8 |
| UTTARAKHAND | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 8,212.6 | 8.3 | | 0.0 |
| **NORTHERN Total** | **99,694.3** | **25.1** | **4,086.7** | **21.7** | **8,962.7** | **34.9** | **0.0** | **0.0** | **0.0** | **0.0** | **47,931.9** | **48.5** | **6,636.6** | **34.7** |
| **WESTERN** | | | | | | | | | | | | | | |
| CHHATTISGARH | 38,072.2 | 9.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 219.4 | 0.2 | | 0.0 |
| GOA | | 0.0 | | 0.0 | | 0.0 | 149.7 | 28.6 | | 0.0 | | 0.0 | | 0.0 |
| GUJARAT | 41,952.0 | 10.6 | 2,978.1 | 15.8 | 3,834.9 | 14.9 | | 0.0 | | 0.0 | 5,151.9 | 5.2 | 2,172.4 | 11.4 |
| MADHYA PRADESH | 26,415.4 | 6.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 5,901.0 | 6.0 | | 0.0 |
| MAHARASHTRA | 39,756.4 | 10.0 | | 0.0 | 4,296.0 | 16.7 | | 0.0 | | 0.0 | 3,372.3 | 3.4 | 5,275.8 | 27.6 |
| **WESTERN Total** | **1,46,196.1** | **36.8** | **2,978.1** | **15.8** | **8,130.8** | **31.7** | **149.7** | **28.6** | **0.0** | **0.0** | **14,644.5** | **14.8** | **7,448.2** | **39.0** |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SOUTHERN** | | | | | | | | | | | | | | |
| ANDHRA PRADESH | 40,444.0 | 10.2 | | 0.0 | 3,074.3 | 12.0 | | 0.0 | 0.0 | 0.0 | 5,000.0 | 5.1 | | 0.0 |
| KARNATAKA | 16,073.8 | 4.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | 24.4 | 2.5 | 6,548.2 | 6.6 | 4,036.0 | 21.1 |
| KERALA | | 0.0 | | 0.0 | | 0.0 | 372.7 | 71.2 | 153.4 | 15.7 | 4,794.0 | 4.9 | | 0.0 |
| PUDUCHERRY | | 0.0 | | 0.0 | 153.5 | 0.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 |
| TAMIL NADU | 15,323.9 | 3.9 | 11,776.0 | 62.5 | 2,525.5 | 9.8 | 0.7 | 0.1 | 694.0 | 71.3 | 3,125.7 | 3.2 | 986.3 | 5.2 |
| **SOUTHERN Total** | **71,841.7** | **18.1** | **11,776.0** | **62.5** | **5,753.2** | **22.4** | **373.4** | **71.4** | **871.8** | **89.5** | **19,467.9** | **19.7** | **5,022.3** | **26.3** |
| **EASTERN** | | | | | | | | | | | | | | |
| ANDAMAN NICOBAR | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 102.2 | 10.5 | 0.0 | 0.0 | | 0.0 |
| BIHAR | 8,003.5 | 2.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 |
| DVC | 16,715.2 | 4.2 | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | 168.5 | 0.2 | | 0.0 |
| JHARKHAND | 7,959.5 | 2.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 74.0 | 0.1 | | 0.0 |
| ORISSA | 20,870.8 | 5.2 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 5,110.6 | 5.2 | | 0.0 |
| SIKKIM | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.0 | 0.0 | 2,517.9 | 2.5 | | 0.0 |
| WEST BENGAL | 26,363.0 | 6.6 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 807.4 | 0.8 | | 0.0 |
| **EASTERN Total** | **79,912.0** | **20.1** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **102.2** | **10.5** | **8,678.5** | **8.8** | **0.0** | **0.0** |
| **NORTH EASTERN** | | | | | | | | | | | | | | |
| ARUNACHAL PRADESH | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 790.0 | 0.8 | | 0.0 |
| ASSAM | | 0.0 | | 0.0 | 1,794.9 | 7.0 | | 0.0 | | 0.0 | 914.6 | 0.9 | | 0.0 |
| MANIPUR | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.0 | 0.0 | 422.2 | 0.4 | | 0.0 |
| MEGHALAYA | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 785.6 | 0.8 | | 0.0 |
| MIZORAM | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | | 0.0 |
| NAGALAND | 0.0 | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 215.3 | 0.2 | | 0.0 |
| TRIPURA | | 0.0 | | 0.0 | 1,024.9 | 4.0 | | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 |
| **NORTH EASTERN Total** | **0.0** | **0.0** | **0.0** | **0.0** | **2,819.8** | **11.0** | **0.0** | **0.0** | **0.0** | **0.0** | **3,127.8** | **3.2** | **0.0** | **0.0** |
| Bhutan (IMP) | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 4,986.8 | 5.0 | | 0.0 |
| **Total** | **3,97,644.1** | **100.0** | **18,840.8** | **100.0** | **25,666.6** | **100.0** | **523.1** | **100.0** | **974.0** | **100.0** | **98,837.5** | **100.0** | **19,107.1** | **100.0** |

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ANNEX-II

**ANNEX REFERRED TO IN PART (d) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 03 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013 REGARDING CAPACITY OF POWER GENERATION.**

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| Sl. No | Name of Project | State | Capacity (MW) | Sector | Fuel |
|---|---|---|---|---|---|
| **CENTRAL** | | | | | |
| 1 | Barh II U-4 | Bihar | 660 | Central | Coal |
| 2 | Tuticorin TPP U-1 | TN | 500 | Central | Coal |
| 3 | Vallur (Ennore) TPP U-3 | TN | 500 | Central | Coal |
| 4 | Rihand TPP-III U-6 | UP | 500 | Central | Coal |
| 5 | Raghunathpur TPP U-1 | WB | 600 | Central | Coal |
| 6 | Tripura CCGT-Block2 | Tripura | 363.3 | Central | Gas |
| 7 | Teesta LD -III U-4 | WB | 33 | Central | Hydro |
| 8 | Parbati-III U-1,2,3 | HP | 390 | Central | Hydro |
| 9 | Nimoo Bazgo U-1,2,3 | J&K | 45 | Central | Hydro |
| 10 | Uri-II | J&K | 240 | Central | Hydro |
| 11 | Rampur U-1,2,3 | HP | 206 | Central | Hydro |
| 12 | Kudankulam U 1,2 | TN | 2000 | Central | Nuclear |
| | **Sub-Total (Central)** | | **6,037.3** | | |
| **STATE** | | | | | |
| 13 | Marwa TPP U-1 | Chhattisgarh | 500 | State | Coal |
| 14 | Satpura TPP EXT U-11 | MP | 250 | State | Coal |
| 15 | Shree Singaji TPP U-1 | MP | 600 | State | Coal |
| 16 | Chandrapur TPP Ext. U 8 | Maharashtra | 500 | State | Coal |
| 17 | Kalisindh TPP U1 | Rajasthan | 600 | State | Coal |
| 18 | Chhabra TPP Ext U-3 | Rajasthan | 250 | State | Coal |
| 19 | Chhabra TPP Ext U-4 | Rajasthan | 250 | State | Coal |
| 20 | North Chennai TPP Ext U-1 | TN | 600 | State | Coal |
| 21 | Pragati -III (BAWANA) CCGT GT-4 | Delhi | 250 | State | Gas |
| 22 | Pragati -III (BAWANA) CCGT ST-2 | Delhi | 250 | State | Gas |
| 23 | Pipavav JV CCGT Block-1 | Gujarat | 351 | State | Gas |
| 24 | Ramgarh ST | Rajasthan | 50 | State | Gas |
| 25 | Lower Jurala U-1 | AP | 40 | State | Hydro |
| 26 | Bhawani Kattali Barrage-III U-2 | TN | 15 | State | Hydro |
| 27 | Bhawani Kattali Barrage-II | TN | 30 | State | Hydro |
| | **Sub-Total (State)** | | **4,536** | | |
| **PRIVATE** | | | | | |
| 28 | Vizag TPP,U-1 | AP | 520 | Private | Coal |
| 29 | Thamminapatnam TPP U-2 | AP | 150 | Private | Coal |
| 30 | Tamnar TPP U-1 | Chhattisgarh | 600 | Private | Coal |
| 31 | Swastik Korba TPP U-1 | Chhattisgarh | 25 | Private | Coal |
| 32 | Akaltara (Nariyara) TPP U-1 | Chhattisgarh | 600 | Private | Coal |
| 33 | Vandana Vidyut TPP U-1 | Chhattisgarh | 135 | Private | Coal |
| 34 | D B Power TPP U-1 | Chhattisgarh | 600 | Private | Coal |
| 35 | Sasan UMPP U-3 | MP | 660 | Private | Coal |
| 36 | Sasan UMPP U-2 | MP | 660 | Private | Coal |
| 37 | India Bulls – Nasik TPP Ph-I,U-1 | Maharashtra | 270 | Private | Coal |
| 38 | Dhariwal Infrastructure (P) Ltd TPP U-1 | Maharashtra | 300 | Private | Coal |
| 39 | Dhariwal Infrastructure (P) Ltd TPP U-2 | Maharashtra | 300 | Private | Coal |
| 40 | EMCO Warora TPP U-2 | Maharashtra | 300 | Private | Coal |
| 41 | Tiroda TPP U-3 | Maharashtra | 660 | Private | Coal |
| 42 | Derang TPP U1 | Odisha | 600 | Private | Coal |
| 43 | Kamalanga TPP U2 | Odisha | 350 | Private | Coal |
| 44 | Goindwal Sahib TPP U-1 | Punjab | 270 | Private | Coal |
| 45 | Talwandi Sabo TPP U-1 | Punjab | 660 | Private | Coal |
| 46 | Sorang HEP U-1,2 | HP | 100 | Private | Hydro |
| 47 | Chuzachen HEP U-1,2 | Sikkim | 99 | Private | Hydro |
| | **Sub-Total (State)** | | **7,859** | | |
| | **Total Capacity Addition Targeted for (2013-14)** | | **18,432.3** | | |

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ANNEX-III

ANNEX REFERRED TO IN PART (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 03 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013 REGARDING CAPACITY OF POWER GENERATION.

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Details of Hydro Electric Schemes under Examination for accord of Concurrence by CEA

| Sl. No. | Scheme | State | Sector | Agency | Units x MW | Installed Capacity (MW) |
|---|---|---|---|---|---|---|
| 1 | Seli | Himachal Pradesh | Private | SHPCL | 4x100 | 400 |
| 2 | Dagamara | Bihar | State | BSHPCL | 17x7.65 | 130 |
| 3 | Dikhu | Nagaland | Private | NMESPL | 3x62 | 186 |
| 4 | Kalai–II | Arunachal Pradesh | Private | Kalai PPL | 6x200 | 1200 |
| 5 | Chhatru | Himachal Pradesh | Private | DSC | 3x42 | 126 |
| 6 | Demwe Upper | Arunachal Pradesh | Private | LUPL | 5x206+1x50 | 1080 |
| 7 | Tagurshit | Arunachal Pradesh | Private | LTAHPL | 3x24.67 | 74 |
| 8 | Kiru | Jammu &Kashmir | Joint Venture | CVPP | 4x165 | 660 |
| 9 | New Ganderwal | Jammu &Kashmir | State | JKPDC | 3x31 | 93 |
| 10 | Jelam Tamak | Uttarakhand | Central | THDCIL | 3x36 | 108 |
| 11 | Bowala Nand Paryag | Uttarakhand | State | UJVNL | 4x75 | 300 |
| 12 | Sach Khas | Himachal Pradesh | Private | L&T HHPL | 3x86.67+1x7 | 267 |
| 13 | Nyukcharong Chu | Arunachal Pradesh | Private | SNCPCL | 3x32 | 96 |
| 14 | Kynshi-I | Meghalaya | Private | AKPL | 2x135 | 270 |
| 15 | Luhri | Himachal Pradesh | Central | SJVNL | 3x196 | 588 |
| 16 | Kirthai-I | Jammu &Kashmir | State | JKPDC | 4x95+1x10 | 390 |
| 17 | Lower Kopli | Assam | State | APGCL | 2x55+1x5+2 x 2.5 | 120 |
| 18 | Umngot | Meghalaya | State | MePGCL | 3x80 | 240 |
| 19 | Tato-I | Arunachal Pradesh | Private | SHPPL | 3x62 | 186 |
| 20 | Heo | Arunachal Pradesh | Private | HHPPL | 3x80 | 240 |
| 21 | Subansiri Middle (Kamla) | Arunachal Pradesh | Private | KHEPCL | 8x216+2x36 | 1800 |
| 22 | Magochu | Arunachal Pradesh | Private | SMCPCL | 3x32 | 96 |
| 23 | Chango Yangthang | Himachal Pradesh | Private | MPCL | 3x46.67 | 180 |
| | **Total** | | | | | **8830** |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.20
TO BE ANSWERED ON 05.12.2013

## UTILISATION OF HYDEL POWER

*20. SHRI NISHIKANT DUBEY:
SHRI D.B. CHANDRE GOWDA:

Will the Minister of POWER
be pleased to state:

(a) whether the gap between the demand and supply of power in the country can be bridged by optimum utilisation of the power generation capacity of the hydel power sector and if so, the reaction of the Government thereto;

(b) whether the construction work of hydel power projects in the country is facing a number of bottlenecks, both natural and man-made;

(c) if so, the details thereof and the steps being taken by the Government to remove these bottlenecks;

(d) whether the operational time period of the hydel power projects have been extended for increasing power generation and accordingly their status have been upgraded; and

(e) if so, the details thereof for the last three years, project and State-wise and the other steps being taken by the Government to augment power generation capacity of the hydel power projects?

## 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.

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STATEMENT

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 20 TO BE ANSWERED IN THE LOK SABHA ON** 05.12.2013 **REGARDING UTILISATION OF HYDEL POWER.**

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**(a) :** No, Madam. The gap between demand and supply of power in the country cannot be bridged only by optimum utilization of power generation capacity of the hydel power sector in the country. It has to be met by optimum utilization of power generation capacity from all sources including, inter-alia, hydel, thermal, nuclear, renewable etc.

**(b) & (c) :** Yes, Madam. The hydro power projects do face bottlenecks during implementation. These include, inter-alia, difficult geological conditions (natural), uncertain weather conditions (natural), local area agitations (man-made), etc.

The Government has taken the following steps to remove bottlenecks for implementation of hydel power projects in the country as follows:

(i) Each project is monitored by the Central Electricity Authority (CEA) through frequent site visits, interaction with developers, critical study of monthly progress reports, etc. Chairperson, CEA holds regular review meetings with developers and other stakeholders to resolve the critical issues/bottlenecks.

(ii) A Power Project Monitoring Panel (PPMP) has been set up by the Ministry of Power to independently follow up and monitor the progress of hydro projects.

(iii) Review meetings are taken by Ministry of Power regularly with the concerned officers of CEA, Equipment manufacturers, State Utilities/Central Public Sector Undertakings / Project developers, etc. to resolve the critical issues.

(iv) Proper Project planning is ensured to take care of difficult weather and work conditions including transportation of critical manpower and material in the available working season.

(v) A Task Force on Hydro Power Development was constituted in 2007 under the Chairmanship of Minister of Power to examine & resolve issues relating to Hydro Project Development. Last meeting of the Task Force was held on 10.09.2013.

(vi) An Advisory Group under the Chairmanship of Minister of Power has been set up in January, 2013 to discuss and deliberate various issues pertaining to the development of Power Sector, including hydro development.

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**(d) & (e) :** Yes, Madam.

During last three years and the current year, Life Extension (LE) works in four hydro electric projects with aggregate Installed Capacity of 438 MW have been completed by the respective generation utilities in the country thereby extending their operational life.

In addition to Life Extension works, Renovation, Modernization & Uprating (RM&U) works in 6 hydro electric projects with aggregate Installed Capacity of 2,485 MW have also been completed by the respective generation utilities during the last three years and the current year thereby augmenting power generation capacity.

The project / State-wise details are given at ***Annex.***

As regards other steps, the Government has adopted a multi-pronged strategy for augmenting hydel capacity and hydro power generation in the country. Some of the policy measures and initiatives taken by the Government include, an investor-friendly New Hydro Policy, 2008, liberal National Rehabilitation and Resettlement Policy, Renovation, Modernization and life extension of old hydel generating units, incentives for completion of projects ahead of schedule, etc.

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ANNEX

ANNEX REFERRED TO IN PARTS (d) & (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 20 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013 REGARDING UTILISATION OF HYDEL POWER.

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Project / State-wise details of Life Extension, Renovation, Modernisation & Uprating (RM&U) of Hydro Schemes during last three years

| Sl. No. | Project, Agency | CS / SS | Inst. Cap. (MW) | Estimated Cost (Rs. in Crs.) | Actual Expenditure (Rs. in Crs.) | Benefits (MW) | Category | Completed during the year |
|---|---|---|---|---|---|---|---|---|
| List of Completed Schemes for LE works in HEPs | | | | | | | | |
| Maharashtra | | | | | | | | |
| 1. | Koyna St.III, MSPGCL | SS | 4x80 | 16.65 | 5.79 | 320 (LE) | RM&LE | 2011-12 |
| Meghalaya | | | | | | | | |
| 2. | Umium St.II, MeSEB | SS | 2x9 | 90.46 | 55.67 (as on 31.03.12) | 2(U)+ 18.00 (LE) | RM&LE | 2011-12 |
| Odisha | | | | | | | | |
| 3. | Rengali Unit-1 OHPC | SS | 1x50 | 47.50 | 36.76 (as on 30.06.12) | 50(LE) | RM&LE | 2012-13 |
| 4. | Rengali Unit-2 OHPC | SS | 1x50 | 25.2 (approx) | 20.73 | 50(LE) | R&M | 2013-14 |
| | Sub Total (A) | | 438 | 179.81 | 118.95 | 440 [2 (U)+ 438 (LE] | | |
| List of Completed Schemes for RM&U works in HEPs | | | | | | | | |
| Himachal Pradesh | | | | | | | | |
| 1. | Dehar Ph. A BBMB | CS | 6x165 | 11.00 | 6.936 | - | R&M | 2010-11 |
| Karnataka | | | | | | | | |
| 2 | Lingnamakki, KPCL | SS | 2x27.5 | 3.81 | 2.62 | - | R&M | 2010-11 |
| Manipur | | | | | | | | |
| 3. | Loktak, NHPC | CS | 3x30 derated | 18.55 | 17.88 | 15.00 (Res.) | R&M + Res. | 2011-12 |
| Andhra Pradesh | | | | | | | | |
| 4. | Nagarjuna Sagar, APGENCO | SS | 1x110+ 7x100.8 | 33.35 | 13.90 (as on 31.03.2012) | - | R&M | 2012-13 |
| 5. | Idamalayar, KSEB | SS | 2x37.5 | 14.50 | 13.22 (as on 31.03.13) | - | R&M | 2012-13 |
| 6. | Lower Sileru, APGENCO | SS | 4x115 | 8.75 | 6.77 (as on 30.09.13) | - | R&M | 2013-14 |
| | Sub Total (B) | | 2485.60 | 88.96 | 61.33 | 15 {15 (Res)} | | |
| | Total (A+B) | | 2923.60 | 268.77 | 180.28 | 455 {2(U)+ 438 (LE)+ 15 Res.)} | | |
| | CS = Central Sector | | SS = State Sector | | RM&LE = Renovation, Modernisation and Life Extension | | | |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.2**
TO BE ANSWERED ON 05.12.2013

**TRANSMISSION AND DISTRIBUTION LOSSES**

2. SHRI G.M. SIDDESHWARA:

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

(a) whether as a part of the reforms in the power sector, it is necessary to check the losses being incurred by the power distributors in the States;

(b) if so, the reaction of the Government in this regard;

(c) whether this loss is solely due to the transmission and distribution losses and if so, the details thereof;

(d) whether the Government has estimated the profit that can be earned by the power distributors by bringing this loss at par with the international standards; 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) : Yes, Madam, as a part of the reforms in the power sector, it is necessary to check the losses being incurred by the power distributors in the states.

(b) : To bring about the financial viability of the power distributors, the Government of India has initiated reforms measures to bring down the Transmission & Distribution losses, as well as the Commercial losses. One of the objectives of the reforms is to bring competition among the power sector players, thus loss reduction by achieving improved efficiencies is an inbuilt characteristics.

.....2.

(c) : The losses of distribution companies are not solely due to Transmission & Distribution losses. Apart from transmission and distribution losses, there are commercial losses too. Therefore, the concept of Aggregate Technical and Commercial (AT&C) loss was introduced by the Government of India. The AT&C loss captures technical as well as commercial losses in the network and is a true indicator of total losses in the system. High technical losses in the system are primarily due to inadequate investments over the years for system improvement works, which has resulted in unplanned extensions of the distribution lines, overloading of the system elements like transformers and conductors, and lack of adequate reactive power support. The commercial losses are mainly due to low metering efficiency, collection efficiency, theft & pilferages.

(d) & (e) : There are countries where the loss levels are much lower than in India. For the conditions prevailing in our country, an attainable loss level of 15% is expected as reasonable. As per Power Finance Corporation's report on “Performance of State Power Utilities” for the years 2009-10 to 2011-12, AT&C losses at national level are 27%. Any reduction in losses would contribute to profit of the concerned utility.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.3**
TO BE ANSWERED ON 05.12.2013

## PRICE POOLING OF GAS

3. SHRI DHRUVA NARAYANA:
SHRI PONNAM PRABHAKAR:
SHRI SUGUMAR K.:

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

(a) whether the Ministry has moved a cabinet note seeking approval for pooling of domestic gas with Re-gassified Liquefied Natural Gas (RLNG) within the power sector;

(b) if so, the details thereof along with the agency appointed as Pool Operator for the same;

(c) whether the Government also proposes Rs. 11,000 crore subsidy payout to cover the hiked electricity tariffs on account of the proposed price pooling of gas;

(d) if so, the details thereof; and

(e) the manner in which the subsidy on this account will be released by the Government?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) to (e) : The Ministry of Power has moved a draft Cabinet Note on the subject for inter Ministerial consultation. Since the Cabinet Note is in the stage of consultation, therefore, details are yet to be finalized.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.8**
TO BE ANSWERED ON 05.12.2013

**CLOSURE OF RGPPL**

†8. SHRI HANSRAJ G. AHIR:

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

(a) whether the Ratnagiri Gas and Power Private Limited (RGPPL) power plant in Maharashtra is on the verge of closure due to shortage of gas;

(b) if so, the details thereof;

(c) whether the supply of gas has been discontinued to the aforesaid power plant from the Krishna Godavari (KG) D-6 Basin;

(d) if so, the reasons therefor; and

(e) the steps being taken by the Government to supply domestic/imported gas to 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) to (d) : Supply of Gas to be Power Sector from the Krishna Godavari (KG) D-6 Basin had completely stopped since 1st March, 2013.

Ratnagiri Gas and Power Private Limited (RGPPL) has been allocated (by EGoM in its meeting held on 22nd October, 2008) 7.6 Million Metric Standard Cubic Meters Per Day (MMSCMD) of gas from KG D-6 field and 0.9 MMSCMD of gas allocated from “ONGC C Series” to meet RGPPL’s total requirement of 8.5 MMSCMD. RGPPL is fully stranded since 15th July, 2013.

(e) : Ministry of Power is in the process of evolving a mechanism for pooling of domestic gas with imported Re-gassified Liquefied Natural Gas (RLNG) for supplying to all the stranded gas based plants including RGPPL.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.34**
TO BE ANSWERED ON 05.12.2013

**CAPTIVE COAL SUPPLY TO NTPC**

34. SHRI PONNAM PRABHAKAR:

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

(a) whether the National Thermal Power Corporation Limited (NTPC) is set to receive coal supplies from its captive mines; and

(b) 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) : NTPC is ready to start coal production from Pakri-Barwadih coal block in Jharkhand. All major contracts are awarded and work mobilized at site. All statutory clearances/permissions are available.

In case of other captive coal blocks, in the States of Odisha & Chhattisgarh, progress is as per the milestones.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.36**
TO BE ANSWERED ON 05.12.2013

**PROPOSALS FOR SETTING UP OF POWER PROJECTS**

36. SHRI SHIVKUMAR UDASI:

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

(a) the details of the proposals received by the Union Government from various States for setting up of power projects during the last three years and the current year, State-wise;

(b) the number of proposals sanctioned during the said period and those still pending for approval with the Union Government;

(c) the reasons for pendency of the said proposals; and

(d) the time by which all the proposals are likely to be approved by the Union Government?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

**(a):** As per the provision of Electricity Act, 2003, concurrence of Central Electricity Authority (CEA) is not required for setting up of new Thermal Power Projects. However, the CEA is required to accord concurrence to Hydro Power Projects estimated to involve a capital expenditure exceeding such sum as may be fixed by the Central Government from time to time, as per provisions of Section 8 of this Act.

Fifty Four (54) detailed project reports (DPRs) aggregating an installed capacity of 25,438 MW for setting of hydro power projects in various States of the country were received by CEA for concurrence during last three years and the current year i.e. from 2010-11 onwards. State-wise details are given at **Annex-I**.

**.....2.**

**(b) & (c):** Of the above, 54 DPRs (25,478 MW), 17 DPRs (11,208 MW) have been approved, 23 DPRs (8,830 MW) are under examination and 14 DPRs (5,440 MW) have been returned to developers. The details are as per **Annex-II, Annex-III and Annex-IV** respectively. In addition, DPRs of seven projects (2,760 MW) which were received, prior to 2010-11, have also been concurred by CEA during this period. The details are at **Annex-V**.

**(d):** The Authority endeavours to accord concurrence for implementation of hydro electric scheme, as and when DPR is received complete in all respects and the hydro electric scheme is found technically viable with necessary inputs/clearances having been tied up. However, in many cases, DPRs are not complete in all respects, lacking in various information. Once the DPR is complete from all respect, the CEA is required to give clearance within a prescribed period of 90 days.

