

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.1368  
TO BE ANSWERED ON 09.02.2017**

**CAPACITY ADDITION OF POWER PRODUCTION**

**1368. SHRI FEROZE VARUN GANDHI:**

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

- (a) the capacity addition made in production of non-renewable energy along with the details of percentage increase during the last three years, State-wise and year-wise;**
- (b) details of utilization of this increase in capacity addition against the earlier installed power generation capacity, State-wise;**
- (c) the reasons in case of non-utilization of additional power; and**
- (d) corrective steps taken by the Union Government in consultation with the States to resolve the issues related to utilization of this new power generation capacity?**

**A N S W E R**

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

**( SHRI PIYUSH GOYAL )**

**(a) : The capacity addition made in production of non-renewable energy along with the details of percentage increase during the last three years, state-wise and year-wise details is given at Annex-I.**

**(b) : Details of utilization of increase in capacity addition against the earlier installed power generation capacity, state-wise are given at Annex-II.**

**(c) & (d) : The main reason for non-utilisation of additional power is that the rate of growth of generation capacity addition has outpaced the rate of growth of power demand. In order to improve the utilisation of existing generation capacity by increasing the purchase of power by power**

**distribution companies (DISCOMs), the following steps have been taken by the Government:**

- (i) Government of India has taken a joint initiative with State Governments for preparation of State specific documents for providing 24x7 Power for All (PFA) to all households/homes, industrial & commercial consumers and adequate supply of power to agricultural consumers.**
- (ii) 'Make in India' initiative has been designed to facilitate investment, and build best-in-class manufacturing infrastructure. This initiative may spur demand in energy from manufacturing sector and may lead to higher utilization of Power Generation Capacity.**
- (iii) The Government has notified Ujjwal Discom Assurance Yojana (UDAY) scheme on 20.11.2015 for Operational & Financial Turnaround of DISCOMs.**
- (iv) Two new schemes have been launched by Govt. of India, namely, Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) for strengthening of sub-transmission and distribution networks and for segregation of agricultural feeders to give adequate and reliable power supply and reduce line losses, in rural and urban areas respectively.**
- (v) To revive and improve utilization of stranded gas based power generation capacity in the country, Government has launched a scheme for utilization of gas based power generation capacity. The scheme envisages supply of imported spot Regasified Liquefied Natural Gas (RLNG) to the stranded gas based plants as well as plants receiving domestic gas.**
- (vi) A mobile application 'VIDYUT PRAVAH' has been launched to provide real time information on electricity price and availability on real time basis in the country. This initiative is expected to improve transparency and accountability in the matter of procurement of power.**

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ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.1368 TO BE ANSWERED IN THE LOK SABHA ON 09.02.2017.

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**STATE-WISE ALL INDIA INSTALLED ELECTRICITY GENERATION CAPACITY OF NON-RENEWABLE ENERGY SOURCES**

| State/UTs                         | 2012-13  | 2013-14  |            |          |            |          | (IN MW)    |        |
|-----------------------------------|----------|----------|------------|----------|------------|----------|------------|--------|
|                                   |          |          | % Increase | 2014-15  | % Increase | 2015-16  | % Increase |        |
| <b>Northern Region (NR)</b>       |          |          |            |          |            |          |            |        |
| Chandigarh                        | 0.00     | 0.00     | 0          | 0.00     | 0.0        | 0.00     | 0.0        | 0.0    |
| Delhi                             | 1793.40  | 2043.40  | 13.9       | 2293.40  | 12.2       | 2740.40  | 19.5       | 19.5   |
| Haryana                           | 5793.43  | 5918.43  | 2.2        | 5793.43  | -2.1       | 6233.51  | 7.6        | 7.6    |
| Himachal Pradesh                  | 2141.73  | 2141.73  | 0.0        | 2141.73  | 0.0        | 2141.60  | 0.0        | 0.0    |
| Jammu & Kashmir                   | 963.94   | 963.94   | 0.0        | 963.94   | 0.0        | 1405.00  | 45.8       | 45.8   |
| Punjab                            | 5385.23  | 6210.23  | 15.3       | 7445.23  | 19.9       | 9899.23  | 33.0       | 33.0   |
| Rajasthan                         | 6636.79  | 8206.76  | 23.7       | 9106.76  | 11.0       | 9977.76  | 9.6        | 9.6    |
| Uttar Pradesh                     | 8297.10  | 8297.10  | 0.0        | 8297.10  | 0.0        | 11772.10 | 41.9       | 41.9   |
| Uttarakhand                       | 1652.15  | 1652.15  | 0.0        | 1652.15  | 0.0        | 2081.15  | 26.0       | 26.0   |
| Central Sector (NR)               | 20496.26 | 21859.27 | 6.7        | 22595.28 | 3.4        | 22995.28 | 1.8        | 1.8    |
| <b>Western Region (WR)</b>        |          |          |            |          |            |          |            |        |
| Chhattisgarh                      | 4418.00  | 7978.00  | 80.6       | 11223.00 | 40.7       | 13528.00 | 20.5       | 20.5   |
| Gujarat                           | 18434.20 | 19585.20 | 6.2        | 20611.30 | 5.2        | 20765.82 | 0.7        | 0.7    |
| Madhya Pradesh                    | 5798.64  | 8611.16  | 48.5       | 12323.66 | 43.1       | 11533.66 | -6.4       | -6.4   |
| Maharashtra                       | 19849.83 | 22609.84 | 13.9       | 25539.84 | 13.0       | 26949.84 | 5.5        | 5.5    |
| Daman & Diu                       | 0.00     | 0.00     | 0.0        | 0.00     | 0.0        | 0.00     | 0.0        | 0.0    |
| Dadra & Nagar Haveli              | 0.00     | 0.00     | 0.0        | 0.00     | 0.0        | 0.00     | 0.0        | 0.0    |
| Goa                               | 48.00    | 48.00    | 0.0        | 48.00    | 0.0        | 48.00    | 0.0        | 0.0    |
| Central Sector (WR)               | 18233.59 | 18233.59 | 0.0        | 18233.59 | 0.0        | 19393.59 | 6.4        | 6.4    |
| <b>Southern Region (SR)</b>       |          |          |            |          |            |          |            |        |
| Andhra Pradesh                    | 12684.22 | 12984.22 | 2.4        | 10615.12 | NA         | 11034.40 | 3.9        | 3.9    |
| Telangana                         | -        | -        | -          | 4779.10  | NA         | 8929.83  | 86.9       | 86.9   |
| Karnataka                         | 8614.22  | 8614.22  | 0.0        | 8614.22  | 0.0        | 10114.22 | 17.4       | 17.4   |
| Kerala                            | 2311.94  | 2311.94  | 0.0        | 2311.94  | 0.0        | 2290.10  | -0.9       | -0.9   |
| Tamil Nadu                        | 8145.16  | 8940.16  | 9.8        | 9540.16  | 6.7        | 10741.04 | 12.6       | 12.6   |
| Puducherry                        | 32.50    | 32.50    | 0.0        | 32.50    | 0.0        | 32.50    | 0.0        | 0.0    |
| Lakshadweep                       | 9.97     | 9.97     | 0.0        | 9.97     | 0.0        | 0.00     | -100.0     | -100.0 |
| Central Sector (SR)               | 10019.58 | 10519.58 | 5.0        | 12269.58 | 16.6       | 12769.58 | 4.1        | 4.1    |
| <b>Eastern Region (ER)</b>        |          |          |            |