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 36 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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## List of Hydro Electric Schemes Received in CEA for Concurrence during last three years and current year

| S. No. | Name of Scheme | State | Developer | Sector | MW | Date of Receipt |
|---|---|---|---|---|---|---|
| | **2010-11** | | | | | |
| | **J&K** | | | | | |
| 1 | Baglihar – II | J&K | JKSPDC | State | 450 | 05/10 |
| | **Himachal Pradesh** | | | | | |
| 2 | Shongtong Karcham | H.P | HPPCL | State | 450 | 01/11 |
| | **Uttarakhand** | | | | | |
| 3 | Bogudiyar Sirkari Bhyol | Utt. | GGHPL | Private | 146 | 04/10 |
| 4 | Vyasi | Uttarakhand | UJVNL | State | 120 | 07/10 |
| 5 | Tiuni Plasu | Utt. | DOI. Utt. | State | 72 | 08/10 |
| 6 | Nand Prayag Langasu | Utt. | UJVNL | State | 100 | 03/11 |
| | **Arunachal Pradesh** | | | | | |
| 7 | Tawang St-I | Ar. Pr. | NHPC | Central | 600 | 06/10 |
| 8 | Tawang St-II | Ar. Pr. | NHPC | Central | 800 | 05/10 |
| 9 | Nafra | Ar. Pr. | SNEL | Private | 120 | 08/10 |
| 10 | Nyamjang Chhu | Ar. Pr. | BEL | Private | 780 | 07/10 |
| 11 | Tato-II | Ar. Pr | THPPL | Private | 700 | 9/10 |
| 12 | Talong Londa | Ar. Pr. | GMR | Pvt. | 225 | 09/10 |
| 13 | Yamne St-II | Ar. Pr. | SSYEVPL | Private | 84 | 03/11 |
| | **Sub-Total** | | | | **4647** | |
| | **2011-12** | | | | | |
| | **J&K** | | | | | |
| 14 | Kirthai-II | J&K | JKPDC | State | 990 | 04/11 |
| | **Himachal Pradesh** | | | | | |
| 15 | Miyar | H.P. | MHPCL | Pvt. | 120 | 04/11 |
| 16 | Bara Banghal | HP | MPCL | Private | 200 | 06/11 |
| 17 | Seli | H.P | SHPCL | Private | 400 | 12/11 |
| | **Uttarakhand** | | | | | |
| 18 | Devsari | Uttarakhand | SJVNL | Central | 252 | 10/11 |
| | **Arunachal Pradesh** | | | | | |
| 19 | Hirong | Ar. Pr | JAPL | Pvt. | 500 | 05/11 |
| 20 | Naying | Ar. Pr. | NDSEPL | Pvt. | 1000 | 05/11 |
| 21 | Gongri | Ar. Pr. | DEPL | Pvt. | 144 | 07/11 |
| 22 | Pemashelphu | Ar.Pr. | REHPL | Private | 90 | 07/11 |
| 23 | Kalai-I | Ar.Pr. | KPPL | Private | 1352 | 01/12 |
| 24 | Etalin | Ar. Pr. | EHEPCL | Pvt. | 3097 | 02/12 |
| 25 | Hutong –II | Ar.Pr. | MHEIPL | Private | 1200 | 02/12 |
| | **Sub-Total** | | | | **9345** | |
| | **2012-13** | | | | | |
| | **J&K** | | | | | |
| 26 | Ratle | J&K | GVKHEPPL | Pvt. | 850 | 05/12 |
| 27 | Kwar | J&K | CVPP | Joint Venture | 560 | 07/12 |
| 28 | Kiru | J&K | CVPP | Joint Venture | 660 | 08/12 |

| S. No. | Name of Scheme | State | Developer | Sector | MW | Date of Receipt |
|---|---|---|---|---|---|---|
| 29 | New Ganderwal | J&K | JKSPD | State | 93 | 10/12 |
| 30 | Kirthai-I | J&K | JKSPDC | State | 390 | 01/13 |
| | **Himachal Pradesh** | | | | | |
| 31 | Chhatru | H.P | DSC | Private | 126 | 04/12 |
| 32 | Sach Khas | H.P. | L&T HHPL | Private | 267 | 01/13 |
| 33 | Luhri | H.P. | SJVNL | Central | 588 | 03/13 |
| | **Uttarakhand** | | | | | |
| 34 | Bowala Nand Paryag | Utt | UJVNL | State | 300 | 08/12 |
| 35 | Jelam Tamak | Utt. | THDCIL | Central | 108 | 12/12 |
| | **Karnataka** | | | | | |
| 36 | Sivasamudram | Kar. | KPCL | State | 345 | 04/12 |
| | **Bihar** | | | | | |
| 37 | Dagamara | Bihar | BSHPCL | State | 130 | 04/12 |
| | **Nagaland** | | | | | |
| 38 | Dikhu | Nagaland | NMESPL | Private | 186 | 04/12 |
| | **Assam** | | | | | |
| 39 | Lower Kopli | Assam | APGCL | State | 120 | 03/13 |
| | **Meghalaya** | | | | | |
| 40 | Kynshi-I | Meghalaya. | AKPL | Private | 270 | 02/13 |
| 41 | Umngot | Meghalaya | MePGCL | State | 240 | 03/13 |
| | **Arunachal Pradesh** | | | | | |
| 42 | Kalai –II | Ar Pr. | Kalai PPL | Private | 1200 | 04/12 |
| 43 | Gimliang | Ar.Pr. | SKIPL | Private | 80 | 04/2012 |
| 44 | Raigam | Ar.Pr. | SKIPL | Private | 141 | 04/2012 |
| 45 | Demwe Upper | Ar. Pr | UHPL | Private | 1080 | 07/12 |
| 46 | Tagurshit | Ar. Pr. | LTAHPL | Private | 74 | 07/12 |
| 47 | Siyom | Ar Pr | SHPPPL | Private | 1000 | 11/12 |
| 48 | Nyukcharong Chu | Ar. Pr | SNCPCL | Private | 96 | 01/13 |
| | **Sub-Total** | | | | **8904** | |
| | **2013-14** | | | | | |
| | **Himachal Pradesh** | | | | | |
| 49 | Chango Yangthang | H. P. | MPCL | Private | 180 | 11/13 |
| | **Arunachal Pradesh** | | | | | |
| 50 | Tato-I | Ar. Pr. | SHPPL | Private | 186 | 05/13 |
| 51 | Kangtangshiri | Ar. Pr. | REHPL | Private | 80 | 05/13 |
| 52 | Heo | Ar. Pr. | HHPPL | Private | 240 | 07/13 |
| 53 | Subansiri Middle (Kamla) | Ar. Pr. | KHEPCL | Private | 1800 | 10/13 |
| 54 | Magochu | Ar. Pr. | SMCPCL | Private | 96 | 10/13 |
| | **Sub-Total** | | | | **2582** | |
| | **Total** | | | | **25478** | |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 36 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Details of Hydro Electric Schemes Concurred by CEA during last three years and current year

| S. No. | Scheme | Sector | Developer | IC (MW) | CEA Concurrence |
|---|---|---|---|---|---|
| | **2010-11** | | | | |
| | **J & K** | | | | |
| 1 | Baglihar –II | State | JKSPDC | 450 | 29.12.10 |
| | **Aurnachal Pradesh** | | | | |
| 2 | Nafra | Private | SNEL | 120 | 11.02.11 |
| 3 | Nyamjang Chhu | Private | BEL | 780 | 24.03.11 |
| | **Sub-Total** | | | **1350** | |
| | **2011-12** | | | | |
| | **Uttarakhand** | | | | |
| 4 | Vyasi | State | UJVNL | 120 | 25.10.11 |
| | **Arunachal Pradesh** | | | | |
| 5 | Tawang Stage-I | Central | NHPC | 600 | 10.10.11 |
| 6 | Tawang Stage-II | Central | NHPC | 800 | 22.09.11 |
| | **Sub-Total** | | | **1520** | |
| | **2012-13** | | | | |
| | **J & K** | | | | |
| 7 | Ratle | Pvt. | GVKR HEPPL | 850 | 19.12.12 |
| | **Himachal Pradesh** | | | | |
| 8 | Shongtong Karcham | State | HPPCL | 450 | 16.8.12 |
| 9 | Miyar | Pvt. | MHPCL | 120 | 07.02.13 |
| | **Uttarakhand** | | | | |
| 10 | Devsari | Central | SJVNL | 252 | 7.8.2012 |
| | **Arunachal Pradesh** | | | | |
| 11 | Tato-II | Private | THPPL | 700 | 22.5.12 |
| 12 | Gongri | Pvt. | DEPL | 144 | 04.02.13 |
| | **Sub-Total** | | | **2516** | |
| | **2013-14** | | | | |
| | **Arunachal Pradesh** | | | | |
| 13 | Hirong | Pvt. | JAPL | 500 | 10.04.13 |
| 14 | Etalin | Pvt. | EHEPCL | 3097 | 12.07.13 |
| 15 | Talong londa | Pvt. | GMR | 225 | 16.08.13 |
| 16 | Naying | Pvt. | NDSCPL | 1000 | 11.09.13 |
| 17 | Siyom | Pvt | SHPPPL | 1000 | 08.10.13* |
| | **Sub-Total** | | | **5822** | |
| | **Total** | | | **11208** | |

* Concurrence meeting held. Concurrence letter is to be issued.

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ANNEX-III

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 36 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Details of Hydro Electric Schemes under examination CEA during last 3 years and current year

| S. No. | Scheme/ State | Month of Receipt | Installed Capacity (MW) | Status |
|---|---|---|---|---|
| | **Jammu & Kashmir** | | | |
| 1 | Kiru | 08/2012 | 660 | DPR received in 8/2012 .Presentation meeting held on 15.10.12 and DPR is under examination. DPR cleared from hydrology, PPS, Power evacuation design flood, Inter State, GSI and Pondage aspects. |
| 2 | New Ganderwal | 10/2012 | 93 | Presentation meeting held on 27.11.12. DPR is under examination. Cleared from Hydrology, PPS Indus Water treaty, Electrical design & project layout angle, CMDD, GSI,CSMRS. |
| 3 | Kirthai-I | 01/13 | 390 | DPR is accepted for details examination during the presentation meeting held on 02.05.2013. Cleared from hydrology and PPS aspects. |
| | **Himachal Pradesh** | | | |
| 4 | Seli, | Dec-11 | 400 | Presentation held on 13.01.2012<br>DPR taken into under examination .<br>Hydrology, PPS, E&M Design, CMDD, Instrumentation, FE&SA Power evacuation, CSMRS, Inter-State & GSI cleared. Reply to the comments of HCD, F&CA aspects Legal & MOWR etc received which are under examination. Reply to the comments are awaited on E&M cost, construction Power, Civil cost & Gate Design aspects. |
| 5 | Chhatru | 04/2012 | 126 | DPR received on 10.4.2012.<br>Presentation Meeting held on 06.7.2012.Hydrology, PPS, Power evacuation , Electrical designs & project layout ,instrumentation, inter state, BCD, FE&SA and GSI cleared. |
| 6 | Sach Khas | 01/13 | 267 | Presentation meeting held on 21.02.2013 and DPR taken under detailed examination. Hydrology, PPS, construction Power & Power evacuation and GSI cleared. Comments on CSMRS, Civil Cost Gates Design, Legal aspect & GOLF aspects sent to Project authorities. No comments received on CMC, & MOWR. Reply to the comments of HCD, CMDD, FE&SA Inter-State, Instrumentation, TCD, F&CA, E&M Design aspects, E&M cost received which are under examination. |

| | | | | |
|---|---|---|---|---|
| 7 | Luhri | 03/2013 | 588 | Revised DPR with an installed capacity of 588 MW has been submitted on 15.03.2013 by SJVNL which is under examination. Cleared from hydrology, PPS, Inter state, CMDD, Gates, FE&SA & Instrumentation. |
| 8 | Chango Yangthang | 11/2013 | 180 | DPR was accepted for examination in 11/2013. |
| | **Uttarakhand** | | | |
| 9 | Jelam Tamak | 12/2012 | 108 | DPR received on 06.12.2012 & taken under examination. Hydrology, PPS, GSI, FE&SA, Plant Planning, Design of E&M, Construction Power ISM, International, instrumentation and Power Evacuation aspects cleared. Other aspects are under examination. |
| 10 | Bowala Nand Prayag | 08/12 | 300 | Hydrology approved on 05.09.2008, PPS on 08.06.2010. Inter-State, FE&SA, Power Evacuation. Construction Power, International, instrumentation and Gates/HM aspects cleared. Other aspects are under examination. |
| | **Bihar** | | | |
| 11 | Dagmara | 04/12 | 130 | Concurrence meeting held on 20.03.2013. After discussion chairperson CEA concluded that concurrence of Dagmara HEP could not be accepted by the Authority due to high Project cost & tariff. Issues raised in the meeting are under process in CWC and Bihar Government. Investigation raised by CSMRS in the concurrence meeting were carried out by them. Further comments of GSI in regard of balance investigations sent to Developer 29.08.2013. Reply awaited. |
| | **Nagaland** | | | |
| 12 | Dikhu | 04/12 | 186 | All aspects cleared except, CSMRS Civil quantities and Cost of Civil works. |
| | **Meghalaya** | | | |
| 13 | Umngot | 03/2013 | 240 | Presentation meeting held on 14.06.13 & Hydrology aspects cleared on 30.09.2013. Comments on GSI, CSMRS, Instrumentation, Gates, cost of E&M works, CMDD, E&M Designs sent. The replies in respect of CSMRS & GSI aspects received and for others awaited. |
| 14 | Kyunshi-I | 02/2013 | 270 | DPR received on 22.02.13. Project was cleared by STC on conversion from storage to ROR on 13.08.13. Hydrology, PPS, GSI and power evacuation aspects have been cleared other aspects are under examination. |

| | | | | |
|---|---|---|---|---|
| | **Assam** | | | |
| 15 | Lower Kopli | 03/2013 | 120 | Submitted by APGCL in March, 2013. Hydrology, GSI aspects cleared. Comments on PPS & cost of E&M sent to developer in Sep, 2013 comments on CMDD aspects sent in Oct, 2013. |
| | **Arunachal Pradesh** | | | |
| 16 | Kalai –II | 04/2012 | 1200 | DPR received on 10.4.2012.<br>DPR is under advance stage on examination. |
| 17 | Demwe Upper | 07/2012 | 1080 | Revised DPR received on 23.7.12. STC on conversion of Storage Scheme to ROR Scheme in its meeting held on 29.11.2012 has cleared the project. DPR cleared from Hydrology, PPS, CSMRS FE&SA, Gates Inter-state, Instrumentation and Power Evacuation aspects. Other aspects are under examination. |
| 18 | Tagurshit | 07/2012 | 74 | Hydrology, PPS, Interstate, CMDD, HCD, Instrumentation, Gates, Power evacuation & E&M design aspect cleared other aspects are under examination. |
| 19 | Nyukcharong Chu | 01/2013 | 96 | DPR received on Jan, 2013 Presentation held on 14.03.2013. hydrology PPS Inter-state & legal power evacuation cleared by CEA/CWC. Other aspects are under examination. |
| 20 | Tato-I | 05/13 | 186 | Presentation meeting held on 04.06.13 & DPR accepted for examination. Hydrology PPS and power evacuation aspects cleared. Techno economic study of weir is under examination. Replies received on GSI, FE&SA, BCD, aspects in Sept, 2013, Comments given on instrumentation and E&M design aspects in Oct, 2013. |
| 21 | Heo | 07/2013 | 240 | Under Examination.<br>Hydrology, PPS & power evacuation aspect has been cleared. |
| 22 | Subansiri Middle (Kamla) | 10/2013 | 1800 | Presentation meeting was held on 19.11.2013. DPR was accepted for examination in CEA, CWC and GSI. |
| 23 | Magochu | 10/2013 | 96 | Presentation meeting was held on 19.11.2013. DPR was accepted for examination in CEA, CWC and GSI. |
| | **Total** | | **8830** | |

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ANNEX-IV

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 36 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Details of Hydro-Electric Schemes Returned To Project Authorities**
**(Received in CEA for Concurrence during last three years & current year)**

| S. No. | Scheme/ State | Month of Receipt / Return | IC (MW) | Reason for return/Status |
|---|---|---|---|---|
| 1 | Bogudiyar Sirkari Bhyol Uttarakhand | 04/10 09/10 | 146 | Returned due to inadequate geological investigations. PPS approved by CEA on 28.4.11. Hydrology approved by CWC 4.11.10 |
| 2 | Tiuni Plasu Uttarakhand | 08/10 10/10 | 72 | Returned due to incomplete geological investigations, higher cost etc. PPS & Hydrology approved by CEA & CWC on 16.8.12 & 3.10.11. |
| 3 | Nand Prayag Langasu Uttarakhand | 03/11 04/11 | 100 | Acceptance meeting held on 04.4.11 and DPR returned due to high cost, inadequate geological investigations, review of design of civil structures i.e. Barrage, surge shaft, Butterfly valve etc. Revised DPR is awaited. Hydrology not yet approved. Replies to Comments on CSMRS & foundation Engineering received on 07.09.12. |
| 4 | Bara Bhanghal Himachal Pradesh | 06/11 06/11 | 200 | Acceptance meeting held on 28.6.2011, DPR returned due to inadequate geological investigations, environmental & wild life issues, review of I.C. & Cost. |
| 5 | Hutong –II HEP Arunachal Pradesh | 02/12 | 1200 | Presentation was held on 23.03.2012 and DPR taken under examination. The DPR was returned on 24.5.12 as the scheme is now to be developed as storage scheme. Hydrology & PPS cleared on 9.5.2011 & 27.3.2012. |
| 6 | Kalai-I Arunachal Pradesh | 01/12 05/12 | 1352 | STC decided that M/S MFIPL should carry out the detailed investigation for the revised DPR as per CEA's letter dt 24.5.2012. |
| 7 | Kirthai-II J&K | 04/11 09/12 | 990 | Returned due to various reasons including the revision in power planning aspects on account of environmental flows to be considered during monsoon & non monsoon period, higher cost estimates and revision of cost at current price level. |
| 8 | Pemashelphu Arunachal Pradesh | 07/11 02/13 | 90 | Due to non replying of the comments and likely change in location of Dams benefits from the project, DPR of project has been returned. |
| 9 | Kwar J&K | 07/2012 10/2012 | 560 | Returned due to review of layout of HRT, provision of surge shaft in place of looping surge galleries, relocation of Power House and reduction of length of TRT. |
| 10 | Sivasamudram/ Karnataka | 04/2012 05/2012 | 345 | Presentation meeting held on 16.5.2012 as it involves interstate issues, DPR could not be processed and returned the same. |
| 11 | Yamne St-II Arunachal Pradesh | 03/11 05/11 | 84 | DPR returned due to inadequate geological investigations at dam site, diversion tunnel, surge shaft & power house etc. |
| 12 | Gimliang Arunachal Pradesh | 04/2012 06/2013 | 80 | DPR returned during presentation meeting held on 03.5.2013 due to inadequate geological investigation. Developer was told to submit revised DPR after carrying out necessary investigation and IC got fixed by CEA. |
| 13 | Raigam Arunachal Pradesh | 04/2012 06.2013 | 141 | DPR returned during presentation meeting held on 03.5.2013 due to inadequate geological investigation. Developer was told to submit revised DPR after carrying out necessary investigation and IC got fixed by CEA. |
| 14 | Kangtang Shiri Arunachal Pradesh | 05/2013 07/2013 | 80 | Returned on 29.07.2013 due to inadequate investigation and in proper layout etc. |
| | **Total** | | **5440** | |

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ANNEX-V

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 36 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Details of DPRs concurred by CEA, received prior to period of three years

| S. No. | Scheme | Sector | Developer | IC (MW) | CEA Concurrence |
|---|---|---|---|---|---|
| | **2010-11** | | | | |
| | **Himachal Pradesh** | | | | |
| 1 | Kutehr | Private | SWEPL | 240 | 31.08.10 |
| 2 | Sainj | State | HPPCL | 100 | 29.12.10 |
| | **Sikkim** | | | | |
| 3 | Teesta Stage-IV | Central | NHPC | 520 | 13.05.10 |
| 4 | Panan | Private | HHPL | 300 | 07.03.11 |
| | **Himachal Pradesh** | | | | |
| 5 | Bajoli Holi | Private | GMR | 180 | 30.12.11 |
| | **Sub Total** | | | **1340** | |
| | **2011-12** | | | | |
| | **Andhra Pradesh** | | | | |
| 6 | Indirasagar (Polavaram) | State | APGENCO | 960 | 21.02.12 |
| | **Mizoram** | | | | |
| 7 | Kolodyne Stage-II | Central | NTPC | 460 | 14.09.11 |
| | **Sub Total** | | | **1420** | |
| | **Total** | | | **2760** | |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.38**
TO BE ANSWERED ON 05.12.2013

**EQUIPMENT FOR POWER FIRMS**

38. SHRI SURESH KUMAR SHETKAR:

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

(a) whether the public sector power companies are procuring power equipment from the indigenous manufacturers;

(b) if so, the details thereof; and

(c) if not, the reasons therefor?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

**(a) & (b): Most of the main plant equipment (Boiler and Turbine generator) for power projects implemented by Public Sector Units (PSUs) are being procured from the indigenous manufacturers viz. M/s BHEL and Joint Ventures set up in the country for manufacture of supercritical boilers and turbine generators/other manufacturers.**

**The details of thermal power projects under construction by different PSUs are given at Annex–I (supplied by indigenous manufacturers). Details of Hydro projects are at Annex–II.**

**(c) : In view of the position explained above does not arise.**

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 38 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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*DETAILS OF PUBLIC SECTOR THERMAL PROJECTS WHICH ARE UNDER CONSTRUCTION AND WHERE ORDERS FOR BOILER/TG HAVE BEEN PLACED ON INDIGENOUS MANUFACTURERS*

| *State* | *Project Name* | *Impl. Agency* | *Unit No.* | *Cap. (MW)* | *Anticipated Comm. Date* |
|---|---|---|---|---|---|
| *CENTRAL SECTOR* | | | | | |
| *Assam* | Bongaigaon TPP | NTPC | U-1 | 250 | 12/2014 |
| | | | U-2 | 250 | 05/2015 |
| | | | U-3 | 250 | 10/2015 |
| *Bihar* | Barh STPP-II | NTPC | U-4 | 660 | 12/2013 |
| | | | U-5 | 660 | 09/2014 |
| *Bihar* | Muzaffarpur TPP Exp | NTPC | U-3 | 195 | 09/2014 |
| | | | U-4 | 195 | 03/2015 |
| *Bihar* | Nabi Nagar TPP | NTPC | U-1 | 250 | 03/2015 |
| | | | U-2 | 250 | 07/2015 |
| | | | U-3 | 250 | 11/2015 |
| | | | U-4 | 250 | 03/2016 |
| *Bihar* | New Nabi Nagar TPP | NTPC | U-1 | 660 | 02/2017 |
| | | | U-2 | 660 | 08/2017 |
| | | | U-3 | 660 | 02/2018 |
| *Chhattisgarh* | Lara TPP | NTPC | U-1 | 800 | 03/2017 |
| | | | U-2 | 800 | 09/2017 |
| *Jharkhand* | BokaroTPS "A"Exp. | DVC | U-1 | 500 | 03/2015 |
| *Karnataka* | Kudgi STPP Ph-I | NTPC | U-1 | 800 | 06/2016 |
| | | | U-2 | 800 | 12/2016 |
| | | | U-3 | 800 | 06/2017 |
| *Maharashtra* | Mouda STPP-II | NTPC | U-3 | 660 | 05/2016 |
| | | | U-4 | 660 | 11/2016 |
| *Maharashtra* | Solapur STPP | NTPC | U-1 | 660 | 05/2016 |
| | | | U-2 | 660 | 11/2016 |

| | | | | | |
|---|---|---|---|---|---|
| ***MP*** | Gadarwara STPP | NTPC | U-1 | 800 | 04/2017 |
| | | | U-2 | 800 | 10/2017 |
| ***MP*** | Vindhyachal TPP-V | NTPC | U-13 | 500 | 01/2016 |
| ***TN*** | Neyveli TPS-II Exp. | NLC | U-2 | 250 | 03/2014 |
| ***TN*** | Tuticorin JV | NLC | U-1 | 500 | 03/2014 |
| | | | U-2 | 500 | 06/2014 |
| ***TN*** | Vallur TPP-II | NTECL | U-3 | 500 | 02/2014 |
| ***Tripura*** | Monarchak CCPP | NEEPCO | GT | 61.3 | 01/2014 |
| | | | ST | 39.7 | 05/2014 |
| ***Tripura*** | Tripura Gas | OTPC | Module-2 | 363.3 | 12/2013 |
| ***UP*** | Meja STPP | JV of NTPC & UPRVUNL | U-1 | 660 | 06/2016 |
| | | | U-2 | 660 | 12/2016 |
| ***WB*** | Raghunathpur TPP Ph-II | DVC | U-1 | 660 | 08/2017 |
| | | | U-2 | 660 | 01/2018 |
| | | | ***Sub-Total :*** | **19534.3** | |
| ***STATE SECTOR*** | | | | | |
| ***AP*** | Damodaram Sanjeevaiah TPS | APPDL | U-1 | 800 | 03/2014 |
| | | | U-2 | 800 | 10/2014 |
| ***AP*** | Kakatiya TPS Extn | APGENCO | U-1 | 600 | 07/2014 |
| ***AP*** | Rayalseema St-III U-6 | APGENCO | U-6 | 600 | 12/2015 |
| ***Assam*** | Namrup CCGT | APGCL | GT | 70 | 06/2014 |
| | | | ST | 30 | 09/2014 |
| ***Bihar*** | Barauni TPP | BSEB | U-1 | 250 | 05/2016 |
| | | | U-2 | 250 | 10/2016 |
| ***Chhattisgarh*** | Marwa TPP | CSPGCL | U-1 | 500 | 02/2014 |
| | | | U-2 | 500 | 07/2014 |
| ***Delhi*** | Pragati CCGT - III | PPCL | ST-2 | 250 | 01/2014 |
| ***Gujarat*** | Bhavnagar CFBC TPP | Bhavnagar Energy | U-1 | 250 | 09/2014 |
| | | | U-2 | 250 | 12/2014 |
| ***Gujarat*** | Pipavav CCPP | GSECL | Block-1 | 351 | 01/2014 |
| ***Gujarat*** | Sikka TPS Extn. | GSECL | U-3 | 250 | 04/2014 |
| | | | U-4 | 250 | 07/2014 |

| | | | | | |
|---|---|---|---|---|---|
| ***Karnataka*** | Bellary TPP St-III | KPCL | U-3 | 700 | 03/2015 |
| ***Karnataka*** | Edlapur TPP | KPCL | U-1 | 800 | 03/2017 |
| ***Karnataka*** | Yermarus TPP | KPCL | U-1 | 800 | 12/2015 |
| | | | U-2 | 800 | 06/2016 |
| ***Maharashtra*** | Chandrapur TPS | MSPGCL | U-8 | 500 | 03/2014 |
| | | | U-9 | 500 | 01/2015 |
| ***Maharashtra*** | Koradi TPS Expn. | MSPGCL | U-10 | 660 | 04/2015 |
| | | | U-8 | 660 | 04/2014 |
| ***Maharashtra*** | Koradi TPS Expn. | MSPGCL | U-9 | 660 | 10/2014 |
| ***Maharashtra*** | Parli TPS Expn. | MSPGCL | U-8 | 250 | 02/2014 |
| ***MP*** | Malwa TPP ( Shree Singa ji TPP) | MPGENCO | U-2 | 600 | 03/2014 |
| ***MP*** | Satpura TPS Extn | MPPGCL | U-11 | 250 | 12/2013 |
| ***Rajasthan*** | Chhabra TPS Extn. | RRVUNL | U-4 | 250 | 03/2014 |
| ***Rajasthan*** | Ramgarh CCPP Extn. -III | RRVUNL | ST | 50 | 01/2014 |
| ***UP*** | Anpara-D TPS | UPRVUNL | U- 6 | 500 | 06/2014 |
| | | | U-7 | 500 | 10/2014 |
| ***WB*** | Durgapur TPS Extn | DPL | U-8 | 250 | 03/2014 |
| ***WB*** | Durgapur TPS Extn U-8 | DPL | U-8 | 250 | 01/2014 |
| ***WB*** | Sagardighi TPS-II | WBPDCL | U-3 | 500 | 10/2014 |
| | | | U-4 | 500 | 02/2015 |
| | | | ***Sub-Total :*** | **15981** | |
| | | | ***Total :*** | **35515.3** | |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 38 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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| Sl. No. | Name of the Project/State | Capacity (No.x MW) | Benefits (MW) | Make/Supplier of TG set | Date of Order |
|---|---|---|---|---|---|
| | **Central Sector** | | | | |
| | **BHEL Units** | | | | |
| 1 | Parbati-II (NHPC),(H.P. | 4x200 | 800.0 | BHEL | 24.12.02 |
| 2 | Parabati-III (NHPC) HP | 4x130 | 520.0 | BHEL | 29.12.06 |
| 3 | Kol Dam (NTPC), H.P. | 4x200 | 800.0 | BHEL, Toshiba & Marubeni | 07/2004 |
| 4 | Ram Pur (SJVNL), H.P. | 6x68.67 | 412.0 | BHEL | 16.09.08 |
| 5 | Kishanganga (NHPC), J&K | 3x110 | 330.0 | BHEL | 22.01.09 |
| 6 | Tapovan Vishnugad (NTPC), Utt. | 4x130 | 520.0 | BHEL | 01/2008 |
| 7 | Lata Tapovan, Uttarakhand | 3x57 | 171 | BHEL | 12/2012 |
| 8 | Teesta Low Dam-IV (NHPC), W.B. | 4x40 | 160.0 | BHEL | 10.05.07 |
| 9 | Kameng (NEEPCO), Ar. Pr. | 4x150 | 600.0 | BHEL | 03.12.04 |
| 10 | Tuirial (NEEPCO), Mizoram | 2x30 | 60.00 | BHEL | 25.10.03 |
| | **Sub-total- BHEL** | | **4373.00** | | 01.08.11 (Rev) |
| | **Other Units** | | | | |
| 11 | Uri-II (NHPC), J&K | 4x60 | 60.0 | Alstom, India & France | 29.12.06 |
| 12 | Subansiri Lower (NHPC), Ar. Pradesh | 8x250 | 2000.0 | Alstom, France & India | 11.02.05 |
| 13 | Pare (NEEPCO), Ar. Pr. | 2x55 | 110.0 | Andritz Hydro, India | 01.10.10 |
| | **Sub-total- Others** | | **2170.0** | | |
| | **Sub-total (Central Sector):** | | **6543.0** | | |
| | **State Sector** | | | | |
| | **BHEL Units** | | | | |
| 14 | Uhl-III (H.P.) | 3x33.33 | 100.0 | BHEL | 15.02.07 |
| 15 | Nagarjuna Sagar Tail, AP | 2x25 | 50.0 | BHEL | 03.05.06 |
| 16 | Pulichintala, A.P. | 4x30 | 120.0 | BHEL | 25.05.07 |
| | **Sub-total- BHEL** | | **270.00** | | |
| | | | | | |
| | | | | | |
| | **OTHER UNITS** | | | | |
| 17 | Baglihar-II, J&K | 3x150 | 450.00 | Voith-Andritz consortium, Germany & India | 31.03.12 |
| 18 | Kashang-I (H.P.) | 2x32.5 | 65.0 | Andritz Hydro, India | 01.12.10 |
| 19 | Kashang -II & III , H.P. | 2x65 | 130.00 | Andritz Hydro, India | 01.12.10 |
| 20 | Sawara Kuddu, H.P. | 3x37 | 111.0 | Andritz Hydro, India | 05.02.09 |
| 21 | Sainj, H.P. | | 100.00 | Voith Hydro, India | 17.08.11 |
| 22 | Lower Jurala, A.P. | 6x40 | 240.00 | Alstom, India | 09.06.08 |
| 23 | New Umtru, Meghalaya | 2x20 | 40.00 | V.A. Tech, India | 25.02.09 |
| | **Sub-total- Others** | | **1136.0** | | |
| | **Sub-total (State Sector):** | | **1406.0** | | |
| | **Total :** | | **7949.0** | | |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.43**
TO BE ANSWERED ON 05.12.2013

## ALLOCATION OF GAS TO DABHOL POWER PROJECT

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

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

(a) whether the Government proposes to allow Dabhol Power Project to jump the queue for allocation of gas from new gas fields;

(b) if so, the details thereof and the reasons therefor along with the details of the companies that are opposed to such a move;

(c) whether such a move would result in stoppage of fuel for 18000 MW existing gas-fired plants and another 7000 MW capacity plants that are under construction;

(d) if so, the details thereof; and

(e) the steps taken/being taken by the Government to address the issue?

## A N S W E R

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) : No, Madam. No such decision has been taken by the Government in this regard.

(b) to (e) : In view of (a) above do not arise.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.50**
TO BE ANSWERED ON 05.12.2013

**POWER PLANT OF NTPC**

†50. SHRI ASHOK KUMAR RAWAT:

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

(a) whether any survey has been conducted to set up power plants of National Thermal Power Corporation Limited (NTPC) at Bilhaur, Hardoi and Sitapur areas of Uttar Pradesh;

(b) if so, the details thereof along with the steps taken/proposed to be taken for setting up of the same; and

(c) the time by which power plants are likely to be set up in these areas and the estimated expenditure likely to be incurred 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) to (c) : National Thermal Power Corporation Limited (NTPC) has planned to set up a 1320 MW (2x660 MW) power plant near Bilhaur (District Kanpur Nagar, Uttar Pradesh). NTPC is not pursuing any project in Hardoi and Sitapur districts of Uttar Pradesh.

The Feasibility Report for the Bilhaur project has been approved by NTPC and land acquisition is in progress. Fuel tie up has been achieved. Application has been made for water linkage. Investment approval of the competent authority would be sought after all clearances are in place. The cost would be firmed up thereupon.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.75**
TO BE ANSWERED ON 05.12.2013

## LOSSES OF POWER DISCOMS

†75. SHRI ARJUN MEGHWAL:

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

(a) the details of the power distribution companies (Discoms) of various States that are incurring losses along with the details of those earning profits, State-wise;

(b) whether the Rural Electrification Corporation and Power Finance Corporation are not able to provide timely financial assistance to these power Discoms and if so, the reasons therefor;

(c) whether the Government has made any assessment of functioning of profit making power Discoms and issued any advisory to the loss making power Discoms to follow the functioning of profit making ones; 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) :** As per Power Finance Corporation's report on “Performance of State Power Utilities for the years 2009-10 to 2011-12”, based on the account details provided by the utilities, most of the utilities selling directly to consumers have incurred losses during the period 2009-10 to 2011-12. Details are given in **Annex.**

(b): Rural Electrification Corporation and Power Finance Corporation provide financial assistance to power Discoms as per approved policy and procedures.

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

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ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 75 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Profit/(Loss) details for Utilities Selling directly to Consumers**

Rs. Crores

| | | | 2009-10 | | 2010-11 | | 2011-12 | |
|---|---|---|---|---|---|---|---|---|
| Region | State | Utility | Profit/ (Loss) after tax | Profit/ (Loss) on subsidy received basis | Profit/ (Loss) after tax | Profit/ (Loss) on subsidy received basis | Profit/ (Loss) after tax | Profit/ (Loss) on subsidy received basis |
| Eastern | Bihar | BSEB | -1412 | -1412 | -1332 | -1332 | -1816 | -1816 |
| | Jharkhand | JSEB | -707 | -707 | -723 | -723 | -3211 | -3211 |
| | Orissa | CESCO | -146 | -146 | -87 | -87 | -257 | -257 |
| | | NESCO | -28 | -28 | -72 | -72 | -92 | -92 |
| | | SESCO | -40 | -40 | -19 | -19 | -22 | -22 |
| | | WESCO | -27 | -27 | -38 | -38 | -52 | -52 |
| | Sikkim | Sikkim PD | -9 | -9 | -38 | -38 | 36 | 36 |
| | West Bengal | WBSEDCL | 71 | 71 | 95 | 95 | 73 | 73 |
| **Eastern Total** | | | **-2298** | **-2298** | **-2213** | **-2213** | **-5342** | **-5342** |
| North Eastern | Arunachal Pradesh | Arunachal PD | -212 | -212 | -182 | -182 | -264 | -264 |
| | Assam | APDCL | -303 | -303 | -486 | -486 | -408 | -558 |
| | Manipur | Manipur PD | -145 | -145 | -204 | -204 | -307 | -307 |
| | Meghalaya | MeSEB | -56 | -56 | | 0 | | 0 |
| | | MeECL | | 0 | -91 | -91 | -195 | -195 |
| | Mizoram | Mizoram PD | -142 | -142 | -158 | -158 | -149 | -149 |
| | Nagaland | Nagaland PD | -108 | -108 | -175 | -175 | -201 | -201 |
| | Tripura | TSECL | 2 | -11 | -126 | -130 | -157 | -157 |
| **North Eastern Total** | | | **-964** | **-977** | **-1423** | **-1428** | **-1682** | **-1832** |
| Northern | Delhi | BSES Rajdhani | 187 | 187 | 388 | 388 | 121 | 121 |
| | | BSES Yamuna | 77 | 77 | 155 | 155 | 21 | 21 |
| | | NDPL | 351 | 351 | 258 | 258 | 339 | 339 |
| | Haryana | DHBVNL | -633 | -680 | -792 | -955 | -1621 | -1664 |
| | | UHBVNL | -912 | -912 | -129 | -129 | -2011 | -2011 |
| | Himachal Pradesh | HPSEB | -153 | -153 | -122 | -122 | | 0 |
| | | HPSEB Ltd. | | 0 | -389 | -389 | -513 | -513 |
| | Jammu & Kashmir | J&K PDD | -2106 | -2106 | -2167 | -2167 | -3037 | -3037 |
| | Punjab | PSEB | -1302 | -1302 | | 0 | | 0 |
| | | PSPCL | | 0 | -1640 | -1640 | -453 | -453 |
| | Rajasthan | AVVNL | 0 | -3924 | -6907 | -6907 | -7596 | -7596 |
| | | JDVVNL | 0 | -3169 | -6827 | -6828 | -6179 | -6179 |
| | | JVVNL | 0 | -3913 | -7636 | -7636 | -5797 | -5796 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Uttar Pradesh** | DVVN | -1707 | -1707 | -1117 | -1117 | -1499 | -1499 |
| | | KESCO | -155 | -155 | -182 | -182 | -384 | -384 |
| | | MVVN | -1040 | -1040 | -353 | -353 | -900 | -900 |
| | | Pash VVN | -1188 | -1188 | -304 | -304 | -392 | -392 |
| | | Poorv VVN | -1170 | -1170 | -1649 | -1649 | -1157 | -1157 |
| | **Uttarakhand** | Ut PCL | -527 | -527 | -204 | -204 | -417 | -417 |
| **Northern Total** | | | **-10279** | **-21333** | **-29616** | **-29779** | **-31475** | **-31518** |
| **Southern** | **Andhra Pradesh** | APCPDCL | 36 | -1198 | 3 | -778 | 4 | -1476 |
| | | APEPDCL | 18 | -435 | 13 | -572 | 25 | -963 |
| | | APNPDCL | 7 | -892 | 7 | -409 | 3 | -874 |
| | | APSPDCL | 4 | -1116 | 3 | -418 | 6 | -710 |
| | **Karnataka** | BESCOM | 12 | 112 | 0 | 0 | 144 | 133 |
| | | CHESCOM | -74 | -318 | 11 | 11 | -123 | -269 |
| | | GESCOM | -31 | -31 | 61 | 61 | -13 | -13 |
| | | HESCOM | -174 | -174 | -65 | -65 | 40 | 40 |
| | | MESCOM | 9 | -14 | 2 | 2 | 6 | 6 |
| | **Kerala** | KSEB | 241 | 241 | 241 | 241 | 241 | 241 |
| | **Puducherry** | Puducherry PD | -47 | -47 | -134 | -134 | -164 | -164 |
| | **Tamil Nadu** | TNEB | -10295 | -10295 | -6273 | -6273 | | 0 |
| | | TANGEDCO | | 0 | -5634 | -5634 | -14306 | -14306 |
| **Southern Total** | | | **-10293** | **-14166** | **-11764** | **-13967** | **-14138** | **-18356** |
| **Western** | **Chhattisgarh** | CSPDCL | -351 | -351 | -581 | -581 | -1310 | -1310 |
| | **Goa** | Goa PD | 16 | 16 | -79 | -79 | -271 | -271 |
| | **Gujarat** | DGVCL | 22 | 22 | 63 | 63 | 76 | 76 |
| | | MGVCL | 17 | 17 | 25 | 25 | 36 | 36 |
| | | PGVCL | 4 | 4 | 3 | 3 | 9 | 9 |
| | | UGVCL | 6 | 6 | 13 | 13 | 12 | 12 |
| | **Madhya Pradesh** | MP Madhya Kshetra VVCL | -779 | -779 | -605 | -605 | -1129 | -1129 |
| | | MP Paschim Kshetra VVCL | -1433 | -1433 | -578 | -578 | -624 | -624 |
| | | MP Purv Kshetra VVCL | -1131 | -1131 | -974 | -974 | -1167 | -1167 |
| | **Maharashtra** | MSEDCL | -1085 | -1085 | -1505 | -1505 | -808 | -808 |
| **Western Total** | | | **-4714** | **-4714** | **-4219** | **-4219** | **-5175** | **-5175** |
| **Grand Total** | | | **-28548** | **-43488** | **-49235** | **-51606** | **-57811** | **-62221** |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.81**
TO BE ANSWERED ON 05.12.2013

**RELAXATION FOR MEGA POWER PROJECTS**

81. SHRI ANAND PRAKASH PARANJPE:
SHRI EKNATH M. GAIKWAD:
SHRI SUGUMAR K.:
SHRI B.B. PATIL:
SHRI SANJAY BHOI:

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

(a) whether the Government has proposed relaxation in norms for some big power projects that are being implemented under the mega power policy;

(b) if so, the details thereof along with the details of the projects which will benefit from the same;

(c) the quantum of power likely to be generated by these power projects; and

(d) the details of the other initiatives being taken by the Government to boost the generation 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 (c): Ministry of Power has circulated a draft Note to be placed before the Cabinet Committee on Economic Affairs (CCEA), for certain amendments in the Mega Power Policy, for Inter-Ministerial consultations. Details will be finalised once the comments of the concerned Ministries are received and considered.

(d) : Details of the other initiatives being taken by the Government to boost the generation of power in the country are listed below:

I. Government has decided that Fuel Supply Agreements (FSAs) for plants commissioned after March 2009 and scheduled to be commissioned by March, 2015 totaling to 78,000 MW (67,000 MW long term linkage and 11,000 MW tapering linkage) be signed. Signing of FSAs will ensure availability of fuel to the power plants which will boost power generation in the coming years.

.....2.

II. Further, Government of India has taken a number of legislative policy and administrative measures to enhance private participation and boosting power generation in the country. Some of these measures are:

(i) Enactment of new Electricity Act, 2003.

(ii) De-licensing of thermal generation. Further captive generation is freely permitted.

(iii) Structural reforms for State Electricity Board.

iv) Formation of Central & State Regulatory Commissions

(v) Formulation of National Grid.

(vi) Open access in Transmission & Distribution.

(vii) Power trading being recognized as a distinct activity.

(viii) Accelerated Power Development & Reforms Programme

(ix) Reduction in T&D losses.

(x) Issue of guidelines for competitive bidding for procurement of Power by distribution licensees under the Electricity Act.

(xi) Notification of Tariff Policy.

(xii) Notification of National Electricity Policy.

(xiii) Notification of the Hydro Policy, 2008.

(xiv) Ultra Mega Power Plants (UMPP) initiative.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.89**
TO BE ANSWERED ON 05.12.2013

## HYDRO POWER GENERATION

†89. SHRI JAGADANAND SINGH:

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

(a) whether there is immense potentional of hydro power generation in North-Eastern States;

(b) if so, the details thereof;

(c) whether transmission lines of larger capacity have been installed or being installed in other parts of country on the basis of completed and ongoing hydro power projects;

(d) if so, the details thereof;

(e) whether there is any proposal for installation of transmission line from North-East to Northern Grid; and

(f) if so, the details thereof and the time by which it is likely to be completed?

## 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, there is immense potential of hydro power generation in North-Eastern States. As per Reassessment Study of CEA in 1978-87, there is a potential of 58971 MW (58356 MW – above 25 MW) in the North-Eastern States.

(c) & (d) : The list of larger capacity (132 kV & above) transmission lines for evacuation of power from hydro power projects in the country is enclosed at Annex.

(e) & (f) : The ±800 kV HVDC Biswanath Chariyali (NER) to Agra Bipole (NR) line with a line length of 3483 Ckm is to provide the interconnection between North-East and Northern Grid. Construction of this line is expected to be completed in 2015-16.

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ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 89 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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List of larger capacity (132 kV & above) Transmission lines Associated with Hydro Power Projects.

| Associated Transmission Lines and Substations | | State/Agency Executing Associated Trans. Works | Ckts (S/C) & (D/C) | Voltage Level (KV) | Ckm/ MVA |
|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 |
| **Alaknanda HEP (6x50 MW), PS, UK, Badrinath, U1,U2,U3,U4,U5,U6,,** | | | | | |
| 1 | Alaknanda HEP - Joshimath | GMR ENERG | D/C | 220 | |
| 2 | Sringar - Kashipur | PTCUL | D/C | 400 | 304 |
| **Baglihar-II HEP (3x150MW) SS,J&K, JKPDC, U1-3/15,U2-5/15,U3-6/15,** | | | | | |
| 1 | LILO of one ckt of Kishanpur - New wanpoh at Baglihar HEP | JKPDD | D/C | 400 | |
| **Bhasmay HEP (3x17MW),PS,Sikkim,Gati Infra,U1,2&3-2014-15,** | | | | | |
| 1 | LILO of one circuit of Rongnichu - Randpo at Bhasmay | GATI | S/C | 220 | |
| **Budhil HEP (2x35 MW), PS, H.P., LANCO Green, U1-5/12(C),U2-5/12.(C),** | | | | | |
| 1 | Budhil -Chamera III | LEPP | S/C on D/C | 220 | 40 |
| **Chamera-II HEP,CS,HP,,** | | | | | |
| 1 | Chamera-II HEP (Part-I)- Chamera Pooling Station | PGCIL | S/C | 400 | 1 |
| **Jorethang Loop HEP (2x48MW)PS,Sikkim,DANS,U1&2 - 6/13,** | | | | | |
| 1 | Jorethang - New Melli (Tokal) via Tashiding | DEPL | S/C | 220 | |
| **Kameng HEP,SS,ArP,U2-12/14,U3-12/14.,** | | | | | |
| 1 | Kameng - Balipara | PGCIL | D/C | 400 | 110 |
| **Kishanganga HEP (3x110MW) CS, J&K, NHPC, U1,2 & 3- 2016-17,** | | | | | |
| 1 | Kishanganga - New Wanpow via Alistang | NHPC | D/C | 220 | |
| 2 | Kishanpur-Amargarh | NHPC | D/C | 220 | |
| **Koldam HEP (4x200 MW),CS,HP,NTPC, U(1-4)-13-14,** | | | | | |
| 1 | Koldam - Ludhinana (JV Portion) | JV(PG&JP) | D/C | 400 | 306 |
| 2 | Koldam - Nalagarh | PGCIL | D/C | 400 | 93 |
| **Koteshwar HEP (4x100 MW),CS,UK, THDC,U3-1/12,U4-3/12.,** | | | | | |
| 1 | LILO of Tehri - Meerut at Tehri Pooling Point (to be charged at 400 KV) | PGCIL | 2xD/C | 765 | 13 |
| 2 | Koteshwar -Tehri Pooling Point | PGCIL | D/C | 400 | 5 |
| **Lakhwar HEP (300 MW) & Vyasi HEP (120 MW),SS,UK,UJVNL,** | | | | | |
| 1 | Almora-Pithoragarh | PTCUL | D/C | 220 | 146 |
| 2 | Arakot -Mori and LILO of Arakot -Mori at Hanol Tuni | PTCUL | D/C | 220 | 94 |
| 3 | Devsari-Karanprayag | PTCUL | D/C | 220 | 52 |
| 4 | Jakhol -Sankri -Mori and LILO of Jakhol -Sankri -Mori at Natwar Mori | PTCUL | D/C | 220 | 76 |
| 5 | LILO of Nandprayag -Karanprayag at Langrasu | PTCUL | D/C | 220 | 16 |
| 6 | LILO of Roshnabad -Puhana at Pirankaliyar S/S | PTCUL | D/C | 220 | 10 |
| 7 | LILO of Vyasi HEP - Dehradun at Dehradun (PG) S/S | PTCUL | D/C | 220 | 70 |
| 8 | Mori -Dehradun | PTCUL | D/C | 220 | 200 |
| **Lower Jurala HEP (6x40MW) SS,AP,APGENCO,U1-12/13,U2-3/14 & U3 to 6 - 14/16,** | | | | | |
| 1 | LILO of Veltoor -Jurala at Lower Jurala HEP | APTRANSCO | D/C | 220 | 10 |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Lower Jurala HEP - Upper Jurala | APTRANSCO | D/C | 220 | 22 |
| **Miyar HEP (3x40MW),PS, Distt, Spiti,HP,M/s Miyar Hydro Electric Power Company Ltd.,** | | | | | |
| 1 | Miyar - Pooling Station Sissu/ Gramphu | CTU | D/C | 400 | |
| 2 | Sissu/Gramphu Pooling Station - Hamirpur | CTU | D/C | 400 | |
| **Nagarjuna Sagar TR HEP ( 2x25 MW),SS,AP,APGENCO,Unit-1 & 2 - 2014/15,** | | | | | |
| 1 | LILO of VTS - Tallapally line at Rentachintala | APTRANSCO | D/C | 220 | 2 |
| 2 | Rentachintala - Macherla S/S | APTRANSCO | S/C | 132 | 17 |
| **New Umtru HEP (2x20 MW),SS,Meg,MeECL,Unit - 1 & 2 - 2014-15.,** | | | | | |
| 1 | New Umtru HEP - Norbong (EPIP-II) | MeECL | D/C | 132 | 6 |
| **Pallivasal HEP (2x30MW),SS,Kerala,KSEB, U1 & 2-2014-15,** | | | | | |
| 1 | LILO of Idukki-Udumalpet at Pallivasal HEP | KSEB | D/C | 220 | |
| **Parabati-II HEP (PGCIL & JP)CS,HP,NHPC,Unit-14/15.,** | | | | | |
| 1 | Parbati -II- Koldam line -II | PKTCL | S/C | 400 | 64 |
| 2 | Parbati- II - Koldam line-I | PKTCL | S/C | 400 | 67 |
| **Parbati-III HEP (4x130 MW),CS,HP,NHPC,U1-6/13,U2-7/13,U3-1/14,U4-3/14,** | | | | | |
| 1 | LILO of Parbati -II - Koldam at Parbati Pooling Point. | PGCIL | D/C | 400 | 1 |
| | | | | | |
| 2 | LILO of Parbati -II - Parbati Pooling Point at Parbati -III | PGCIL | D/C | 400 | 4 |
| 3 | Parbati Pooling Point - Amritsar | PGCIL | D/C | 400 | 501 |
| **Phata Byung HEP (2x38 MW),PS, UK , Lanco, U1-11/13,** | | | | | |
| 1 | Phata HEP-Baramwari (Rudrpur) | LEPP | D/C | 220 | 8 |
| 2 | Rudrapur(Brahmwani) - Ghansali-Srinagar line | PTCUL | D/C | 220 | 182 |
| **Rampur HEP (6x68.67 MW),CS,HP,SJVNL,U1-2/14,U2-2/14,U3-3/14,Unit-4 to 6-14/15,** | | | | | |
| 1 | LILO of Nathpa Jhakri - Nalagarh at Rampur | PGCIL | D/C | 400 | 8 |
| 2 | LILO of Patiala - Hissar at Kaithal | PGCIL | D/C | 400 | 66 |
| 3 | Patiala - Ludhiana | PGCIL | D/C | 400 | 156 |
| **Ranghit-IV HEP (3x40MW),PS,Sikkim,JP,U1,2,&3-2014-15,** | | | | | |
| 1 | Routing of one circuit of Jorthong - New Melli via Rangit - IV | LEPP | D/C | 220 | |
| **Ratle HEP, (6x115 MW), PS, J&K, GVK, U1-2/17,U2-2/17,U3-2/17,U4-2/17,U5-2/17,U6-2/17,** | | | | | |
| 1 | LILO of one circuit of Dulhasti - Kishenpur at Ratle HEP. | PGCIL | D/C | 400 | |
| 2 | Kishenpur - Ratle, (Dulhasti- Kishenpur Second Ckt stringing extending up to Ratle HP) | PGCIL | S/C | 400 | |
| **Sainj HEP (100MW),SS,HP,HPPCL,U1-2014-15,** | | | | | |
| 1 | LILO of Parbati III - Parbati Pooling station at Sainj | HPPTCL | D/C | 400 | |
| **Seli HEP (5x80 MW),PS,HP,M/s Seli Hydro Electric Power Company Ltd.,** | | | | | |
| 1 | LILO of one ckt of Miyar - Hamirpur (via Rohtang) at Seli | CTU | D/C | 400 | |
| **Singoli Bhatwari HEP (3x33MW)PS,UK,L&T,U1,2 &3,** | | | | | |
| 1 | LILO of Baramwari - Srinagar at Singoli Bhatwari | PTCUL | D/C | 220 | 5 |
| **Sorang HEP (2x50 MW),PS,HP,HSPCL, U1- 11/13, U 2-12/13,** | | | | | |
| 1 | LILO of one ckt Karcham wangto - Abdullapur at Sorang | HSPPL | D/C | 400 | 6.4 |
| **Srinagar HEP, (4x82.5 MW),PS,UK,GVKIL,U1-12/12,U2-1/13,U3-2/13,U4-3/13.,** | | | | | |
| 1 | Srinagar HEP - Sringar 400 kV S/S. | PTCUL | D/C | 400 | 28 |
| 2 | LILO of Vishnuprayag - Muzaffarnagar at Srinagar HEP | UPPTCL | D/C | 400 | 15 |
| **Subhansiri HEP ( Lower) (8x250 MW) ,CS,ArP,NHPC,Unit 1 to 8 -2016-17,** | | | | | |
| 1 | Lower Subhansiri - Biswanath Chariyali line -I | PGCIL | D/C | 400 | 334 |
| 2 | Lower Subhansiri - Biswanath Chariyali line -II | PGCIL | D/C | 400 | 340 |

| | | | | | |
|---|---|---|---|---|---|
| **Swara Kuddu HEP (3x37MW), U1-3, 2014-15,** | | | | | |
| 1 | LILO of one ckt of Nathpa Jhakri - Abdullapur at Swara Kuddu | HPPTCL | D/C | 400 | |
| **Tapovan Vishnugad HEP (4x130MW), CS,UK,NTPC,U1,2,3,&4 -2014-15,** | | | | | |
| 1 | LILO of Vishnu Prayag - Muzaffarnagar at Tapovan Vishnugarh HEP | PGCIL | D/C | 400 | |
| 2 | Tapovan Vishnugadh - Kunwari Pass | PGCIL | D/C | 400 | |
| 3 | Kuwari Pass (Pipalkoti)-Karanprayag - Srinagar | PTCUL | D/C | 400 | 184 |
| 4 | LILO of Muzaffarnagar - Vishnu Prayag at Kuwari Pass (Pipalkoti) | PTCUL | D/C | 400 | 2 |
| **Tashiding HEP (2x48MW)PS,Sikkim,Shiga Energy,U1&2-3/14,** | | | | | |
| 1 | Tashiding - New Melli | | S/C | 220 | |
| **Teesta LD IV HEP (4x40 MW),CS,WB,NHPC,Unit 1 to 4 -2014-15,** | | | | | |
| 1 | Teesta LDP III -Teesta LD IV - New Jalpaiguri | WBSETCL | D/C | 220 | 166 |
| **Teesta VI HEP (4x125 MW), PS, M/S LANCO Urja, SIKKIM,U1-4 - 2015-16,** | | | | | |
| 1 | Teesta VI - New Melli | LEPP | D/C | 220 | |
| **Tehri PSS, HEP (4x250MW)CS,UP,THDC,U1,2,3&4,** | | | | | |
| 1 | Charging of Tehri Pooling Station - Meerut | PGCIL | D/C | 765 | |
| 2 | Tehri PSS-Tehri Pooling Station | PGCIL | D/C | 400 | |
| **Thottiyar HEP (1x30+1x10MW)SS,Kerala, KSEB, U1, & 2,** | | | | | |
| 1 | LILO of Ldukki - Kozikode at Kodakpara | KSEB | D/C | 220 | |
| 2 | Thottiyar - Kodakpara | KSEB | D/C | 220 | |
| **Tidong-I HEP (2x50MW)PS,HP,NSL,U1,&2,** | | | | | |
| 1 | LILO of Kasang - Bhbaba at Tidong-I | HPPTCL | D/C | 220 | |
| **Tuirial HEP (2x30MW),CS,Miz,NEEPCO, U1 &2- 2015-16,** | | | | | |
| 1 | LILO of Jiribam - Aizawl at Turial | PGCIL | D/C | 132 | |
| 2 | Turial HEP - Aizawl | P&ED Mizo | S/C | 132 | |
| **URI-II HEP (4x60 MW), CS,J&K,NHPC,U1-6/13,U2-6/13,U3-7/13,U4-8/13.,** | | | | | |
| 1 | URI I - URI II | PGCIL | S/C | 400 | 11 |
| 2 | URI II -Wagoora | PGCIL | S/C | 400 | 105 |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.97**
TO BE ANSWERED ON 05.12.2013

**ELECTRICITY TO BPL**

†97. DR. BALIRAM:

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

(a) the details of the people living Below Poverty Line (BPL) to whom electricity has been provided in the Azamgarh area of Uttar Pradesh under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY);

(b) the details of those people included in the BPL list but not provided electricity connections till date; and

(c) the time by which electricity connections are likely to be provided to all the people included in the BPL list in the said area?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) & (b) : The project of district Azamgarh, Uttar Pradesh was sanctioned under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during 10th Five Year Plan covering release of free electricity service connection to 50,828 Below Poverty Line (BPL) households. Free electricity connections to all 50,828 BPL households have been released. The list of BPL households is finalized by the State Government.

(c) : Government of India has approved continuation of RGGVY during 12th Five Year Plan, which, inter-alia, envisages to cover release of free electricity connections to remaining eligible BPL households.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.105**
TO BE ANSWERED ON 05.12.2013

**DISTRIBUTION OF POWER**

†105. SHRI GANESH SINGH:
SHRI SUDARSHAN BHAGAT:
SHRI SHIVKUMAR UDASI:

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

(a) the details of the criteria for allocation of power to States along with the details of the demand, supply and peaking/non-peaking shortage of power during the 12th Five Year Plan period, year-wise and State/UT-wise;

(b) whether the allocation of power to certain States particularly Madhya Pradesh and Jharkhand is less as compared to their demands;

(c) if so, the details thereof and the reasons therefor;

(d) the details of the power projects lying pending in various States including Jharkhand, State-wise; and

(e) the details of the perspective plan of the Government for augmenting the power generation capacity especially hydel power along with other steps taken by the Government to improve the power situation 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) :** Power from Central Generating Stations to beneficiary States/Union Territories is allocated in accordance with formula for allocation of power which is being treated as guidelines from April, 2000. As per these guidelines, allocation of power is made to the States/UTs in two parts, namely firm allocation of 85% and 15% unallocated power for allocation by the Government for meeting the urgent/overall requirement. The firm allocation includes allocation of 12% free power to the affected States and 1% for local area development in case of Hydro Power Stations and 10% (not free) power to the home State in case of Thermal and Nuclear Power Stations. The balance 72%/75% power is distributed amongst the States / UTs of the region in accordance with the pattern of central plan assistance and energy consumption during the previous five years, both factors having equal weightage. Central plan assistance is determined in accordance with the Gadgil formula, in which population of the states is also taken into consideration. In case of joint venture projects, the equity contributing state gets benefit in firm allocation in accordance with their equity contribution.

.....2.

The aforementioned guidelines for allocation of power from Central Generating Stations are applicable to the generating stations, for the following Central Sector Projects

(i) Hydro projects( for which PPAs to be signed by December 2015)
(ii) Expansion of already commissioned projects (other than hydro).
(iii) Projects for which PPA(s) have been signed on or before 05.01.2011 (other than hydro).

Power from the projects which does not fall under category i), ii) & iii) above is to be procured by the Distribution Companies/ Utilities through tariff based competitive bidding. Since January 2011, the Government of India has approved allocation of 50% of power to Home States from the following :

(i) All new nuclear projects of NPCIL
(ii) 14 nos. upcoming Thermal Power projects of NTPC ,as detailed below:

| Sl.No. | Station | Capacity (MW) | State |
|---|---|---|---|
| 1. | Gadwara | 2640 | Madhya Pradesh |
| 2. | Lara | 4000 | Chhatisgarh |
| 3. | Talcher Expansion | 1320 | Orissa |
| 4. | Kudgi | 4000 | Karnataka |
| 5. | Daripalli | 3200 | Orissa |
| 6. | Gajmara | 3200 | Orissa |
| 7. | Gidderbaha | 2640 | Punjab |
| 8. | Katwa | 1600 | West Bengal |
| 9. | Dhuvran | 1980 | Gujrat |
| 10. | Khargone | 1320 | Madhya Pradesh |
| 11. | Pudimadka | 4000 | Andhra Pradesh |
| 12. | Bilhaur | 1320 | Uttar Pradesh |
| 13. | Kathua | 500 | J&K |
| 14. | Barethi | 3960 | Madhya Pradesh |

For above mentioned categories of the Projects (NPCIL & NTPC Projects), the balance 50% power is to be distributed as mentioned below:

- 15% of Installed Capacity as unallocated at the disposal of Government of India.
- Remaining 35% to other constituents (except home state) as per Central formula and for Barethi 35% of total capacity to go to UP.

The details of State/UT wise actual power supply position during the year 2012-13 and 2013-14 ( up to October,13) as well as anticipated power supply position during 2013-14 as per Load-Generation Balance Report (LGBR) published by CEA is enclosed at **Annex-I**.

**(b) & (c):** The requirement of power in a State is met with their own generation, their share in the Central Generating Stations (CGSs) and power available through direct bilateral arrangements as well as through Power-exchanges. Government of

.....3.

India only supplements the efforts of the State Governments by way of allocation of power from CGSs. Thus, supply of power to the States against their allocation of power from CGSs, caters to only a part of their requirement. Therefore, normally, the power allocation from CGSs is less than the demand of the States/UTs. During the period April to October, 2013, the peak demand of Madhya Pradesh and Jharkhand were 7663 MW and 1111 MW respectively, against which the allocations in peak hours from CGSs to these States as on 31.10.2013 were 4512 MW and 543 MW, respectively. The details of State/UT wise Peak demand during the period April to October, 2013 and the total allocation to them as on 31st October, 2013 in peak hours are given at **Annex-II**.

**(d):** The details of the power projects lying pending in various States are not available in CEA. However, after the enactment of Electricity Act 2003 Techno-Economic clearance of CEA is not required for Thermal Power Projects. As such proposals for thermal power projects are not received in CEA.

No information is available in CEA regarding the power projects lying pending in various States including Jharkhand. However, detailed projects reports of 23 hydro power projects aggregating to an installed capacity of 8790 MW are under examination in CEA, CWC, GSI and CSMRS for concurrence (List of these DPRs is given at **Annex-III**). No DPR of hydro power project of Jharkhand State is under examination.

**(e):** As per the Planning Commission the generation capacity which will be added in 12th Plan would be 88,537 MW (excluding 30,000 MW of renewable energy sources).

For augmenting the power generation capacity, presently 48 nos. of hydro electric projects (above 25 MW) totaling to 14322 MW are under various stages of construction.

The following steps are being taken by Ministry of Power to expedite the commissioning of hydel power projects in the country:

(i) Central Electricity Authority (CEA) is monitoring the power projects in pursuance of 73 (f) of Electricity Act, 2003. The progress of each project is monitored continuously through frequent site visits, interaction with the developers and critical study of monthly progress reports. Chairperson, CEA holds review meeting with the developers and other stakeholders to sort out the critical issues.

(ii) A Power Project Monitoring Panel (PPMP) has been set up by the Ministry of Power to independently follow up and monitor the progress of the hydro projects.

(iii) Review meetings are taken by Ministry regularly with the concerned officers of CEA, equipment manufacturers, State Utilities/CPSUs/Project developers, etc.

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 105 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Power Supply Position for 2012-13**

| State / System / Region | Energy | | | | Peak | | | |
|---|---|---|---|---|---|---|---|---|
| | April, 2012 - March,2013 | | | | April, 2012 - March,2013 | | | |
| | Requirement | Availability | Surplus/Deficit (-) | | Peak Demand | Peak Met | Surplus / Deficit (-) | |
| | ( MU ) | ( MU ) | ( MU ) | ( % ) | ( MW ) | ( MW ) | ( MW ) | ( % ) |
| Chandigarh | 1,637 | 1,637 | 0 | 0 | 340 | 340 | 0 | 0 |
| Delhi | 26,088 | 25,950 | -138 | -0.5 | 5,942 | 5,642 | -300 | -5.0 |
| Haryana | 41,407 | 38,209 | -3,198 | -7.7 | 7,432 | 6,725 | -707 | -9.5 |
| Himachal Pradesh | 8,992 | 8,744 | -248 | -2.8 | 2,116 | 1,672 | -444 | -21.0 |
| Jammu & Kashmir | 15,410 | 11,558 | -3,852 | -25.0 | 2,422 | 1,817 | -605 | -25.0 |
| Punjab | 48,724 | 46,119 | -2,605 | -5.3 | 11,520 | 8,751 | -2,769 | -24.0 |
| Rajasthan | 55,538 | 53,868 | -1,670 | -3.0 | 8,940 | 8,515 | -425 | -4.8 |
| Uttar Pradesh | 91,647 | 76,446 | -15,201 | -16.6 | 13,940 | 12,048 | -1,892 | -13.6 |
| Uttarakhand | 11,331 | 10,709 | -622 | -5.5 | 1,759 | 1,674 | -85 | -4.8 |
| **Northern Region** | **300,774** | **273,240** | **-27,534** | **-9.2** | **45,860** | **41,790** | **-4,070** | **-8.9** |
| Chhattisgarh | 17,302 | 17,003 | -299 | -1.7 | 3,271 | 3,134 | -137 | -4.2 |
| Gujarat | 93,662 | 93,513 | -149 | -0.2 | 11,999 | 11,960 | -39 | -0.3 |
| Madhya Pradesh | 51,783 | 46,829 | -4,954 | -9.6 | 10,077 | 9,462 | -615 | -6.1 |
| Maharashtra | 123,984 | 119,972 | -4,012 | -3.2 | 17,934 | 16,765 | -1,169 | -6.5 |
| Daman & Diu | 1,991 | 1,860 | -131 | -6.6 | 311 | 286 | -25 | -8.0 |
| Dadar Nagar Haveli | 4,572 | 4,399 | -173 | -3.8 | 629 | 629 | 0 | 0.0 |
| Goa | 3,181 | 3,107 | -74 | -2.3 | 524 | 475 | -49 | -9.4 |
| **Western Region** | **296,475** | **286,683** | **-9,792** | **-3.3** | **40,075** | **39,486** | **-589** | **-1.5** |
| Andhra Pradesh | 99,692 | 82,171 | -17,521 | -17.6 | 14,582 | 11,630 | -2,952 | -20.2 |
| Karnataka | 66,274 | 57,044 | -9,230 | -13.9 | 10,124 | 8,761 | -1,363 | -13.5 |
| Kerala | 21,243 | 20,391 | -852 | -4.0 | 3,578 | 3,262 | -316 | -8.8 |
| Tamil Nadu | 92,302 | 76,161 | -16,141 | -17.5 | 12,736 | 11,053 | -1,683 | -13.2 |
| Pondicherry | 2,331 | 2,291 | -40 | -1.7 | 348 | 320 | -28 | -8.0 |
| Lakshadweep | 36 | 36 | 0 | 0 | 8 | 8 | 0 | 0 |
| **Southern Region** | **281,842** | **238,058** | **-43,784** | **-15.5** | **38,767** | **31,586** | **-7,181** | **-18.5** |
| Bihar | 15,409 | 12,835 | -2,574 | -16.7 | 2,295 | 1,784 | -511 | -22.3 |
| DVC | 17,299 | 16,339 | -960 | -5.5 | 2,573 | 2,469 | -104 | -4.0 |
| Jharkhand | 7,042 | 6,765 | -277 | -3.9 | 1,263 | 1,172 | -91 | -7.2 |
| Orissa | 25,155 | 24,320 | -835 | -3.3 | 3,968 | 3,694 | -274 | -6.9 |
| West Bengal | 42,143 | 41,842 | -301 | -0.7 | 7,322 | 7,249 | -73 | -1.0 |
| Sikkim | 409 | 409 | 0 | 0.0 | 95 | 95 | 0 | 0.0 |
| Andaman- Nicobar | 241 | 186 | -55 | -23 | 48 | 48 | 0 | 0 |
| **Eastern Region** | **107,457** | **102,510** | **-4,947** | **-4.6** | **16,655** | **15,415** | **-1,240** | **-7.4** |
| Arunachal Pradesh | 589 | 554 | -35 | -5.9 | 116 | 114 | -2 | -1.7 |
| Assam | 6,495 | 6,048 | -447 | -6.9 | 1,197 | 1,148 | -49 | -4.1 |
| Manipur | 574 | 543 | -31 | -5.4 | 122 | 120 | -2 | -1.6 |
| Meghalaya | 1,828 | 1,607 | -221 | -12.1 | 334 | 330 | -4 | -1.2 |
| Mizoram | 406 | 378 | -28 | -6.9 | 75 | 73 | -2 | -2.7 |
| Nagaland | 567 | 535 | -32 | -5.6 | 110 | 109 | -1 | -0.9 |
| Tripura | 1,108 | 1,054 | -54 | -4.9 | 229 | 228 | -1 | -0.4 |
| **North-Eastern Region** | **11,566** | **10,718** | **-848** | **-7.3** | **1,998** | **1,864** | **-134** | **-6.7** |
| **All India** | **998,114** | **911,209** | **-86,905** | **-8.7** | **135,453** | **123,294** | **-12,159** | **-9.0** |

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

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

**Power Supply Position for 2013-14**

| State / System / Region | Energy | | | | Peak | | | |
|---|---|---|---|---|---|---|---|---|
| | April, 2013 - October, 2013 | | | | April, 2013 - October, 2013 | | | |
| | Require-ment | Avail-ability | Surplus /Deficit (-) | | Peak Demand | Peak Met | Surplus / Deficit (-) | |
| | ( MU ) | ( MU ) | ( MU ) | ( % ) | ( MW ) | ( MW ) | ( MW ) | ( % ) |
| Chandigarh | 1,058 | 1,058 | 0 | 0 | 345 | 345 | 0 | 0 |
| Delhi | 17,901 | 17,848 | -53 | -0.3 | 6,035 | 5,653 | -382 | -6.3 |
| Haryana | 28,448 | 28,245 | -203 | -0.7 | 8,114 | 8,114 | 0 | 0.0 |
| Himachal Pradesh | 5,399 | 5,271 | -128 | -2.4 | 1,561 | 1,270 | -291 | -18.6 |
| Jammu & Kashmir | 8,625 | 6,559 | -2,066 | -24.0 | 2,450 | 1,852 | -598 | -24.4 |
| Punjab | 33,860 | 33,183 | -677 | -2.0 | 10,089 | 8,733 | -1,356 | -13.4 |
| Rajasthan | 31,545 | 31,429 | -116 | -0.4 | 8,929 | 8,913 | -16 | -0.2 |
| Uttar Pradesh | 57,178 | 48,931 | -8,247 | -14.4 | 13,089 | 12,115 | -974 | -7.4 |
| Uttarakhand | 7,050 | 6,779 | -271 | -3.8 | 1,760 | 1,709 | -51 | -2.9 |
| **Northern Region** | **191,064** | **179,303** | **-11,761** | **-6.2** | **45,934** | **42,774** | **-3,160** | **-6.9** |
| Chhattisgarh | 11,121 | 11,020 | -101 | -0.9 | 3,365 | 3,320 | -45 | -1.3 |
| Gujarat | 53,062 | 53,054 | -8 | 0.0 | 12,201 | 12,201 | 0 | 0.0 |
| Madhya Pradesh | 26,389 | 26,380 | -9 | 0.0 | 7,663 | 7,663 | 0 | 0.0 |
| Maharashtra | 72,018 | 70,869 | -1,149 | -1.6 | 17,381 | 16,670 | -711 | -4.1 |
| Daman & Diu | 1,339 | 1,339 | 0 | 0.0 | 316 | 291 | -25 | -7.9 |
| Dadar Nagar Haveli | 3,202 | 3,202 | 0 | 0.0 | 661 | 661 | 0 | 0.0 |
| Goa | 2,080 | 2,065 | -15 | -0.7 | 494 | 490 | -4 | -0.8 |
| **Western Region** | **169,211** | **167,929** | **-1,282** | **-0.8** | **38,054** | **37,361** | **-693** | **-1.8** |
| Andhra Pradesh | 55,451 | 50,613 | -4,838 | -8.7 | 14,072 | 11,914 | -2,158 | -15.3 |
| Karnataka | 35,602 | 31,473 | -4,129 | -11.6 | 9,934 | 8,256 | -1,678 | -16.9 |
| Kerala | 12,241 | 11,825 | -416 | -3.4 | 3,538 | 3,233 | -305 | -8.6 |
| Tamil Nadu | 55,564 | 52,181 | -3,383 | -6.1 | 13,380 | 11,877 | -1,503 | -11.2 |
| Pondicherry | 1,427 | 1,403 | -24 | -1.7 | 351 | 332 | -19 | -5.4 |
| Lakshadweep | 28 | 28 | 0 | 0 | 9 | 9 | 0 | 0 |
| **Southern Region** | **160,289** | **147,499** | **-12,790** | **-8.0** | **39,015** | **34,151** | **-4,864** | **-12.5** |
| Bihar | 8,892 | 8,438 | -454 | -5.1 | 2,465 | 2,221 | -244 | -9.9 |
| DVC | 10,042 | 9,986 | -56 | -0.6 | 2,745 | 2,745 | 0 | 0.0 |
| Jharkhand | 4,067 | 3,963 | -104 | -2.6 | 1,111 | 1,069 | -42 | -3.8 |
| Orissa | 14,890 | 14,660 | -230 | -1.5 | 3,727 | 3,722 | -5 | -0.1 |
| West Bengal | 26,706 | 26,628 | -78 | -0.3 | 7,325 | 7,290 | -35 | -0.5 |
| Sikkim | 224 | 224 | 0 | 0.0 | 90 | 90 | 0 | 0.0 |
| Andaman- Nicobar | 140 | 105 | -35 | -25 | 40 | 32 | -8 | -20 |
| **Eastern Region** | **64,821** | **63,899** | **-922** | **-1.4** | **15,885** | **15,528** | **-357** | **-2.2** |
| Arunachal Pradesh | 312 | 291 | -21 | -6.7 | 115 | 113 | -2 | -1.7 |
| Assam | 4,612 | 4,302 | -310 | -6.7 | 1,329 | 1,220 | -109 | -8.2 |
| Manipur | 335 | 318 | -17 | -5.1 | 125 | 124 | -1 | -0.8 |
| Meghalaya | 991 | 902 | -89 | -9.0 | 296 | 286 | -10 | -3.4 |
| Mizoram | 250 | 242 | -8 | -3.2 | 70 | 68 | -2 | -2.9 |
| Nagaland | 339 | 332 | -7 | -2.1 | 109 | 103 | -6 | -5.5 |
| Tripura | 719 | 681 | -38 | -5.3 | 254 | 250 | -4 | -1.6 |
| **North-Eastern Region** | **7,558** | **7,068** | **-490** | **-6.5** | **2,164** | **2,048** | **-116** | **-5.4** |
| **All India** | **592,943** | **565,698** | **-27,245** | **-4.6** | **135,561** | **129,815** | **-5,746** | **-4.2** |

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

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

**Anticipated annual power supply position in each State/ UT for 2013-14**

| State / Region | Energy | | | | Peak | | | |
|---|---|---|---|---|---|---|---|---|
| | Require-ment | Availability | Surplus(+)/Deficit (-) | | Demand | Availability | Surplus(+)/Deficit (-) | |
| | (MU) | (MU) | (MU) | (%) | (MW) | (MW) | (MW) | (%) |
| Chandigarh | 1750 | 1769 | 19 | 1.1 | 370 | 301 | -69 | -18.7 |
| Delhi | 26910 | 39464 | 12554 | 46.7 | 6100 | 6043 | -57 | -0.9 |
| Haryana | 44700 | 51536 | 6836 | 15.3 | 7900 | 8365 | 465 | 5.9 |
| Himachal Pradesh | 9425 | 9682 | 257 | 2.7 | 1540 | 2132 | 592 | 38.4 |
| Jammu & Kashmir | 16240 | 16657 | 417 | 2.6 | 2575 | 2358 | -217 | -8.4 |
| Punjab | 50850 | 40819 | -10031 | -19.7 | 12200 | 9075 | -3125 | -25.6 |
| Rajasthan | 59770 | 50747 | -9023 | -15.1 | 9300 | 8135 | -1165 | -12.5 |
| Uttar Pradesh | 97785 | 80203 | -17582 | -18.0 | 14400 | 11606 | -2794 | -19.4 |
| Uttarakhand | 12455 | 10542 | -1913 | -15.4 | 1900 | 1774 | -126 | -6.6 |
| **Northern Region** | **319885** | **301418** | **-18467** | **-5.8** | **47500** | **46879** | **-621** | **-1.3** |
| Chhattisgarh | 21410 | 21484 | 74 | 0.4 | 3120 | 3236 | 116 | 3.7 |
| Gujarat | 76808 | 81510 | 4702 | 6.1 | 11850 | 11832 | -18 | -0.2 |
| Madhya Pradesh | 59431 | 63112 | 3681 | 6.2 | 9494 | 11432 | 1939 | 20.4 |
| Maharashtra | 118455 | 106880 | -11575 | -9.8 | 18250 | 19738 | 1488 | 8.2 |
| Daman & Diu | 2115 | 2220 | 105 | 5.0 | 262 | 246 | -16 | -5.9 |
| D.N. Haveli | 5315 | 5116 | -199 | -3.7 | 625 | 610 | -15 | -2.5 |
| Goa | 3219 | 3075 | -144 | -4.5 | 460 | 437 | -23 | -4.9 |
| **Western Region** | **286752** | **283396** | **-3356** | **-1.2** | **43456** | **46389** | **2934** | **6.8** |
| Andhra Pradesh | 109293 | 99398 | -9895 | -9.1 | 15955 | 13985 | -1970 | -12.4 |
| Karnataka | 75947 | 58345 | -17602 | -23.2 | 11925 | 8663 | -3262 | -27.4 |
| Kerala | 22384 | 16824 | -5560 | -24.8 | 3731 | 2813 | -918 | -24.6 |
| Tamil Nadu | 99765 | 73323 | -26442 | -26.5 | 14970 | 9871 | -5099 | -34.1 |
| Puducherry | 2451 | 2693 | 242 | 9.9 | 363 | 356 | -7 | -1.8 |
| **Southern Region** | **309840** | **250583** | **-59257** | **-19.1** | **44670** | **33001** | **-11669** | **-26.1** |
| Bihar | 15268 | 12361 | -2906 | -19.0 | 2750 | 1954 | -796 | -29.0 |
| DVC | 19605 | 24740 | 5135 | 26.2 | 2800 | 4354 | 1554 | 55.5 |
| Jharkhand | 8609 | 8022 | -587 | -6.8 | 1285 | 1381 | 96 | 7.5 |
| Orissa | 27130 | 26911 | -219 | -0.8 | 3800 | 4238 | 438 | 11.5 |
| West Bengal | 48489 | 58965 | 10476 | 21.6 | 8045 | 8338 | 293 | 3.7 |
| Sikkim | 531 | 881 | 350 | 65.8 | 125 | 163 | 38 | 30.0 |
| **Eastern Region** | **119632** | **131880** | **12248** | **10.2** | **18257** | **19700** | **1443** | **7.9** |
| Arunachal Pradesh | 655 | 539 | -116 | -17.7 | 135 | 128 | -7 | -5.2 |
| Assam | 7031 | 5647 | -1384 | -19.7 | 1368 | 1046 | -322 | -23.5 |
| Manipur | 596 | 659 | 63 | 10.6 | 146 | 140 | -6 | -4.1 |
| Meghalaya | 1905 | 2063 | 158 | 8.3 | 369 | 359 | -10 | -2.7 |
| Mizoram | 430 | 505 | 75 | 17.5 | 82 | 92 | 10 | 12.2 |
| Nagaland | 591 | 558 | -33 | -5.6 | 125 | 114 | -11 | -8.8 |
| Tripura | 1216 | 1052 | -164 | -13.5 | 355 | 301 | -54 | -15.2 |
| **North-Eastern Region** | **12424** | **11024** | **-1400** | **-11.3** | **2251** | **2025** | **-226** | **-10.0** |
| **All India** | **1048533** | **978301** | **-70232** | **-6.7** | **144225** | **140964** | **-3261** | **-2.3** |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 105 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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| Details of Peak Demand and Total Share of the States from Central Generating Stations | | |
|---|---|---|
| Region / State | Peak Demand (MW ( October 2013) | Total MW share from CGS (As on 31.10.2013) |
| Chandigarh | 245 | 219 |
| Delhi | 4495 | 4394 |
| Haryana | 6430 | 2405 |
| Himachal Pradesh | 1428 | 1031 |
| Jammu & Kashmir | 2320 | 1794 |
| Punjab | 7332 | 2463 |
| Rajasthan | 7899 | 2704 |
| Uttar Pradesh | 12134 | 5882 |
| Uttarakhand | 1670 | 876 |
| Chhattisgarh | 2935 | 1127 |
| Gujarat | 11175 | 3368 |
| Madhya Pradesh | 7663 | 4512 |
| Maharashtra | 16575 | 6649 |
| Daman & Diu | 316 | 317 |
| Dadar Nagar Haveli | 660 | 827 |
| Goa | 434 | 491 |
| Andhra Pradesh | 12320 | 3694 |
| Karnataka | 8803 | 1882 |
| Kerala | 3432 | 1644 |
| Tamil Nadu | 12388 | 4105 |
| Puducherry | 350 | 390 |
| Bihar | 2371 | 1940 |
| Jharkhand | 1111 | 543 |
| Odisha | 3596 | 1697 |
| West Bengal | 6670 | 1548 |
| Sikkim | 90 | 149 |
| Arunachal Pradesh | 115 | 133 |
| Assam | 1266 | 733 |
| Manipur | 114 | 123 |
| Meghalaya | 278 | 206 |
| Mizoram | 61 | 74 |
| Nagaland | 99 | 79 |
| Tripura | 254 | 105 |

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ANNEX-III

ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 105 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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List of Hydro-Electric Schemes under Examination

| S. No. | Scheme | Sector | Agency | Units x MW | Installed Capacity (MW) |
|---|---|---|---|---|---|
| | Jammu & Kashmir | | | | |
| 1 | Kiru | Joint Venture | CVPP | 4x165 | 660 |
| 2 | New Ganderwal | State | JKPDC | 3x31 | 93 |
| 3 | Kirthai-I | State | JKPDC | 4x95+1x10 | 390 |
| | Himachal Pradesh | | | | |
| 4 | Seli | Private | SHPCL | 4x100 | 400 |
| 5 | Chhatru | Private | DSC | 3x42 | 126 |
| 6 | Luhri | Central | SJVNL | 3x196 | 588 |
| 7 | Chango Yangthang | Private | MPCL | 3x46.67 | 140 |
| 8 | Sach Khas | Private | L&T HHPL | 3x86.67+1x7 | 267 |
| | Uttarakhand | | | | |
| 9 | Jelam Tamak | Central | THDCIL | 3x36 | 108 |
| 10 | Bowala Nand Paryag | State | UJVNL | 4x75 | 300 |
| | Bihar | | | | |
| 11 | Dagamara | State | BSHPCL | 17x7.65 | 130 |
| | Nagaland | | | | |
| 12 | Dikhu | Private | NMESPL | 3x62 | 186 |
| | Assam | | | | |
| 13 | Lower Kopli | State | APGCL | 2x55+1x5+2x 2.5 | 120 |
| | Meghalaya | | | | |
| 14 | Kynshi-I | Private | Athena Kyunshi Pvt. Ltd. | 2x135 | 270 |
| 15 | Umngot | State | MePGCL | 3x80 | 240 |
| | Arunachal Pradesh | | | | |
| 16 | Kalai –II | Private | Kalai PPL | 6x200 | 1200 |
| 17 | Demwe Upper | Private | LUPL | 5x206+1x50 | 1080 |
| 18 | Tagurshit | Private | LTAHPL | 3x24.67 | 74 |
| 19 | Nyukcharong Chu | Private | SNCPCL | 3x32 | 96 |
| 20 | Tato-I | Private | SHPPL | 3x62 | 186 |
| 21 | Heo | Private | HHPPL | 3x80 | 240 |
| 22 | Subansiri Middle (Kamla) | Private | M/s KHEPCL | 8x216+2x36 | 1800 |
| 23 | Magochu | Private | M/s SMCPCL | 3x32 | 96 |
| | **Total** | | | | **8790** |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.109**
TO BE ANSWERED ON 05.12.2013

## COMPLIANCE OF ELECTRICITY ACT, 2003

†109. SHRI PASHUPATI NATH SINGH:

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

(a) whether any central body/authority has been constituted for ensuring proper compliance of the provisions of the Electricity Act, 2003;

(b) if so, the details thereof; and

(c) if not, the reasons therefor?

## A N S W E R

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

( SHRI JYOTIRADITYA M. SCINDIA )

**(a) to (c)**: Under the Electricity Act, 2003, the Appropriate Commission which includes Central Electricity Regulatory Commission (CERC), State Electricity Regulatory Commissions(SERCs)/Joint Electricity Regulatory Commissions(JERCs), Central Electricity Authority (CEA), the Load Despatch Centres and District Committees have the responsibilities inter-alia of monitoring different aspects of the working of various provisions of the Electricity Act. The relevant provisions of the Act, viz., sections 79 and 86 deals with the functions of Central Electricity Regulatory Commission (CERC) and State Electricity Regulatory Commissions (SERCs) respectively, Section 73 deals with the functions of CEA, Sections 28 and 32 deals with the functions of Load Despatch Centres and Section 166 (5) deals with the District Committees.

Further, the Appropriate Commission has powers under Section 142 of the Act to impose penalty against any person for contravention of the provisions of the Act, policies, rules and regulations framed under the Act. The Commission has also the power under Section 143 of the Act to impose penalty on any person for non-compliance of the directions of Regional Load Despatch Centre (RLDC).

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.121**
TO BE ANSWERED ON 05.12.2013

**SETTING UP OF UMPP**

†121. DR. MURLI MANOHAR JOSHI:
SHRI ARJUN RAY:
SHRI S.S. RAMASUBBU:

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

(a) whether the Government had launched an initiative in the year 2005 to setup Ultra Mega Power Projects (UMPPs) for power generation in the country;

(b) if so, the details thereof including the locations identified for setting up of UMPPs along with the power generation capacity of each of them, project/Statewise;

(c) the present status of each of these UMPPs including those being setup/proposed to be setup in Tamil Nadu and the details of arrangements made/being made for fuel supply to these UMPPs;

(d) the reasons for the delay in setting up of these UMPPs and the efforts made by the Government to expedite the completion of these projects; and

(e) the time by which these projects are likely to be commissioned?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) to (c) : The Ministry of Power has launched an initiative for the development of coal based Ultra Mega Power Projects (UMPPs), each of about 4000 MW capacity, in various states through tariff based competitive bidding. Sixteen UMPPs have been identified in various parts of the country. Of these, eight UMPPs are based on domestic coal from captive coal blocks to be allocated by Ministry of Coal and eight based on imported coal, to be arranged by developer. Out of eight based on domestic coal blocks, blocks have been allocated/identified for six UMPPs. Details of all UMPPs are at **Annex-I.**

(d) : The reasons for delay in setting up of these UMPPs are non-finalization of sites by host states, delay in transfer/acquisition of land, new regulation outside India pertaining to export of coal, forest related issues particularly categorization of Go/No-Go area, delay in environment and forest clearances etc. The issues have been taken up with the concerned Ministry/Department and State Governments for early resolution.

(e) : List of awarded UMPPs along with details of commissioning schedule as per Power Purchase Agreements (PPAs) is at **Annex-II**.

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**ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 121 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.**

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**A. Awarded UMPPs.**

| Sl. No. | UMPP (Capacity) | Location | Status | Fuel Arrangement |
|---|---|---|---|---|
| | | | **Madhya Pradesh** | |
| 1. | Sasan (6x660MW) | Sasan in district Singrauli, Madhya Pradesh | Project awarded and transferred to M/s Reliance Power Ltd. on 07.08.2007. First unit of Sasan UMPP (660 MW) is commissioned in May, 2013. | Moher(402 MT), Moher-Amlohri Extension (198 MT) and Chhatrasal (160 MT) coal blocks |
| | | | **Gujarat** | |
| 2. | Mundra (5x800MW) | Mundra in village Tundawand in district Kutch, Gujarat | Project awarded and transferred to M/s Tata power Ltd. on 24.4.2007. Mundra UMPP is fully commissioned and is generating electricity | Imported Coal (Arranged by the Developer) |
| | | | **Andhra Pradesh** | |
| 3. | Krishnapatnam (6x660MW) | Krishnapa-tnam in district Nellore, Andhra Pradesh | The project was handed over to Reliance Power Ltd. on 29.01.2008 at the levelised tariff of Rs. 2.33/kWh. The developer has stopped work at site, citing new regulation of coal pricing in Indonesia. Lead Procurer namely APSPDCL has issued termination notice to CAPL stating that in view of the defaults and anticipatory breach having no alternative, the procurers together decided and elect to terminate the agreement. CAPL approached Hon'ble High Court of Delhi. Hon'ble High Court of Delhi has dismissed CAPL's petition. CAPL has approached Division Bench, Delhi High Court and Indian Arbitrator Council. Another petition is lying in CERC also. The case is subjudice. | Imported Coal (Arranged by the Developer) |
| | | | **Jharkhand** | |
| 4. | Tilaiya (6x660MW) | Near Tilaiya village in Hazaribagh and Koderma Districts, Jharkhand | Project awarded and transferred on 7.8.2009 to M/s Reliance Power Ltd. Construction of the plant is held up as the land has not been handed over to the developer by Jharkhand Government. | Kerandari B&C (972 MT) Coal Blocks in North Karanpura coal field |

**B. Other UMPPs**

| | | | | |
|---|---|---|---|---|
| | | | **Odisha** | |
| 5. | Bedabahal (4000MW) | Near Bedabahal in Sundergarh district, Orissa | The site for this UMPP is in village Bedabahal in Sundergarh district. Request for Qualification (RfQ) has been issued on 25.9.2013. | Meenakshi (285 MT), Meenakshi B (250 MT), Dip Side of Meenakshi (350 MT) coal blocks |
| 6. | 1st additional UMPP in Orissa (4000MW) | Sites at Bijoypatna in Chandbali Tehsil of Bhadrak district has been identified. | -- | Bankhui (800 MT) coal block |
| 7. | 2nd additional UMPP in Orissa (4000MW) | Sites at Narla&Kasing, a sub division of kalahandi district for inland location has been identified. | -- | Ghogarpalli and Ghogarpalli dip side coal blocks (identified) |

.....2.

| | | | | |
|---|---|---|---|---|
| **Chhattisgarh** | | | | |
| 8. | Chhattisgarh (4000MW) | Near Salka & Khameria villages in District Surguja, Chhattisgarh | The site for this UMPP is in district Sarguja. RfQ for this UMPP was issued on 15.3.2010. MoEF had informed that the captive coal blocks are in inviolate areas. Matter is being taken up with MoEF for clearance of Coal Blocks. In view of the above, Ministry decided that RfQ for the project to be issued afresh on the revised SBDs only on clearance of coal blocks allocated to Chhattisgarh UMPP or allocation of new coal blocks. Accordingly, the RfQ for 4000 MW Chhattisgarh UMPP issued on 15.3.2010 has been withdrawn. | Pindarakhi (421.51 MT) and PutaParogia (692.16 MT) coal blocks |
| **Tamil Nadu** | | | | |
| 9. | Tamil Nadu (4000MW) | Village Cheyyur, District Kancheepuram, Tamil Nadu | The site at Cheyyur in Kanchipuram district in Tamil Nadu has been identified along with captive port at Panaiyur village. RfQ for this UMPP has been issued on 26.9.2013. | Imported Coal (To be arranged by the Developer) |
| 10. | 2nd Tamil Nadu UMPP (4000MW) | Not finalized | -- | Imported Coal (To be arranged by the Developer) |
| **Andhra Pradesh** | | | | |
| 11. | 2nd Andhra Pradesh UMPP (4000MW) | Village Nayunipalli, District Prakasam, Andhra Pradesh | The site has been finalized at Nyunipalli village in Prakasham district of Andhra Pradesh | Imported Coal (To be arranged by the Developer) |
| **Jharkhand** | | | | |
| 12. | 2nd Jharkhand UMPP (4000MW) | Site at Husainabad, DeogharDistt has been identified. | -- | Captive Coal Blocks. |
| **Gujarat** | | | | |
| 13. | 2nd Gujarat UMPP (4000MW) | Not finalized | -- | Imported Coal (To be arranged by the Developer) |
| **Karnataka** | | | | |
| 14. | Karnataka (4000MW) | State Govt. has identified a suitable site in Niddodi village of Mangalore taluka Dakshina Kannada District. | -- | Imported Coal (To be arranged by the Developer) |
| **Maharashtra** | | | | |
| 15. | Maharashtra (4000MW) | Not finalized | -- | Imported Coal (To be arranged by the Developer) |
| **Bihar** | | | | |
| 16. | Bihar(4000MW) | site at Kakwara in Banka Distt has been identified. | -- | Captive Coal Blocks. |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 121 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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| Sl. No. | Name UMPP | Schedule Commercial Operation Date (COD) as per PPA. | Actual COD |
|---|---|---|---|
| 1. | Mundra UMPP Gujarat | Unit-1 : 08/12<br>Unit-2 : 02/13<br>Unit-3 : 08/13<br>Unit-4 : 02/14<br>Unit-5 : 08/14 | Unit-1 : 07.03.2012<br>Unit-2 : 30.7.2012<br>Unit-3 : 27.10.2012<br>Unit-4 : 21.01.2013<br>Unit-5 : 22.03.2013.<br>Mundra UMPP is fully commissioned and is generating electricity |
| 2. | Sasan UMPP, Madhya Pradesh | Unit-1 : 05/13<br>Unit-2 : 12/13<br>Unit-3 : 07/14<br>Unit-4 : 02/15<br>Unit -5 : 09/15<br>Unit-6 : 04/16 | Unit-1 : 06.05.2013.<br>Unit-2 : 12/13<br>Unit-3 : 07/14<br>Unit-4 : 02/15<br>Unit -5 : 09/15<br>Unit-6 : 04/16 |
| 3 | Krishnapatnam UMPP, Andhra Pradesh | Unit-1 : 06/13<br>Unit-2 : 10/13<br>Unit-3 : 02/14<br>Unit-4 :06/14<br>Unit-5 : 10/14<br>Unit-6 : 02/15 | The developer has stopped the construction. The procurers have issued termination notice. The matter is subjudice. |
| 4. | Tilaiya UMPP, Jharkhand | Unit-1 : 05/15<br>Unit-2 : 10/15<br>Unit-3 : 03/16<br>Unit-4 : 08/16<br>Unit -5 : 01/17<br>Unit-6 : 06/17 | Construction of the plant is yet to be started as the land has not been handed over to the developer by Jharkhand Government. |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.125
TO BE ANSWERED ON 05.12.2013

PROFIT OF NTPC

†125. SHRI DINESH CHANDRA YADAV:
SHRI ANANTKUMAR HEGDE:

Will the Minister of POWER
be pleased to state:

(a) the profit earned or loss incurred by the National Thermal Power Corporation Limited (NTPC) during each of the last three years and the first half of the current year;

(b) whether the profits earned by NTPC has declined during the first half of the current year due to decline in production of power;

(c) if so, the extent of decline in production from the month of April to September in the current year *vis-a-vis* the production during the same period of the last year and the reasons therefor; and

(d) the steps being taken/proposed to be 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) : Profit earned by NTPC during last three years and the first half of the current year are as under:

| Year | Profit (Rs. Crore) |
|---|---|
| 2010-11 | 9102.59 |
| 2011-12 | 9223.73 |
| 2012-13 | 12619.39 |
| 2013-14 (Upto September, 2013) | 5019.92 |

(b) : Profit of the first half of current year of NTPC has not declined due to decrease in production of power (generation) when compared to the corresponding period of 2012-13 (i.e., 1st half of 2012-13).

(c) & (d) : In view of above (b) does not arise.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.132**
TO BE ANSWERED ON 05.12.2013

**CLEARANCE FOR POWER PROJECTS**

132. SHRI BHARTRUHARI MAHTAB:
SHRIMATI SUMITRA MAHAJAN:
SHRI C. RAJENDRAN:
SHRIMATI PUTUL KUMARI:
SHRI ARVIND KUMAR CHAUDHARY:
SHRIMATI SUSMITA BAURI:

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

(a) the details of power projects held up at various stages of construction along with the details of such power projects that have been accorded environmental and other clearances during the last three years and the current year, capacity-wise and State-wise;

(b) whether the stressful economic scenario is forcing the entrepreneurs to exit from various power projects and if so, the details thereof along with the reaction of the Government thereto including the steps being taken thereon;

(c) the details of cost escalation of various power projects due to delay in their completion, project-wise along with the corrective measures being taken by the Government to complete the pending power projects on time, State-wise particularly in Tamil Nadu;

(d) whether power project developers are facing difficulties in procuring fuel for power generation; and

(e) if so, the details thereof and the reasons therefor along with the steps taken by the Government to ensure sufficient supply of fuel for these projects and to address all the problems being faced by the power projects?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) : The details of the Power Projects(Hydro and Thermal) held up due to various reasons are at **Annex–I(a).**

The details of projects accorded environmental and other clearances during the last three years and the current year, capacity – wise and State – wise are at **Annex–I(b) (Thermal) and Annex-I(c) (Hydro).**

(b) : No such information has been reported to Ministry of Power.

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(c) : The details of cost escalation of various hydro power projects (above 25MW) due to delay in completion, project-wise are enclosed at **Annex–II(a)** & details of cost escalation of under construction thermal projects are at **Annex–II(b)**.

The corrective measures taken by the Government to ensure that the power projects are commissioned on time are as under:

- Government has constituted Cabinet Committee on Investment (CCI) for expeditious clearances. A Project Monitoring Group (PMG) has also been set up to pursue stalled projects with line Ministries/Dept. of GOI and State Govt. to expedite the clearances and quick implementation of the projects.

- Central Electricity Authority (CEA) is monitoring the power projects. The progress of each project is monitored continuously through frequent site visits, interaction with the developers and critical study of monthly progress reports.

- A Power Project Monitoring Panel (PPMP) has been set up by the Ministry of Power to independently follow up and monitor the progress of the hydro/thermal projects.

- Review meetings are taken by Ministry regularly with the concerned officers of CEA, equipment manufacturers, State Utilities/CPSUs/Project developers, etc.

**(d) & (e) :** Following steps have been taken to ensure sufficient supply of coal for thermal power projects:

(i) Government had approved the following in June 2013:

a. taking into account the overall domestic availability and actual requirements, FSAs to be signed for domestic coal component for the levy of disincentive at the quantity of 65%, 65%, 67% and 75% of Annual Contracted Quantity (ACQ) for the remaining four years of the 12th Plan for 78000 MW identified capacity.

b. to meet its balance FSA obligations, CIL may import coal and supply the same to the willing TPPs on cost plus basis. TPPs may also import coal themselves if they so opt.

(ii) Coal blocks allocated to power sector are being reviewed regularly to bring these into production at the earliest.

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ANNEX-I(a)

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 132 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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| Details of Projects held up at various stages of construction | | | | | |
|---|---|---|---|---|---|
| **S.No** | **State** | **Project Name** | **Impl Agency** | **Cap. (MW)** | **Brief status** |
| 1 | Arunachal Pradesh | Subansiri Lower | NHPC | 2000 | Since 16.12.2011 works stopped due to agitation by Anti-dam activists an count of fears over downstream impacts. |
| 2 | Uttarakhand | Shrinagar | GVK Industries | 330 | Works stopped by MOEF on 30.05.2011.<br>- Issues involved are submergence of Dhari Devi temple. |
| 3 | Madhya Pradesh | Maheshwar | SMHPCL | 400 | Cash Flow problem and R&R issues |
| 4 | *Chhattisgarh* | Lanco Amarkantak TPS-II | LAP Pvt. Ltd. | 1320 | Work is held up due Financial problems |
| 5 | *Jharkhand* | Maitrishi Usha TPP-Ph-I & Ph II | Corporate Power Ltd | 1080 | Work held up due to financial problems. |
| 6 | *Maharashtra* | Amravati TPP Ph-II | India Bulls | 1350 | No work is going on at site. |
| 7 | *Maharashtra* | Nasik TPP Ph-II | India Bulls | 1350 | No work is going on at site. |
| 8 | *Maharashtra* | Lanco Vidarbha TPP | Lanco Vidarbha | 1320 | Work is held up due Financial problems. |
| 9 | *MP* | Gorgi TPP (DB Power) | DB Power | 660 | No work is going at the site. |
| 10 | *Orissa* | KVK Nilanc-hal TPP | KVK Nilanchal | 1050 | Work is under hold due to stay by Hon'ble High Court of Orissa. |
| 11 | *Orissa* | Lanco Babandh TPP | Lanco Babandh Power Ltd | 1320 | Work is held up due Financial problems. |
| | | **Total** | | **12180** | |

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ANNEX-I(b)
(Thermal)

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 132 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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List of Thermal Power Projects Granted Environment Clearance During the last three years and the current year

| Sr No | State | Project Name | Plant capacity (MW) | District | Company | EC approval date |
|---|---|---|---|---|---|---|
| 1 | Chhattisgarh | Expansion of 1000 MW (4x250 MW) by addition of 4x600 MW (2400 MW) Coal Based Thermal Power Plant | 2400 | Raigarh | Jindal group - Jindal Power Ltd. | 18-Mar-11 |
| 2 | Chhattisgarh | 1320 MW Coal based TPP | 1320 | Janjgir-Champa | D.B. Power Ltd. | 16-Dec-10 |
| 3 | Chhattisgarh | 1200 MW Coal based TPP | 1200 | Raigarh | Ispat - SKS Ispat and Power Ltd. | 5-Oct-10 |
| 4 | Chhattisgarh | 2x300 MW Coal based TPP | 600 | Raigarh | Korba West Power Co.Ltd. (Avantha) | 20-May-10 |
| 5 | Chhattisgarh | 660 MW Coal based Thermal power Project at Paraghat & Beltukri vill. | 660 | Bilaspur | TRN Energy Pvt. Ltd | 18-Mar-11 |
| 6 | Chhattisgarh | 2x800 MW Lara STPP at Raigarh | 1600 | Raigarh | M/s NTPC Ltd. | 13-Dec-12 |
| 7 | Chhattisgarh | 2x660 MW Coal Based Thermal Power Plant at Village Salka in Prem Nagar | 1320 | Surguja | M/s IFFCO Chhattisgarh Power Ltd. | 16.3.12 |
| 8 | Chhattisgarh | 2x660 MW to 2x685 MW Coal Based Super Critical at village - Raikheda | 1370 | Raipur | M/s GMR Energy Ltd. | 9.5.11 |
| 9 | Chhattisgarh | 2x660 Super Thermal Power Project at Raigarh | 1320 | Raigarh | M/s Visa Power Ltd. | 2.8.11 |
| 10 | Chhattisgarh | 2x660 Super Critical Coal based TPP | 1320 | Raigarh | M/s JSW Energy Ltd, | 7.3.12 |
| 11 | Jharkhand | 2x330 MW/4x135 MW Coal based TPP | 660 | Latehar | Corporate Power Ltd. | 11-Nov-10 |
| 12 | Jharkhand | 2x660 MW Coal Based Captive TPP at villages Nipania and Pankaghat, in Sunder Pahari Taluk | 1320 | Godda | M/s Jindal Steel & Power Ltd. | 22-Dec-10 |
| 13 | Madhya Pradesh | 1320 MW coal based TPP | 1320 | Sidhi | D.B. Power (MP) Ltd. | 9-Sep-10 |
| 14 | Madhya Pradesh | 1200 MW TPP | 1200 | Anuppur | Moserbaer Ltd. | 28-May-10 |
| 15 | Maharashtra | 1X300 MW Phase-2 TPP in Warora | 600 | Chandrapur | GMR Energy Limited (EMCO) | 25-May-10 |
| 16 | Maharashtra | Expansion from 1320 MW to 3300 MW by addition of 3x660 MW Coal Based Thermal Power Plant | 1980 | Gondia | Adani Power Maharashtra Pvt.Ltd | 22-Apr-10 |
| 17 | Maharashtra | 2x660 MW Coal based TPP at Sinnar | 1320 | Nashik | Indiabulls Realtech Ltd. | 28-Jul-10 |
| 18 | Maharashtra | 5x 270 Expansion Nasik TPP by setting up additional units under st.II | 1350 | Nasik | M/s Indiabulls Power Ltd | 5.8.11 |
| 19 | Maharashtra | 1x660 MW (Unit- VI) Super-Critical Technology Coal Based TPP | 660 | Jalgaon | M/s Maharashtra State Power Generation Co. Ltd. | 27-Nov-12 |
| 20 | Maharashtra | 2x300 MW and 1x660 MW Coal Based TPP | 1260 | Yavatmal | M/s Jinbhuvish Power Generations Pvt. Ltd. | 30-Jul-12 |
| 21 | Maharashtra | 5x270 Expansion of Amrawati TPP by additional units under St,II at Nandgaonpethj | 1350 | Amravati | M/s Indiabulls Power Ltd | 27.5.11 |
| 22 | Maharashtra | 300 MW TPP expansion Phase-II | 300 | Chandrapur | GMR Energy Limited (EMCO) | 25-May-10 |
| 23 | Maharashtra | 1320 MW Theremal Power Project near Mandva vill. | 1320 | Wardha | Lanco Mahanadi Power private Ltd | 24-Feb-11 |
| 24 | Maharashtra | 2X660 MW TPP Near Mauda | 1320 | Nagpur | NTPC Ltd. | 30-Dec-10 |
| 25 | Andhra Pradesh | Expansion of 600 MW to 2x600 MW Coal Based TPP at Jaipur | 600 | Krishna | Singareni Collieries Company Ltd | 27-Dec-10 |
| 26 | Bihar | Nabinagar thermal power plant | 1980 | Bihar-Aurangabad | NTPC Ltd. | 27-Dec-10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 27 | Rajasthan | 1320 MW (2 x 660 MW) TPP at Kawai Thermal Power Station | 1320 | Baran | Adani Power Rajasthan Ltd. | 4-May-11 |
| 28 | Jharkhand | Expansion of existing 1x270 MW by addition of 3x270 MW coal based TPP at village Padampur | 3x270 | Saraikela-Kharsawan | M/s Adhunik Power & Natural Resources Ltd. | 9.5.11 |
| 29 | Jharkhand | 1x600MW (Unit-II of Phase-I)and 1x600 MW (Phase-II) of 1800 MW Imported Coal Based TPP | 1200 | Latehar | M/s. Essar Power Jharkhand Ltd | 14-Nov-13 |
| 30 | Karnataka | 2x210 MW Imported Coal Based Captive Thermal Power Plant at KIADB Industrial Area | 420 | Raichur | Surana Power Ltd. | 9-Sep-10 |
| 31 | Maharashtra | 2x660 MW Super TPP | 1320 | Solapur | NTPC Ltd. | 27-Dec-10 |
| 32 | Tamil Nadu | 4000 MW Coal based TPP captive Port and Desalination Plant near Cuddalore | 4000 | Cuddalore | IL and FS Ltd. | 31-May-10 |
| 33 | Tamil Nadu | 1X660 MW Super Critical Coal Thermal Power Plant (TPP) | 660 | Tuticorin | India-Barath Power (Madras) Ltd | 12-Jul-10 |
| 34 | Tamil Nadu | 2x500 MW TPP at Neyveli Town | 1000 | Cuddalore | Neyveli Lignite Corporation Ltd. | 21-Oct-10 |
| 35 | Tamil Nadu | 1x525 MW imported coal based TPP Stage-IV at Tuticorin | 525 | Tuticorin | Spic Electric Power Corporation Pvt. Ltd. | 3-Nov-10 |
| 36 | Tamil Nadu | 2x660 MW TPP | 1320 | Nagapattinam | Chettinad Power Corportion | 20-Jan-11 |
| 37 | Tamil Nadu | 2x660 MW Thermal Merchant Power Plant | 1320 | Nagapattinam | NSL Power Ltd. | 13-Oct-10 |
| 38 | Gujarat | 2x660 MW TPP Ph-III, at Tunda , Mundra | 1320 | Kutch | Adani Power Ltd. | 20-May-10 |
| 39 | Madhya pradesh | 3960 MW PP at Chitrangi Sidhi | 3960 | Singrauli | Reliance - Chitrangi Power Pvt. Ltd. | 28-May-10 |
| 40 | Andhra Pradesh | 2X660 MW Super Critical Imported Coal Based Thermal Power Plant at villages Painampuram & Sivarampuram, in Muthukur Mandal | 1320 | Nellore | Nelcast Energy Corporation Ltd. | 30-Sep-10 |
| 41 | Uttar Pradesh | Feroz Gandhi Unchahar thermal Power Project- Stage-IV (500MW) | 500 | Rae Bareli | M/s. NTPC, Unchahar | 10-May-13 |
| 42 | Uttar Pradesh | 2x660 MW Coal Based Thermal Power Plant | 1320 | Rama Bai Nagar | M/s Lanco Anpara Power Ltd. | 24-Aug-12 |
| 43 | Uttar Pradesh | 1320 MW (2x660 MW) Coal Based TPP | 1320 | Rama Bai Nagar | M/s Himavat Power Pvt. Ltd. | 3-Aug-12 |
| 44 | Uttar Pradesh | 3X660 MW Coal based TP in Teshil Lalitpur | 1980 | Lalitpur | Lalitpur Power Generation Company Ltd. (UPPCL) | 31-Mar-11 |
| 45 | Uttar Pradesh | Tanda Thermal Power Project , Stage-II (2X660 MW) at village Bahadurpur | 1320 | Ambedkar Nagar | NTPC Ltd. | 13-Apr-11 |
| 46 | Orrisa | Proposed 2x660mw Super Critical coal based thermal power plant | 1320 | Angule | NSL Nagapatnam Power & Infratech Pvt. Ltd. | 25-Mar-13 |
| 47 | Orissa | 4x250 MW TPP in Cuttack | 1000 | Cuttack | M/s Visa Power Ltd. | 17.1.12 |
| 48 | Orrisa | 2x525 MW Coal based Thermal Power Plant at Village Malibrahmani | 1050 | Angul | Ispat - Monnet Power Company Ltd. | 29-Jun-10 |
| 49 | Orrisa | 2x660 MW TPP in Cuttack | 1320 | Cuttack | M/s Visa Power Ltd. | 17-Jan-12 |
| 50 | Orissa | Expansion by Addition of 1 x 350 MW Coal based TPP at Kamalanga | 350 | Dhenkandal | M/s GMR Kamalanga Energy Pvt. Ltd. | 5.12.11 |
| 51 | Orrisa | 1X660 MW at Narajmarthapur | 660 | Cuttack | Tata Power Company Ltd. | 15-Feb-11 |
| 52 | Andhra Pradeh | Coal Fired TPP | 1980 | Nellore | M/s Kineta Power Pvt. Ltd | 25.1.12 |
| 53 | Bihar | 4x660 Coal based TPP at village Siriya | 2640 | Banka | Jas Infrastructure Capital Pvt. Ltd. | 1.7.11 |
| 54 | Gujarat | 2x660 MW Coal Based Thermal Power Plant | 1320 | Junagadh | M/s Shapoorji Pallonji Energy (Gujarat) Pvt. Ltd. | 30-Nov-12 |
| 55 | Gujarat | 6x660 MW (3960 MW) Super-Critical Technology Imported Coal Based TPP | 3960 | Jamnagar | M/s Universal Crescent Power Pvt. Ltd. | 27-Nov-12 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 56 | Gujarat | 1300 MW gas based PP near Vaghel Village, | 1300 | Patna | M/s DMICDC Vaghel Power Co. Limited. | 30-Jul-12 |
| 57 | Gujarat | 4x660 Coal Based Thermal Power Plant at Dahej | 2640 | Bharuch | M/s Adani Power Dahej Ltd. | 25.10.11 |
| 58 | Gujarat | 2x660 Coal Based super TPP at Sanghipuram | 1320 | Kutch | Sanghi Energy Ltd. | 7.6.2011 |
| 59 | Karnataka | 3x800 STPP State-I at Kudgi | 2400 | Bijapur | M/s NTPC Ltd. | 25.1.12 |
| 60 | Karnataka | 500 MW Coal based TPP at Hassan | 500 | Hassan | M/s HTP(P) Ltd. | 17.2.12 |
| 61 | Tamil Nadu | 1x150 MW Imported Coal Fired Based Thermal Power Plant | 150 | NagapattinamÂ | M/s Nagapattinam Energy Pvt. Ltd. | 29-Nov-12 |
| 62 | Tamil Nadu | 1x150 MW Power Project at Sirupulalpettal | 150 | Thiruvallur | M/s Accord Energy Corporation Pvt. Ltd. | 18.5.11 |
| 63 | Tamil Nadu | 2x800 MW super critical imported and domestic coal based TPP | 1600 | Thoothukkudi | M/s Udangudi Power Corporation Ltd. | 14-Oct-13 |
| 64 | Tamil Nadu | 4000 MW Cheyyur UMPP | 4000 | Kancheepuram | M/s Coastal Tamil Nadu Power Ltd. | 30-Sep-13 |
| 65 | Tamil Nadu | 3x660 MW Coal Based TPP at Agaraperunthottam, Keelaiyur and Perunthottam Pandaravadai Villages, Sirkazhi Taluk, | 1980 | Nagapatinam | M/s Sindya Power Generating Company Pvt. Ltd. | 8-Mar-13 |
| 66 | Tamil Nadu | 3x600 MW TPP at Chidambaram | 1800 | Cuddalore | M/s SRM Energy Ltd. | 18.5.11 |
| 67 | West Bengal | 2x500 MW + 20% - Ph-II Sagardighi Thermal Power Projects | 1000 | Murshidabad | M/s WBPDCL | 18.5.11 |
| 68 | Madhya Pradesh | 2x660 MW Coal Based Super Critical TPP | 1320 | Anuppur | M/s Welspun Energy Anuppur Pvt. Ltd. | 27-Nov-12 |
| 69 | Madhya Pradesh | 2x800mw Gardarwara STPP, Stage-I Super Thermal Power Plant | 1600 | | M/s. NTPC Ltd. | 22-Mar-13 |
| 70 | Madhya Pradesh | 2X660 MW Coal based Pench TPP at Village Dhanora | 1320 | Chhindwara | M/s Adani Pench Power Ltd. | 16-Oct-12 |
| 71 | Madhya Pradesh | Proposed 1980 MW (3x660 MW) Coal Based TPP | 1980 | Katni | M/s Welspun Energy Madhya Pradesh Ltd. | 1-Jun-12 |
| 72 | Madhya Pradesh | 1x500 MW Vindhyachal STPP, Stage-V | 500 | Singrauli | M/s NTPC Ltd. | 2-May-12 |
| 73 | Rajasthan | Expansion by addition of 1x250 MW Lignite Based Barsingsar Thermal Power Plant | 250 | Barsingsar | M/s Neyveli Lignite Corporation Ltd. | 30-Jul-12 |
| 74 | Rajasthan | 2x660 MW Coal based TPP, St-V at Suratgarh | 1320 | Sriganaganagar | Rajasthan Rajya Vidyut Utpadan Nigam Ltd. | 23-May-12 |
| 75 | Rajasthan | 2x660 MW Coal based TPP, St-II at Chhabra | 1320 | Baran | M/s Rajasthan Rajya Vidyut Utpadan Nigam Ltd. | 23-May-12 |
| 76 | West Bengal | 2x500 MW+20% Stage-II Raghunathpur TPP at Raghunathpur | 1000 | Purulia | M/s DVC | 23-May-12 |
| 77 | Assam | 70MW Lakwa replacement Power Project (LRPP) of Assam Power Generation Corporation Limited. | 700 | Sivanagar | Assam Power Generation Corporation Limited | 14-Oct-13 |
| | | Total | 103525 | | | |

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ANNEX-I(c)
(Hydro)

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 132 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Details of Hydro Electric Schemes where Environment and/or Forest Clearance have been accorded during last three years and current year.**

| Sl. No. | Scheme | Sector | State | IC (MW) | | CEA Concurrence | Environ-ment Clearance | Forest Clearance |
|---|---|---|---|---|---|---|---|---|
| 1 | Vishnugad Pipalkoti | Central | Utta. | 4x111 | 444 | 21.09.06 | 22.08.07 | 28.05.13. |
| 2 | Kotlibhel Stage – IA | Central | Utta. | 3X65 | 195 | 03.10.06 | 09.05.07 | Stage-I FC accorded on 13.10.11 Stage-II awaited. |
| 3 | Loktak Downstream | Central | Manipur | 2x33 | 66 | 15.11.06/ | 16.01.13 | Stage-I FC accorded on 03.03.11 Stage-II awaited. |
| 4 | Alaknanda | Private | Utta. | 3x100 | 300 | 08.8.08 | 12.03.08 | 09.11.12 |
| 5 | Demwe Lower | Private | Ar. Pr. | 5x342+1 x40 | 1750 | 20.11.09 | 12.02.10 | 03.05.13 |
| 6 | Dibbin | Private | Ar. Pr. | 2x60 | 120 | 04.12.09 | 23.07.12 | F.C. St-I accorded on 07.02.12. St-II awaited |
| 7 | Teesta Stage-IV | Central | Sikkim | 4x130 | 520 | 13.05.10 | Awaited | Stage-I cleared 26.02.13 |
| 8 | Kutehr | Private | H.P. | 3x80 | 240 | 31.8.10 | 05.07.11 | 19.02.13 |
| 9 | Baglihar –II | State | J&K | 3x150 | 450 | 29.12.10 | 23.07.13 | Not Applicable |
| 10 | Panan | Private | Sikkim | 4x75 | 300 | 07.03.11 | 02.01.07 | 06.10.10 |
| 11 | Nafra | Private | Ar. Pr. | 2x60 | 120 | 11.02.11 | 17.01.11 | June, 12 |
| 12 | Nyamjang Chhu | Private | Ar. Pr. | 6x130 | 780 | 24.03.11 | 19.04.12 | F.C. St-I accorded on 09.04.12 & St-II awaited |
| 13 | Tawang Stage-I | Central | Ar. Pr. | 3x200 | 600 | 10.10.11 | 10.06.11 | Awaited |
| 14 | Tawang Stage-II | Central | Ar. Pr. | 4x200 | 800 | 22.09.11 | 10.06.11 | Awaited |
| 15 | Indirasagar (Polavaram) | State | A.P. | 12x80 | 960 | 21.02.12 | 25.10.05 @ | 28.07.10 |
| 16 | Bajoli Holi | Private | H.P. | 3x60 | 180 | 30.12.11 | 24.01.11 | 26.10.12 |
| 17 | Tato-II | Private | Ar. Pr. | 4x175 | 700 | 22.5.12 | 27.6.11 | Awaited |
| 18 | Shongtong Karcham/ | State | H.P | 3x150 | 450 | 16.8.12 | 19.5.11 | 22.3.11 |
| 19 | Ratle | Pvt. | J&K | (4x205+1x 30) | 850 | 19.12.12 | 12.12.12 | 27.04.12 |
| 20 | Gongri | Pvt. | Ar.Pr | 2x72 | 144 | 04.02.13 | 21.03.13 | 07.09.12 |
| 21 | Miyar | Pvt. | H.P. | 3x40 | 120 | 07.02.13 | 30.07.12 | Stage-I accorded on 27.07.12, stge II is awaited |
| | **Total** | | | | **9384** | | | |

@ Matter pending in High Court of A.P.

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ANNEX-II(a)
(Hydro)

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 132 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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DETAILS OF COST ESCALATION OF VARIOUS HYDRO POWER PROJECTS (ABOVE 25MW)

| Sr. No | Name of Project<br>Capacity<br>Agency/State | Time over run | Cost overrun (Rs. Crs) |
|---|---|---|---|
| **CENTRAL SECTOR** | | | |
| **JAMMU & KASHMIR** | | | |
| 1 | Uri-II<br>(4x60 MW)NHPC J&K | 52 months | 356.21 |
| 2 | Kishanganga<br>(3x110 MW)NHPC J&K | 32 months | 1403.37 |
| **HIMACHAL PRADESH** | | | |
| 3 | Parbati - II<br>(4x200 MW)NHPC H.P | 90 months | 1446.11 |
| 4 | Parbati-III<br>(4x130 MW)NHPC HP | 52 months | 165.90 |
| 5 | Rampur<br>(6x68.67 MW)<br>SJVNL HP | 38 months | 716.61 |
| 6 | Kol Dam<br>(4x200 MW)NTPC H.P. | 71 months | 1831.76 |
| **UTTARAKHAND** | | | |
| 7 | Tapovan Vishnughad<br>(4x130 MW)<br>NTPC, Uttarakhand | 48 months | 867.82 |
| 8 | Tehri PSS<br>(4x250 MW)<br>THDC, Uttarakhand | 92 months | 1321.26 |
| **WEST BENGAL** | | | |
| 9 | Teesta Low Dam– IV<br>(4x40 MW) NHPC WB | 78 months | 440..62 |
| | | | |
| 10 | Subansiri Lower<br>(8x250 MW)<br>NHPC Ar. Pd./ Assam | 90 months | 4381.67 |
| 11 | Kameng<br>(4x150 MW) NEEPCO Ar. Pd | 87 months | 2643.90 |
| 12 | Pare<br>(2x55MW) NEEPCO Ar.Pd | 31 months | 543.93 |
| **MIZORAM** | | | |
| 13 | Tuirial (2x30 MW)NEEPCO<br>Mizoram | 128 months | 544.91 |
| **STATE SECTOR** | | | |
| **HIMACHAL PRADESH** | | | |
| 14 | Uhl-III(3x33.33MW) BVPCL (HPSEB) | 108 months | 509.28 |
| 15 | Sawra Kuddu(3x37MW)<br>HPPCL, | 63 months | 623.37 |
| **ANDHRA PRADESH** | | | |
| 16 | Lower Jurala<br>(6x40 MW) APGENCO | 48 months | 566.49 |

| | | | |
|---|---|---|---|
| 17 | Pulichintala<br>(4x30MW) APGENCO | 60 months | 16.00 |
| 18 | Nagarjuna Sagar Tail Pool Dam<br>(2x25 MW)<br>APGENCO | 72 months | 494.04 |
| **KERALA** | | | |
| 19 | Thottiyar<br>(1x30+1x10)MW<br>KSEB | 36 months | 6.56 |
| **PRIVATE SECTOR** | | | |
| **UTTARAKHAND** | | | |
| 20 | Shrinagar<br>(4x82.5 MW) Alaknanda Hydro Power Co. Ltd. | 108 months | 369.88 |
| **MADHYA PRADESH** | | | |
| 21 | Maheshwar<br>(10x40 MW) SMHPCL | 168 months | 1190.73 |

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ANNEX-II(b)

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 132 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Details of Cost Escalation of Various Under Construction Thermal Power Projects Lagging behind schedule time of Commissioning**

| State | Project Name | Impl Agency | Main Equipt. Supplier | Unit No | Cap. (MW) | Org. Comm. Sched. | Ant. Comm. Sched. | Time over run (months) | Org. Cost (Rs. Crs) | Latest Cost (Rs. Crs) | Cost Overrun Rs. Crs. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***CENTRAL SECTOR*** | | | | | | | | | | |
| *Jharkhand* | BokaroTPS "A"Exp. | DVC | BHEL | U-1 | 500 | Dec-11 | Mar-15 | 39 | 2313 | 3552.18 | 1239.18 |
| *TN* | Neyveli TPS-II Exp. | NLC | BHEL | U-2 | 250 | Jun-09 | Mar-14 | 57 | 2030.78 (2 Units) | 3027.59 ( 2 Units) | 996.81 |
| *TN* | Tuticorin JV TPP | NLC | BHEL | U-1 | 500 | Mar-12 | Mar-14 | 24 | 4909.54 | 6540.93 | 1631.39 |
| | | | BHEL | U-2 | 500 | Aug-12 | Jun-14 | 22 | | | |
| *WB* | Raghunathpur TPP, Ph-I | DVC | Chinese | U-1 | 600 | Feb-11 | Mar-14 | 37 | 4122 | 6745 | 2623 |
| | | | Chinese | U-2 | 600 | May-11 | Jul-14 | 38 | | | |
| | **Total Central Sector** | | | | **2950** | | | | | | |
| | ***STATE SECTOR*** | | | | | | | | | | |
| *AP* | Damodaram Sanjeevaiah TPP | APPDL | Non-BHEL | U-1 | 800 | Jul-12 | Mar-14 | 20 | 8432 | 8654 | 222 |
| | | | | U-2 | 800 | Jan-13 | Oct-14 | 21 | | | |
| *AP* | Kakatiya TPP Extn | APGENCO | BHEL | U-1 | 600 | Jul-12 | Jul-14 | 24 | 2968.64 | 3019 | 50.36 |
| *AP* | Rayalseema Stage-III | APGENCO | | U-6 | 600 | Jul-14 | Dec-15 | 17 | 3028.86 | 3525 | 496.14 |
| *Assam* | Namrup CCGT | APGCL | BHEL | GT | 70 | Sep-11 | Jun-14 | 33 | 411 | 693.73 | 282.73 |
| | | | | ST | 30 | Jan-12 | Sep-14 | 32 | | | |
| *Chhattisgarh* | Marwa TPP | CSPGCL | BHEL | U-1 | 500 | May-12 | Feb-14 | 21 | 4735 | 6318 | 1583 |
| | | | | U-2 | 500 | Jul-12 | Jul-14 | 24 | | | |
| *Gujarat* | Pipavav CCPP | GSECL | BHEL | Block-1 | 351 | Sep-10 | Jan-14 | 40 | 2354.29 | 3029 | 674.71 |
| *Gujarat* | Sikka TPP Extn. | GSECL | BHEL | U-3 | 250 | Oct-13 | Apr-14 | 6 | 2004 | 2715 | 711 |
| | | | | U-4 | 250 | Jan-14 | Jul-14 | 6 | | | |
| *Maharashtra* | Chandrapur TPS | MSPGCL | BHEL | U-8 | 500 | Jun-12 | Mar-14 | 21 | 5500 | 6497.29 | 997.29 |
| | | | | U-9 | 500 | Sep-12 | Jan-15 | 28 | | | |
| *Maharashtra* | Parli TPP Expn. | MSPGCL | BHEL | U-8 | 250 | Jan-12 | Feb-14 | 25 | 1375 | 1859.24 | 484.24 |
| *MP* | Malwa TPP (Shree Singaji TPP) | MPGENCO | BHEL | U-2 | 600 | Oct-12 | Mar-14 | 17 | 4053 | 6750 | 2697 |
| *MP* | Satpura TPP Extn | MPPGCL | BHEL | U-10 | 250 | Feb-12 | Mar-13 | 13 | 2350 | 3265 | 915 |
| | | | | U-11 | 250 | Apr-12 | Dec-13 | 20 | | | |
| *Rajasthan* | Chhabra TPP Extn. | RRVUNL | BHEL | U-4 | 250 | Jul-11 | Mar-14 | 32 | 2200 | 2990 | 790 |
| *Rajasthan* | Kalisindh TPS | RRVUNL | Chinese | U-1 | 600 | Aug-11 | Dec-13 | 28 | 4600 | 7723 | 3123 |
| | | | | U-2 | 600 | Mar-12 | Mar-14 | 24 | | | |
| | **Total State Sector** | | | | **8551** | | | | | | |
| | ***PRIVATE SECTOR*** | | | | | | | | | | |
| *AP* | Thamminapatnam TPP-II | Meenaksha Energy Ltd. | Chinese | U-3 | 350 | May-12 | Mar-15 | 34 | 3120 | 3791 | 671 |
| | | | | U-4 | 350 | Aug-12 | Dec-15 | 40 | | | |
| *Chhattisgarh* | Avantha Bhandar TPS, U-1 | Korba West Power Co. Ltd. | BHEL | U-1 | 600 | Jul-12 | Dec-13 | 17 | 2872 | 3850 | 978 |
| *Chhattisgarh* | Baradarha TPP (DB Power TPP) | D.B.Power co.Ltd | BHEL | U-1 | 600 | Mar-13 | Dec-13 | 9 | 6533 | 6640 | 107 |
| | | | | U-2 | 600 | Jul-13 | Mar-14 | 8 | | | |
| *Chhattisgarh* | Binjkote TPP | M/s SKS Power Generation (Chhattisgarh) Ltd. | Chinese | U-1 | 300 | Aug-13 | Dec-14 | 16 | 5058 | 6890 | 1832 |
| | | | | U-2 | 300 | Nov-13 | Mar-15 | 16 | | | |
| | | | | U-3 | 300 | Feb-14 | * | | | | |
| | | | | U-4 | 300 | May-14 | * | | | | |
| *Chhattisgarh* | Lanco Amarkantak TPS-II | LAP Pvt. Ltd. | Chinese | U-3 | 660 | Jan-13 | Mar-15 | 26 | 6886 | 7700 | 814 |
| | | | | U-4 | 660 | Mar-13 | Aug-15 | 29 | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Chhat-tisgarh* | Singhitarai TPP | Athena Chhattisgarh Power Ltd. | Chinese | U-1 | 600 | Jun-14 | Mar-15 | 9 | 4650 | 6200 | 1550 |
| | | | | U-2 | 600 | Sep-14 | Aug-15 | 11 | | | |
| *Chhat-tisgarh* | Swastic TPP | M/s ACB | Non-BHEL | U-1 | 25 | Jun-12 | Mar-14 | 21 | 136 | 142 | 6 |
| *Chhat-tisgarh* | Uchpinda TPP | RKM Powergen Pvt. Ltd | Chinese | U-1 | 360 | May-12 | Jul-14 | 26 | 6653.61 | 8881.13 | 2227.52 |
| | | | | U-2 | 360 | Nov-12 | Jan-15 | 26 | | | |
| | | | | U-3 | 360 | Feb-13 | Apr-15 | 26 | | | |
| | | | | U-4 | 360 | Jul-13 | Jul-15 | 24 | | | |
| *Mahara-shtra* | Dhariwal infracture TPP | Dhariwal Infracture (P) Ltd | Chinese | U-1 | 300 | May-12 | Mar-14 | 22 | 2850 | 3479 | 629 |
| *Mahara-shtra* | Tirora TPP Ph-II | Adani Power Ltd | Chinese | U-2 | 660 | Jul-12 | Jan-14 | 18 | 8993 | 9635 | 642 |
| | | | | U-3 | 660 | Oct-12 | Mar-14 | 17 | | | |
| *Orissa* | Kamalanga TPP | GMR | Chinese | U-3 | 350 | Feb-12 | Dec-13 | 22 | 4540 | 6500 | 1960 |
| *Rajasthan* | Kawai TPP | Adani Power Ltd | Chinese | U-2 | 660 | Mar-13 | Dec-13 | 9 | 7020 | 7996 | 976 |
| *TN* | Melamaruthur TPP | Coastal Energen | Chinese | U-1 | 600 | Feb-12 | Mar-14 | 25 | 4800 | 5158 | 358 |
| | | | | U-2 | 600 | Mar-12 | Jun-14 | 27 | | | |
| | **Total Private Sector** | | | | **11515** | | | | | | |
| | **Grand Total** | | | | **23016.0** | | | | | | |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.175**
TO BE ANSWERED ON 05.12.2013

**REFORMS IN POWER SECTOR**

175. SHRI ASADUDDIN OWAISI:

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

(a) whether the Government has set up a panel to recommend reforms in the power sector to boost capacity and the said panel has also submitted its recommendations in this regard;

(b) if so the details thereof;

(c) whether the Government also proposes to grant financial incentives and ease green norms to the hydel sector;

(d) if so, the details thereof along with the recommendations made by the panel to encourage use of hydel power in the country; and

(e) the steps taken/being taken by the Government on the said recommendations?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) : Ministry of Power has not set up any panel to recommend reforms in the power sector to boost capacity. However, an Advisory Group has been set up under the Chairmanship of Minister of State for Power (Independent Charge) to discuss and deliberate periodically on issues pertaining to the power sector and suggest reforms in different areas relating to the sector.

(b) : Does not arise.

(c) : At present there is no specific proposal to grant financial incentives to the hydel sector by this Ministry. As regards easing green norms, the Ministry has been requesting Ministry of Environment & Forests (MoE&F) for expediting environment and forest clearances for hydro projects.

(d) & (e) : Do not arise.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.178**
TO BE ANSWERED ON 05.12.2013

**POWER GENERATION BY NTPC**

178. SHRI SUGUMAR K.:

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

(a) whether the National Thermal Power Corporation Limited (NTPC) had to back down 16 million units of power generation for want of demand in the first five months of the current fiscal year;

(b) if so, the details thereof;

(c) whether the NTPC is considering to slow down implementation of its many projects on account of above; 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) :** Yes, Madam. NTPC had to back down (16.402 billion units) due to less schedule given by beneficiaries during the period April-August, 2013. The Station-wise details are at **Annex.**

**(c) & (d):** No Madam, NTPC is not slowing down implementation of its projects.

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ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 178 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Opportunity loss (as per Installed Capacity) due to Less Schedule (April-August'2013)

| Station | Million Units |
|---|---|
| Singrauli | 149 |
| Rihand | 533 |
| Unchahar | 362 |
| Tanda | 14 |
| Dadri(Coal) | 858 |
| Badarpur | 565 |
| Mouda | 211 |
| Korba | 454 |
| Vindhyachal | 827 |
| Sipat | 1527 |
| Ramagundam | 217 |
| Simhadri | 223 |
| Farakka | 958 |
| Kahalgaon | 1405 |
| Talcher Kaniha | 295 |
| NTPC (Coal) | 8596 |
| | |
| Anta | 591 |
| Auraiya | 1420 |
| Dadri(Gas) | 1425 |
| Faridabad | 606 |
| Kawas | 1409 |
| Gandhar | 1422 |
| RGCCPP | 933 |
| NTPC Gas | 7805 |
| NTPC Total | 16402 |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.190**
TO BE ANSWERED ON 05.12.2013

## ELECTRICITY TO HOUSEHOLDS UNDER RGGVY

190. SHRI MODUGULA VENUGOPALA REDDY:
SHRI HEMANAND BISWAL:

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

(a) whether the Government proposes to provide round the clock and affordable access to electricity to all households and villages/hamlets in the country during the next five years;

(b) if so, the details thereof along with the action plan formulated by the Government in this regard;

(c) whether the transformers installed under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) reportedly get burnt frequently;

(d) if so, the details thereof and the reasons therefor along with the time by which such burnt transformers are likely to be replaced, State-wise; and

(e) the remedial steps taken or are being taken to address the issue?

## A N S W E R

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) & (b) : The Government of India launched Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), a flagship scheme, with an objective to provide access to electricity to rural households by creating rural electricity infrastructure and also to provide free electricity single point connection to Below Poverty Line (BPL) households. Under the scheme, Government of India provides 90% of the project cost as capital subsidy for establishing Rural Electricity Distribution Backbone (REDB) and Village Electrification Infrastructure(VEI) and provides free electricity single point connections to BPL households, in order to provide affordable access. However, the supply of electricity to consumers is the responsibility of Distribution Companies/Power Departments of State Governments.

.....2.

Government of India has approved the proposal for continuation of RGGVY in the 12th and 13th Plan:

i) to complete spillover works of projects sanctioned in 10th and 11th Plan;

ii) to cover remaining census villages and habitation with population above 100; and

iii) to provide free electricity connections to remaining eligible BPL households.

(c) to (e) : Yes, Madam. Some of the transformers installed under RGGVY reported burnt. Some of the reasons for burning of transformers are :-

i) Overloading due to un-authorized connections / illegal hooking.

ii) Connected load being more than approved load in households given connections under the scheme.

iii) Distribution transformers have suitable protection system to avoid burning in case of overloading or fault. When such protections are bypassed, Distribution Transformers get burnt in case of overloading or fault.

Repair/replacement of burnt transformers is the responsibility of implementing agency before the infrastructure is handed over to the Discoms/Power Departments. After handover, the responsibility for the same shifts to the Discoms/Power Departments, who are expected to carry out the same as per their norms and procedures.

To reduce the instances of burning of transformers to larger extent, realistic assessment of load by considering 250 watts for BPL connections and 500 watts for APL connections have been considered in 12$^{th}$ Plan projects. Further, States have been requested to formulate Detailed Project Reports (DPRs) for 12$^{th}$ Plan, based on actual field survey so that exact number of households could be ascertained for accurate estimation of load. Under 12$^{th}$ Plan, bigger Distribution Transformers (DTs) of 63 and 100 KVA can also be allowed, if proposed by the States, based on actual field requirement with justification.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.195**
TO BE ANSWERED ON 05.12.2013

**REGULATED TARIFF REGIME**

195. SHRI KAPIL MUNI KARWARIYA:

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

(a) whether the Government has made it mandatory for States to procure electricity through the tariff based competitive bidding route;

(b) if so, the details thereof and the reasons therefor including its impact on various stakeholders in the power sector;

(c) whether power sector lenders have requested the Government to shift back to the regulated tariff regime as an alternative to the current norms for power procurement through long term Power Purchase Agreements;

(d) if so, the details thereof and the reasons therefor; and

(e) 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. Tariff Policy, notified by Ministry of Power in 2006 under Section 3 of the Electricity Act, 2003 mandates the States to procure electricity through the tariff based competitive bidding route after 6.1.2011 subject to certain sector specific exemptions.

Further, in compliance with Section 63 of the Electricity Act, 2003, the Central Government has notified guidelines for procurement of power by Distribution Licensees through competitive bidding. Central Government has also issued the Standard Bidding Documents (SBDs) containing Request for Qualification (RfQ), Request for Proposal (RfP) and Power Purchase Agreement (PPA) for long term procurement of power from Case-2 projects (having specified site and location) through tariff based competitive bidding in 2006 and from Case-1 projects (where the location, technology or fuel is not specified) in 2009 and amended it from time to time.

.....2.

As regards procurement of power from Non-conventional sources of energy, para 6.4 of Tariff Policy stipulates that such procurement by Distribution Licensees for future requirements shall be done, as far as possible, through competitive bidding process under Section 63 of the Act, within supplies offering energy from same type of non-conventional sources. Hydro power projects have been exempted from competitive bidding till 31st December, 2015.

Introducing competition in different segments of the electricity industry is one of the key features of the Electricity Act, 2003. Competition is expected to lead to significant benefits to consumers through reduction in capital costs and also efficiency of operations. It will also facilitate the price to be determined competitively. This is aimed to bring in larger private sector investments in power at competitive tariffs. As per a study conducted by CERC, out of 14 projects it has been observed that tariff under competitive bidding route in case of 12 projects is lower than the cost plus approach.

**(c) to (e) :** As per available information, no power sector lenders have requested the Government to shift back to the regulated tariff regime as an alternative to the current norms for power procurement through long term power Purchase Agreements.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.198**
TO BE ANSWERED ON 05.12.2013

**OPERATION OF SASAN UMPP**

198. SHRI RAMESH RATHOD:

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

(a) whether the Western Region Load Dispatch Centre (WRLDC) has disputed the commercial Operation date of the Sasan Ultra Mega Power Project (UMPP);

(b) if so, the details thereof and the reasons therefor including its impact on tariff of power;

(c) the details of the losses incurred by various States that have signed Power Purchase Agreements (PPAs) with the Sasan UMPP due to dispute over its commercial operation date; and

(d) the action taken by the Government to resolve the dispute and to check financial loss to the Government exchequer?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) & (b) : The Sasan UMPP declared Commercial Operation Date (COD) of its Unit-3 from 0000 hrs. of 31st March, 2013 with a tested capacity of 101.38 MW based on a certificate issued by Independent Engineer (IE) and started declaring capacity of 620.4 MW against a tested capacity of 101.38 MW. The Western Regional Load Despatch Centre (WRLDC) filed a Petition in Central Electricity Regulatory Commission (CERC) on 25th April, 2013 in the matter of "declaration of COD and scheduling of Sasan UMPP". The CERC in its hearing held on 16th April, 2013, in another petition filed by Sasan Power Ltd. (SPL), ordered on 20th June, 2013 that declaration of CoD for 101.38 MW could not be sustained and that SPL should conduct another test at supercritical parameters. On 1st July, 2013, SPL filed an Appeal before the Appellate Tribunal for Electricity (APTEL) for staying the CERC order dated 20th June, 2013. Hon'ble APTEL did not grant any stay on the CERC order dated 20th June, 2013 and appeal was disposed off on 17th July, 2013. Hon'ble APTEL gave its judgment on 12th August, 2013 and remanded the matter to the CERC to decide the issues afresh after hearing all parties concerned and pass appropriate orders in accordance with law. The matter is still pending with CERC.

In the meantime, a meeting was held between procurers and SPL on 3rd August, 2013 and it was decided in the meeting that performance retest be carried out between 11th August to 14th August, 2013. The lead procurer MP Power Management Company Ltd. submitted their acceptance letter to WRLDC on 16th August, 2013 on the test results of the performance retest conducted between 11th August, 2013 to 14th August, 2013.

(c)& (d): WRLDC has acted as per Regulations of CERC in force and has not caused any financial loss to any of the beneficiary States of SPL. The matter is still pending in the CERC.

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.199**
TO BE ANSWERED ON 05.12.2013

**GAS BASED POWER PLANTS**

199. SHRI BAIJAYANT JAY PANDA:
SHRI PRALHAD JOSHI:
SHRIMATI JAYSHREEBEN PATEL:

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

(a) the details of the gas based power plants in the country, their installed generation capacity and the requirement of gas to operate them at full load *vis-à-vis* the actual power generated during each of the last three years and the current year, plant and State-wise;

(b) the details of gas allocated to each of these plants during the last year along with the Power Purchase Agreements (PPAs) for the same;

(c) the quantum of indigenous natural gas and long term contracted Re-gassified Liquefied Natural Gas (RLNG) available for power generation along with the details of the gas based power generation capacity lying idle in the country due to shortage of gas;

(d) the steps being taken by the Government for utilisation of the idle capacity of the gas based power plants and augment power generation from them; and

(e) the details of the gas based power plants proposed to be set up in the country, State-wise and the steps being taken by the Government to allocate more gas to the gas based power plants?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

(a) : The details of the gas based power plants in the country, their installed generation capacity and the requirement of gas to operate them at full load at 90% PLF vis-à-vis the actual power generated during each of the last three years and the current year, plant and State-wise is enclosed as **Annex-I**.

(b) & (c): The details of gas allocated to each of these plants (including RLNG) are enclosed as **Annex-II**. List of stranded gas power plants are enclosed as **Annex-III**. List of gas based power projects having long-term/short term PPAs as available in Central Electricity Authority (CEA) is enclosed as **Annex-IV**.

.....2.

(d) : The following steps are being taken by the Government for utilization of the idle capacity of the gas based power plants and augment power generation from them.

Government has relaxed fuel usage norms to allow power companies to divert natural gas allocated for one of their plants to another to achieve optimal operations. One of the measures that have been introduced is Clubbing / Diversion between power plants. Guidelines for Clubbing / Diversion of Gas between power plants of common entity have been issued by Ministry of Petroleum and Natural Gas (MoPNG) on 1/1/2013.

Besides these guidelines, MoPNG has also circulated draft guidelines for rostering of gas among power plants to facilitate operation of plants in a flexible manner to improve PLF and thereby generation. The same are under finalization.
To utilize idle capacity from gas based power plants, Government is making all out efforts for additional availability of gas to power plants and taking necessary steps to increase domestic production of gas in the country and facilitating import of RLNG in the country.

(e) : In view of non availability of gas, no new gas based power plants are proposed to be set up in the country and Central Electricity Authority / Ministry of Power had issued an advisory for not to plan any new gas power plants till 2015-16.

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 199 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Plants-wise generation during the year 2010-11 2011-12, 2012-13 & 2013-14 (April- October, 2013)

| S. No | Power Station | Installed Capacity (MW) | Gas Requirement at 90% PLF (MMSCMD) | Generation (Million Unit) | | | |
|---|---|---|---|---|---|---|---|
| | | | | 2010-11 | 2011-12 | 2012-13 | 2013-14 (April-Oct, 2013) |
| HARYANA | | | | | | | |
| 1 | FARIDABAD CCPP (NTPC) | 431.59 | 2.07 | 3155.40 | 3067.72 | 2402.85 | 1066.39 |
| RAJASTHAN | | | | | | | |
| 2 | Anta CCPP (Ntpc) | 419.33 | 2.01 | 2487.90 | 2694.60 | 2176.45 | 1087.64 |
| 3 | Dholpur Ccpp | 330.00 | 1.58 | 1994.87 | 2253.77 | 1162.69 | 554.32 |
| 4 | Ramgarh (RRUVNL,Jaisalmer) | 113.80 | 2.32 | 301.13 | 536.79 | 497.89 | 385.16 |
| 5 | Ramgarh CCPP Ext. | 110.00 | 0.53 | N/A | N/A | N/A | 0.00 |
| | TOTAL | 973.13 | 6.44 | 4783.90 | 5485.16 | 3837.03 | 2027.12 |
| DELHI | | | | | | | |
| 6 | I.P.CCPP | 270.00 | 1.30 | 1368.32 | 1243.72 | 1308.21 | 662.15 |
| 7 | Pragati CCGT-III | 1250.00 | 5.99 | 6.09 | 331.38 | 1437.14 | 642.44 |
| 8 | Pragati CCPP | 330.40 | 1.59 | 2335.78 | 2560.05 | 2508.35 | 1360.91 |
| 9 | Rithala CCPP | 108.00 | 0.52 | 88.80 | 241.83 | 138.82 | 0.22 |
| | TOTAL | 1958.40 | 9.40 | 3798.99 | 4376.98 | 5392.52 | 2665.72 |
| UTTAR PRADESH | | | | | | | |
| 10 | Auraiya CCPP (NTPC) | 663.36 | 3.18 | 4369.34 | 3878.62 | 2774.82 | 1144.75 |
| 11 | Dadri CCPP (NTPC) | 829.78 | 3.98 | 5399.88 | 5376.07 | 4417.58 | 2025.70 |
| | TOTAL | 1493.14 | 7.16 | 9769.22 | 9254.69 | 7192.40 | 3170.45 |
| GUJARAT | | | | | | | |
| 12 | NTPC, Gandhar (JHANORE) | 657.39 | 3.16 | 4058.06 | 3684.07 | 3478.60 | 1799.96 |
| 13 | Kawas CCPP (NTPC) | 656.20 | 3.15 | 3882.14 | 3638.40 | 2900.99 | 857.77 |
| 14 | Dhuvaran CCPP(GSECL) | 218.62 | 1.05 | 891.38 | 1008.70 | 849.80 | 117.69 |
| 15 | Hazira CCPP(GSEG) | 156.10 | 0.75 | 1022.81 | 907.62 | 701.27 | 179.81 |
| 16 | Hazira CCPP EXT | 351.00 | 1.68 | N/A | N/A | N/A | 0.00 |
| 17 | Utran CCPP(GSECL) | 518.00 | 2.49 | 2947.22 | 2987.98 | 954.77 | 8.31 |
| 18 | VATWA CCPP | 100.00 | 0.48 | 670.53 | 459.26 | 125.19 | 0.00 |
| 19 | BARODA CCPP | 160.00 | 0.77 | 843.55 | 668.74 | 377.17 | 269.33 |
| 20 | ESSAR CCPP | 300.00 | 2.47 | 1443.70 | 135.89 | 481.47 | 0.00 |
| 21 | PEGUTHAN CCPP | 655.00 | 3.14 | 3667.45 | 3067.07 | 1405.80 | 183.67 |
| 22 | SUGEN CCPP | 1147.50 | 5.51 | 8216.99 | 7592.16 | 4119.87 | 1372.71 |
| 23 | PIPAVAV CCPP | 351.00 | 1.68 | N/A | N/A | N/A | N/A |
| 24 | UNOSUGEN CCPP | 382.50 | 1.83 | N/A | N/A | N/A | 2.16 |
| | **TOTAL** | **5653.31** | **28.16** | **27643.83** | **24149.89** | **15394.93** | **4791.41** |
| MAHARASHTRA | | | | | | | |
| 25 | Ratnagiril (RGPPL-DHABHOL) | 1967.00 | 10.66 | 11876.85 | 11619.08 | 522.18 | 921.05 |
| 26 | Uran CCPP (MAHAGENCO) | 672.00 | 3.23 | 5587.39 | 4668.78 | 3741.07 | 2224.56 |
| 27 | Trombay CCPP | 180.00 | 0.86 | 1568.79 | 1567.90 | 1596.58 | 725.00 |
| | TOTAL | 2819.00 | 14.75 | 19033.03 | 17855.76 | 5859.83 | 3870.61 |
| ANDHRA PRADESH | | | | | | | |
| 28 | GAUTAMI CCPP | 464.00 | 2.23 | 3331.07 | 2898.67 | 997.36 | 0.00 |
| 29 | GMR Energy Ltd - Kakinada | 220.00 | 1.06 | 960.49 | 1200.03 | 393.39 | 0.00 |
| 30 | Godavari CCPP | 208.00 | 1.00 | 1464.36 | 1282.46 | 1032.98 | 553.18 |
| 31 | Jegurupadu CCPP | 455.40 | 2.19 | 3094.23 | 2833.49 | 1689.04 | 542.52 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 32 | Konaseema CCPP | 445.00 | 2.14 | 2350.49 | 2266.22 | 914.92 | 3.08 |
| 33 | Kondapalli EXTN CCPP . | 366.00 | 1.76 | 2043.68 | 2203.54 | 661.51 | 0.00 |
| 34 | Kondapalli CCPP | 350.00 | 1.68 | 2133.77 | 2030.94 | 1768.38 | 876.90 |
| 35 | Peddapuram CCPP | 220.00 | 1.06 | 1427.37 | 1318.82 | 713.20 | 269.01 |
| 36 | Vemagiri CCPP | 370.00 | 1.78 | 2815.56 | 2066.81 | 960.77 | 177.51 |
| 37 | VIJESWARAN CCPP | 272.00 | 1.31 | N/A | N/A | 1168.17 | 632.37 |
| 38 | SRIBA IDUSTRIES | 30.00 | 0.14 | 64.46 | 52.56 | N/A | 0.00 |
| 39 | RVK ENERGY | 28.00 | 0.13 | 43.19 | 39.25 | N/A | 0.00 |
| 40 | SILK ROAD SUGAR | 35.00 | 0.17 | 27.67 | 12.18 | N/A | 0.00 |
| 41 | LVS POWER | 55.00 | 0.26 | 37.18 | 12.12 | N/A | 0.00 |
| | TOTAL | 3518.40 | 16.91 | 19793.52 | 18217.09 | 10299.72 | 3054.57 |
| TAMIL NADU | | | | | | | |
| 42 | Kovikalpal (TIRUMAKOTTAI) | 107.00 | 0.51 | 663.76 | 705.75 | 726.74 | 315.90 |
| 43 | Kuttalam (TANGEDCO) | 100.00 | 0.48 | 172.58 | 413.29 | 55.84 | 361.98 |
| 44 | Valuthur CCPP (Ramanand) | 186.20 | 0.89 | 547.67 | 1114.56 | 937.31 | 672.58 |
| 45 | KARUPPUR CCPP | 119.80 | 0.58 | 820.38 | 797.10 | 881.96 | 413.00 |
| 46 | P.NALLUR CCPP | 330.50 | 1.59 | 2494.06 | 1526.19 | 1817.92 | 665.06 |
| 47 | VALANTARVY CCPP | 52.80 | 0.25 | 370.17 | 377.51 | 380.42 | 180.13 |
| | TOTAL | 896.30 | 4.30 | 5068.62 | 4934.40 | 4800.19 | 2608.65 |
| PUDUCHERRY | | | | | | | |
| 48 | KARAIKAL CCPP | 32.50 | 0.16 | 195.45 | 251.46 | 230.76 | 64.78 |
| ASSAM | | | | | | | |
| 49 | KATHALGURI CCPP (NEEPCO) | 291.00 | 1.40 | 1833.87 | 1765.17 | 1680.33 | 1011.50 |
| 50 | LAKWA GT (ASEB,Maibella) | 157.20 | 1.10 | 766.25 | 771.99 | 886.13 | 489.69 |
| 51 | NAMRUP CCPP + ST (APGCL) | 119.00 | 0.57 | 529.81 | 565.73 | 533.21 | 299.90 |
| 52 | DLF ASSAM GT | 24.50 | 0.12 | 67.42 | 0.00 | 0.00 | 43.93 |
| | TOTAL | 591.70 | 3.19 | 3197.35 | 3102.89 | 3099.67 | 1845.02 |
| TRIPURA | | | | | | | |
| 53 | AGARTALA GT | 84.00 | 0.58 | 644.10 | 666.12 | 632.73 | 379.61 |
| 54 | BARAMURA GT (TSECL) | 58.50 | 0.41 | 225.82 | 357.62 | 347.37 | 142.73 |
| 55 | ROKHIA GT (TSECL) | 90.00 | 0.63 | 443.50 | 419.10 | 416.47 | 241.89 |
| 56 | TRIPURA CCPP | 363.30 | 1.74 | N/A | N/A | N/A | N/A |
| | TOTAL | 595.80 | 3.36 | 1313.42 | 1442.84 | 1396.57 | 764.22 |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 199 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Details of Gas Allocated to the gas power plants

| S. No | Name of Power Station | Installed Capacity (MW) | Name of the State | Gas Allotted (MMSCMD) | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | APM (Firm) | Non APM/ Others | RLNG LT | KGD-6 (Firm) | TOTAL |
| CENTRAL SECTOR | | | | | | | | |
| 1 | NTPC,FARIDABAD CCPP | 431.59 | HARYANA | 1.95 | 0.49 | 0.2 | 0.35 | 2.99 |
| 2 | NTPC, ANTA CCPP | 419.33 | RAJASTHAN | 1.71 | 0.43 | 0.5 | 0.24 | 2.88 |
| 3 | NTPC, AURAIYA CCPP | 663.36 | UP | 2.43 | 0.6 | 1 | 0.3 | 4.33 |
| 4 | NTPC, DADRI CCPP | 829.78 | UP | 2.93 | 0.72 | 0.3 | 0.86 | 4.81 |
| | Sub Total (NR) | 2344.06 | | 9.02 | 2.24 | 2 | 1.75 | 15.01 |
| 5 | NTPC, GANDHAR (JHANORE) | 657.39 | GUJARAT | 0.6 | 0 | 0 | 0.63 | 1.23 |
| 6 | NTPC, KAWAS CCPP | 656.2 | GUJARAT | 2.19 | 0.35 | 0 | 2.08 | 4.62 |
| 7 | RATNAGIRI (RGPPL-DHABHOL) | 1967 | MAHA | 0 | 0.9 | 0 | 7.6 | 8.5 |
| | Sub Total (WR) | 3280.59 | | 2.79 | 1.25 | 0 | 10.31 | 14.35 |
| 8 | KATHALGURI (NEEPCO) | 291 | ASSAM | 1 | 0.4 | 0 | 0 | 1.4 |
| 9 | AGARTALA GT (R.C.NAGAR) | 84 | TRIPURA | 0.75 | 0 | 0 | 0 | 0.75 |
| 10 | TRIPURA CCPP | 363.3 | TRIPURA | 0 | 0 | 0 | 0 | 0 |
| | Sub Total (NER) | 738.3 | | 1.75 | 0.4 | 0 | 0 | 2.15 |
| | Total (CS) | 6362.95 | | 13.56 | 3.89 | 2 | 12.06 | 31.51 |
| STATE SECTOR | | | | | | | | |
| 11 | I.P.CCPP | 270 | DELHI | 0.84 | 0.36 | 0.60 | 0.00 | 1.80 |
| 12 | PRAGATI CCGT-III | 1250 | DELHI | 0.00 | 1.56 | 0.00 | 0.93 | 2.49 |
| 13 | PRAGATI CCPP | 330.4 | DELHI | 1.75 | 0.30 | 0.20 | 0.00 | 2.25 |
| 14 | DHOLPUR CCPP | 330 | RAJASTHAN | 0.00 | 1.50 | 0.00 | 0.10 | 1.60 |
| 15 | RAMGARH (RRVUNL Jaisalmer) | 113.8 | RAJASTHAN | 0.75 | 0.70 | 0.00 | 0.00 | 1.45 |
| 16 | RAMGARH CCPP EXT. | 110 | RAJASTHAN | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Sub Total (NR) | 2404.2 | | 3.34 | 4.42 | 0.80 | 1.03 | 9.59 |
| 17 | PIPAVAV CCPP | 351 | GUJARAT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | DHUVARAN CCPP(GSECL) | 218.62 | GUJARAT | 0.20 | 0.05 | 0.25 | 0.44 | 0.94 |
| 19 | HAZIRA CCPP(GSEG) | 156.1 | GUJARAT | 0.00 | 0.80 | 0.00 | 0.01 | 0.81 |
| 20 | HAZIRA CCPP EXT | 351 | GUJARAT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | UTRAN CCPP(GSECL) | 518 | GUJARAT | 0.28 | 0.00 | 0.24 | 1.45 | 1.97 |
| 22 | URAN CCPP (MAHAGENCO) | 672 | MAHA | 3.50 | 0.00 | 0.00 | 1.40 | 4.90 |
| | Sub Total (WR) | 2266.72 | | 3.98 | 0.85 | 0.49 | 3.30 | 8.62 |
| 23 | KARAIKAL CCPP (PPCL) | 32.5 | PUDUCHERRY | 0.18 | 0.00 | 0.00 | 0.00 | 0.18 |
| 24 | KOVIKALPAL (TIRUMAKOTTAI) | 107 | TN | 0.45 | 0.00 | 0.00 | 0.00 | 0.45 |
| 25 | KUTTALAM (TANGEDCO) | 100 | TN | 0.45 | 0.00 | 0.00 | 0.00 | 0.45 |
| 26 | VALUTHUR CCPP(Ramanand) | 186.2 | TN | 0.45 | 0.24 | 0.00 | 0.00 | 0.69 |
| | Sub Total (SR) | 425.7 | | 1.53 | 0.24 | 0.00 | 0.00 | 1.77 |
| 27 | LAKWA GT (ASEB, Maibella) | 157.2 | ASSAM | 0.40 | 0.55 | 0.00 | 0.00 | 0.95 |
| 28 | NAMRUP CCPP + ST (APGCL) | 119 | ASSAM | 0.66 | 0.00 | 0.00 | 0.00 | 0.66 |
| 29 | BARAMURA GT (TSECL) | 58.5 | TRIPURA | 0.60 | 0.00 | 0.00 | 0.00 | 0.60 |
| 30 | ROKHIA GT (TSECL) | 90 | TRIPURA | 0.30 | 0.00 | 0.00 | 0.00 | 0.30 |
| | Sub Total (NER) | 424.7 | | 1.96 | 0.55 | 0.00 | 0.00 | 2.51 |
| | Total (SS) | 5521.32 | | 10.81 | 6.06 | 1.29 | 4.33 | 22.49 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PVT SECTOR | | | | | | | | |
| 31 | VATWA CCPP (TORRENT) | 100 | GUJARAT | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 |
| 32 | TROMBAY CCPP (TPC) | 180 | MAHA | 1.50 | 0.00 | 1.00 | 0.00 | 2.50 |
| | Sub Total (WR) | 280 | | 1.50 | 0.00 | 1.00 | 0.37 | 2.87 |
| PVT IPP SECTOR | | | | | | | | |
| 33 | RITHALA CCPP (NDPL) | 108 | DELHI | 0.00 | 0.00 | 0.00 | 0.40 | 0.40 |
| | Sub Total (NR) | 108 | | 0.00 | 0.00 | 0.00 | 0.40 | 0.40 |
| 34 | BARODA CCPP (GIPCL) | 160 | GUJARAT | 0.28 | 0.08 | 0.30 | 0.09 | 0.75 |
| 35 | ESSAR CCPP ** | 300 | GUJARAT | 0.00 | 0.00 | 0.00 | 1.17 | 1.17 |
| 36 | PEGUTHAN CCPP (GTEC) | 655 | GUJARAT | 0.00 | 0.13 | 0.40 | 1.30 | 1.83 |
| 37 | SUGEN CCPP (TORRENT) | 1147.5 | GUJARAT | 0.00 | 0.90 | 0.39 | 3.31 | 4.60 |
| 38 | UNOSUGEN CCPP | 382.5 | GUJARAT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Sub Total (WR) | 2645 | | 0.28 | 1.11 | 1.09 | 5.87 | 8.35 |
| 39 | GAUTAMI CCPP | 464 | AP | 1.96 | 0.00 | 0.00 | 1.86 | 3.82 |
| 40 | GMR - KAKINADA (Tanirvavi) | 220 | AP | 0.00 | 0.00 | 0.00 | 0.88 | 0.88 |
| 41 | GODAVARI (SPECTRUM) | 208 | AP | 0.90 | 0.53 | 0.00 | 0.00 | 1.43 |
| 42 | JEGURUPADU CCPP (GVK) | 455.4 | AP | 2.00 | 0.44 | 0.00 | 1.09 | 3.53 |
| 43 | KONASEEMA CCPP | 445 | AP | 1.60 | 0.00 | 0.00 | 1.78 | 3.38 |
| 44 | KONDAPALLI EXTN CCPP . | 366 | AP | 0.00 | 0.00 | 0.00 | 1.46 | 1.46 |
| 45 | KONDAPALLI CCPP (LANCO) | 350 | AP | 1.46 | 0.50 | 0.00 | 0.36 | 2.32 |
| 46 | PEDDAPURAM (BSES) | 220 | AP | 0.64 | 0.20 | 0.00 | 0.25 | 1.09 |
| 47 | VEMAGIRI CCPP | 370 | AP | 1.64 | 0.00 | 0.00 | 1.48 | 3.12 |
| 48 | VIJESWARAN CCPP | 272 | AP | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | SRIBA INDUSTRIES | 30 | AP | 0.00 | 0.00 | 0.00 | 0.12 | 0.12 |
| 50 | RVK ENERGY | 28 | AP | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 |
| 51 | SILK ROAD SUGAR | 35 | AP | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 |
| 52 | LVS POWER | 55 | AP | 0.00 | 0.00 | 0.00 | 0.22 | 0.22 |
| 53 | KARUPPUR CCPP (ABAN) | 119.8 | TN | 0.50 | 0.00 | 0.00 | 0.00 | 0.50 |
| 54 | P.NALLUR CCPP (PPN) | 330.5 | TN | 0.00 | 1.50 | 0.00 | 0.00 | 1.50 |
| 55 | VALANTARVY CCPP | 52.8 | TN | 0.30 | 0.08 | 0.00 | 0.00 | 0.38 |
| | Sub Total (SR) | 4021.5 | | 11.00 | 3.25 | 0.00 | 9.71 | 23.96 |
| 56 | DLF ASSAM GT | 24.5 | ASSAM | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 |
| | Sub Total (NER) | 24.5 | | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 |
| | Total (PVT IPP S) | 6799 | | 11.28 | 4.46 | 1.09 | 15.98 | 32.81 |
| | Total(PVT) | 7079 | | 12.78 | 4.46 | 2.09 | 16.35 | 35.68 |
| | GRAND TOTAL | 18963.27 | | 37.15 | 14.41 | 5.38 | 32.74 | 89.69 |

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ANNEX-III

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 199 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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Stranded Gas Plants

| S. No | Name of Power Station | Installed Capacity (MW) | Name of the State |
|---|---|---|---|
| | Central Sector | | |
| 1 | RATNAGIRI (RGPPL-DHABHOL) * | 1967 | MAHA |
| | Sub Total (CS) | 1967 | |
| 2 | DHUVARAN CCPP (GSECL) on KG D6 | 112 | GUJ |
| 3 | UTRAN CCPP (GSECL) on KG D6 | 374 | GUJ |
| | Sub Total (WR) | 486 | |
| | Total (SS) | 486 | |
| 4 | VATWA CCPP (TORRENT) | 100 | GUJ |
| | Sub Total (WR) | 100 | |
| 5 | RITHALA CCPP (NDPL) * | 108 | DEL |
| | Sub Total (NR) | 108 | |
| 6 | SUGEN CCPP (TORRENT) | 1147.5 | GUJ |
| 7 | PEGUTHAN CCPP (GTEC) * | 655 | GUJ |
| 8 | ESSAR CCPP | 300 | GUJ |
| | Sub Total (WR) | 2102.5 | |
| 9 | GMR - KAKINADA (Tanirvavi) | 220 | AP |
| 10 | KONDAPALLI EXTN CCPP . | 366 | AP |
| 11 | SRIBA INDUSTRIES | 30 | AP |
| 12 | RVK ENERGY | 28 | AP |
| 13 | SILK ROAD SUGAR | 35 | AP |
| 14 | LVS POWER | 55 | AP |
| | Sub Total (SR) | 734 | |
| | Predominantly on KG D6 | 5497.5 | |
| New Commissioned plants with no gas allocation | | | |
| 1 | PRAGATI CCGT-III | 500 | DELHI |
| | Sub Total (NR) | 500 | |
| 2 | PIPAVAV CCPP | 351 | GUJ |
| 3 | HAZIRA CCPP EXT | 351 | GUJ |
| | Sub Total (WR) | 702 | |
| | Total (SS) | 1202 | |
| 4 | UNOSUGEN CCPP | 382.5 | GUJ |
| | Sub Total (New Commissioned plants with no allocation | 1584.5 | |
| | Total stranded plants connected to Main grid | 7082.0 | |

Besides these above plants following four plants are either stranded or operating at very low PLF.

| | | | |
|---|---|---|---|
| 1 | GAUTAMI CCPP | 464.00 | AP |
| 2 | GMR Energy Ltd - Kakinada | 220.00 | AP |
| 3 | Konaseema CCPP | 445.00 | AP |
| 4 | Jegurupadu CCPP * | 455.40 | AP |

* Operating at very low PLF

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ANNEX-IV

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 199 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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**Details of PPA of Gas based projects**

| Sl No | Name of Project | Install Capacity (MW) | Located in State | STATUS OF PPA |
|---|---|---|---|---|
| | CENTRAL SECTOR | | | |
| 1 | Faridabad CCGT | 430 | Haryana | PPA with Haryana from 22.12.95 initially valid upto 21.12.2010. However PPA shall continue to operate if Haryana keeps drawing power after initial period till PPA is renewed, extended or replaced |
| 2 | Anta CCGT | 413 | Rajasthan | PPA with UP, Uttarakhand, Rajasthan, Delhi, Punjab, Haryana, HP, J&K, Chandigarh, Railways from 31.1.94 initially valid upto 31.3.2012 for Delhi, 4.3.2003 for Railways, and 31.10.97 for others. However PPA shall continue to operate if beneficiaries keep drawing power after initial period till PPA is renewed, extended or replaced |
| 3 | Auraiya CCGT | 652 | UP. | PPA with UP, Uttarakhand, Rajasthan, Delhi, Punjab, Haryana, HP, J&K, Chandigarh, Railways from 31.1.94 initially valid upto 31.3.2012 for Delhi, 4.3.2003 for Railways, and 31.10.97 for others. However PPA shall continue to operate if benificiaries keep drawing power after initial period till PPA is renewed, extended or replaced |
| 4 | Dadri CCGT | 817 | U.P. | PPA with UP, Uttarakhand, Rajasthan, Delhi, Punjab, Haryana, HP, J&K, Chandigarh, Railways from 31.1.94 initially valid upto 31.3.2012 for Delhi, 4.3.2003 for Railways, and 31.10.97 for others. However PPA shall continue to operate if beneficiaries keep drawing power after initial period till PPA is renewed, extended or replaced |
| 5 | Kawas CCGT | 644 | Gujarat | PPA with GUVNL, MPPTCL, MSEDCL, Daman& Diu, Dadra Nagar Haveli, CSEB, MPAKVNL from 1.11.93 initially valid upto 31.10.1997. However PPA shall continue to operate if beneficiaries keep drawing power after initial period till PPA is renewed, extended or replaced |
| 6 | Gandhar CCGT | 648 | Gujarat | PPA with GUVNL, MPPTCL, MSEDCL, Daman& Diu, Dadra Nagar Haveli, CSEB, MPAKVNL from 1.11.95 initially valid upto 31.10.1997. However PPA shall continue to operate if benificiaries keep drawing power after initial period till PPA is renewed, extended or replaced |
| 7 | RGPPL (Dabhol) CCGT (1300 MW under commercial operation) | 1300 | Maharashtra | PPA signed on April,2007 with MSEDCL |
| Sub Total (CS) | | 4904 | | |

| | | | | |
|---|---|---|---|---|
| State Sector | | | | |
| 8 | Utran CCGT | 144 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) |
| 9 | Hazira CCPP - (GSEG) | 156.1 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) |
| 10 | Dhuvaran CCPP (GSECL) | 106.62 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) |
| 11 | Dhuvaran CCPP (GSEL) Extn. | 112 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) |
| 12 | Uran CCGT | 912 | Maha | PPA signed with MSEDCL |
| 13 | Pragati CCGT | 330.4 | Delhi | PPA with Delhi Discoms |
| 14 | I.P. CCGT | 282 | Delhi | PPA with Delhi Discoms |
| 15 | Dbolpur GT | 330 | Raj | PPA signed with Discoms of Rajasthan on 30.04.2005 |
| Sub Total (SS) | | 2373.12 | | |
| Private Sector | | | | |
| 16 | Vatwa CCGT (AEC) | 100 | Gujarat | Supplies to License area of Torrent Power Ltd at Ahmedabad |
| 17 | Trombay CCGT | 180 | Maha | PPAs with BEST Mumbai, Tata Power Distribution Business in Mumbai, Reliance Infrastructure, Mumbai as MERC tariff order. |
| 18 | GPEC Paguthan CCGT | 655 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) on 3rd February, 1994 |
| 19 | GIPCL-St-II CCGT | 160 | Gujarat | Signed with PUs & State Authority |
| 20 | Essar CCGT | 300 | Gujarat | PPA signed with Gujarat Urja Vikas Nigam Ltd. (GUVNL) |
| 21 | Torrent Sugen | 1128 | Gujarat | M/s torrent has informed that approx. 75% of capacity will be supplied to Ahmedabad and Surat distribution.<br>PPA with 835 MW to TPL-Distribution AEC & SEC in Ahmedabad & Surat PTC 100 MW, TEL-Dahej for Dahej SEZ for 15 MW |
| 22 | Gautami CCPP | 464 | AP | PPA signed with APSEB dt 31.3.1997. Amendment dt 18.6.2003 |
| 23 | Jegurupadu CCPP (GVK) | 235.4 | AP | Amendment & Re-stated PPA signed with APTransco dt 19.4.1996. |
| 24 | Jegurupadu CCPP(GVK) Ext. | 220 | AP | PPA signed with APTransco dt 18.6.2003 |
| 25 | Konaseema CCPP | 445 | AP | PPA signed with Aptransco/AP Discoms on 26/05/2003 and amended Agreements Dtd 21/11/2003, 12/01/2005 and 06/11/2010 |
| 26 | Kondapalli CCGT | 350.00 | AP | PPA with APTransco till 2015 |
| 27 | Samlkot CCPP/ Peddapuram | 220 | AP | PPA signed upto 15 years from COD i.e 24.12.2002 |
| 28 | Vemagiri | 370 | AP | PPA signed with AP Discoms 15 Year PPA with APTRANSCO |
| 29 | Godavari CCGT (Spectrum) | 208 | AP | PPA with APTransco expiring on 18.4.2016 |
| Sub Total (PS) | | 5035.4 | | |
| Total (C+S+P) | | 12312.52 | | |
| 30 | Lanco Kondapalli Extn. | 366 | Andhra Pradesh | Have short term PPA with AP Discoms |
| 31 | Tanir Bavi, GEL Kakinada | 220 | Andhra Pradesh | Have short term PPA with AP Discoms |
| 32 | Rithala | 108 | Delhi | PPA signed with NDPL (for self requirement) |

| | | | | |
|---|---|---|---|---|
| 33 | Bawana * | 1500 | Delhi | PPA signed with New Delhi Power Ltd.,, BSES Rajadhani, BSES Yamuna Power Ltd., New Delhi Municipal Committee, Haryana Power Purchase Centre 10%, Punjab State Power Corporation 10% Proposed to be signed with Military Engineering Services |
| 34 | Utran CCPP | 374 | Gujarat | PPA signed with GUVNL on 25.02.08 |
| Total | | 2568 | | |
| | | | | |
| 35a | # Vijjeswaram Gas Turbo Power Station St-I & II | 272 | Andhra Pradesh | MOU with erstwhile APSEB , shareholders and APGPCL as Tripartite agreement |
| 35 b | # Vijjeswaram Gas Turbo Power Station St-III ** | 700 | Andhra Pradesh | PPA with APTRANSCO |
| | Sub Total | 972 | | |
| | GRAND TOTAL | 15852.52 | | |

* 1250 MW is existing and Gas is available for 750 MW so far.
** 272 MW Existing and 700 MW extension under execution
# Group Captive Plant

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.209**
TO BE ANSWERED ON 05.12.2013

**RAJIV GANDHI GRAMEEN VIDYUTIKARAN YOJANA**

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

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

(a) the extent to which electrification under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) has been done, State/UTwise and the steps being taken by the Government to ensure greater contribution of RGGVY in rural development;

(b) the details of the proposals for electrification of the States pending with the Government for financial assistance;

(c) the steps being taken by the Government on each such proposal;

(d) whether some cases of irregularities in implementation of RGGVY have come to the notice of the Government during the last three years; and

(e) if so, the details thereof along with the corrective measures 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) : The Government of India launched Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY)-programme for creation of rural electricity infrastructure and household electrification in April, 2005. Under RGGVY, 648 projects were sanctioned during 10$^{th}$ and 11$^{th}$ Plan, covering electrification of 1,12,225 un/de-electrified villages (UEV), intensive electrification of 3,83,372 partially electrified villages (PEV) and release of free electricity connections to 2.76 crore BPL households in the country. Cumulatively, as on 15.11.2013, the electrification works in 1,07,752 UE villages, 3,03,406 PE villages have been completed and free electricity connections to 2.13 crore BPL households have been released under RGGVY. These details, State-wise, are at **Annex-I**. The infrastructure created under RGGVY would facilitate overall rural development in the country.

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(b) : 150 proposals from 8 States have been received in Rural Electrification Corporation Limited (REC), the nodal agency for implementation of RGGVY. These details, State-wise, are at **Annex-II.**

(c) : REC is scrutinizing these proposals as per guidelines of RGGVY in 12th Plan.

(d) & (e) : Few complaints regarding irregularities in implementation of RGGVY were received from different corners of the country during last three years. These complaints were promptly forwarded to the concerned implementing agencies by REC for taking appropriate action / corrective measures.

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 209 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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State-wise coverage & achievement of un-electrified villages, partially electrified villages and release of free electricity connection to BPL households under RGGVY

As on 15.11.2013

| Sl. No. | State | Un-electrified Villages | | Partially Electrified Villages | | BPL connections | |
|---|---|---|---|---|---|---|---|
| | | Coverage | Achievement | Coverage | Achievement | Coverage | Achievement |
| 1 | Andhra Pradesh | 0 | 0 | 26628 | 26628 | 2766614 | 2766614 |
| 2 | Arunachal Pradesh | 2081 | 1855 | 1526 | 1134 | 53337 | 44901 |
| 3 | Assam | 8241 | 8069 | 12907 | 12502 | 1231826 | 1037967 |
| 4 | Bihar | 24295 | 22917 | 18639 | 5373 | 5455978 | 2446882 |
| 5 | Chhattisgarh | 1736 | 1143 | 16099 | 13102 | 1220281 | 1006215 |
| 6 | Gujarat | 0 | 0 | 16350 | 16280 | 847833 | 837227 |
| 7 | Haryana | 0 | 0 | 6593 | 4676 | 250409 | 199279 |
| 8 | Himachal Pradesh | 95 | 83 | 12734 | 10534 | 17215 | 16375 |
| 9 | Jammu & Kashmir | 234 | 192 | 3247 | 3018 | 79991 | 64255 |
| 10 | Jharkhand | 18747 | 18117 | 6099 | 5758 | 1473490 | 1307204 |
| 11 | Karnataka | 62 | 62 | 25349 | 24740 | 926165 | 868921 |
| 12 | Kerala | 0 | 0 | 1272 | 473 | 117504 | 105945 |
| 13 | Madhya Pradesh | 886 | 627 | 49327 | 26593 | 1841539 | 1044259 |
| 14 | Maharashtra | 0 | 0 | 41921 | 36763 | 1218140 | 1206011 |
| 15 | Manipur | 882 | 616 | 1378 | 585 | 107369 | 29658 |
| 16 | Meghalaya | 1866 | 1705 | 3239 | 2484 | 109697 | 92325 |
| 17 | Mizoram | 137 | 109 | 570 | 346 | 30917 | 18849 |
| 18 | Nagaland | 105 | 91 | 1169 | 1078 | 72861 | 42658 |
| 19 | Odisha | 14728 | 14397 | 29329 | 25742 | 3047917 | 2841443 |
| 20 | Punjab | 0 | 0 | 6580 | 6030 | 102176 | 100404 |
| 21 | Rajasthan | 4237 | 4155 | 34449 | 33422 | 1439422 | 1155983 |
| 22 | Sikkim | 25 | 25 | 413 | 383 | 12108 | 9832 |
| 23 | Tamil Nadu | 0 | 0 | 10402 | 9673 | 525571 | 501202 |
| 24 | Tripura | 148 | 143 | 658 | 623 | 117163 | 113951 |
| 25 | Uttar Pradesh | 28006 | 27750 | 22973 | 2982 | 1988574 | 1044933 |
| 26 | Uttarakhand | 1512 | 1511 | 9263 | 9221 | 269560 | 269560 |
| 27 | West Bengal | 4202 | 4185 | 24258 | 23263 | 2287812 | 2184517 |
| | Total | 112225 | 107752 | 383372 | 303406 | 27611469 | 21357370 |

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 209 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2013.

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## Details of the RGGVY proposals pending in REC

| Sr. No. | Name of the State | No. of Projects |
|---|---|---|
| 1 | Assam | 2 |
| 2 | Bihar | 27 |
| 3 | Madhya Pradesh | 12 |
| 4 | Odisha | 18 |
| 5 | Rajasthan | 1 |
| 6 | Tripura | 8 |
| 7 | Uttar Pradesh | 75 |
| 8 | West Bengal | 7 |
| | **Total** | **150** |

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GOVERNMENT OF INDIA
MINISTRY OF POWER

**LOK SABHA**
**UNSTARRED QUESTION NO.218**
TO BE ANSWERED ON 05.12.2013

**HANDLING OF POSCO BY PGCIL**

218. SHRI AVTAR SINGH BHADANA:

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

(a) whether the Power Grid Corporation of India Limited (PGCIL) has failed miserably to handle and manage the affairs of Power Operation System Corporation (POSCO);

(b) if so, the details thereof;

(c) whether the Government has decided to separate POSCO from the PGCIL and form an independent regulator;

(d) if so, the details thereof; and

(e) the punitive action taken against the management of PGCIL for not managing the operational, developmental and market oriented functions effectively?

**A N S W E R**

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

( SHRI JYOTIRADITYA M. SCINDIA )

**(a) to (e) :** Power Grid Corporation of India Limited (PGCIL) has effectively handled the affairs of its subsidiary Company, Power System Operation Corporation (POSOCO), as per the directives of Government of India.

PGCIL is one of the largest transmission utilities in the world and maintaining availability of its transmission network consistently over 99%. The Company has also modernised the Regional Load Despatch Centres (RLDCs) with the State-of-the-Art Load Despatch and Communication facilities and established National Load Despatch Centre (NLDC) for effective management of the grid operations. As regards Management of operational, developmental and market oriented function, POSOCO has effectively administered the same under guidance of PGCIL.

Further, the establishment of POSOCO as an independent wholly owned Government of India Company under the administrative control of Ministry of Power is under consideration of the Government of India.

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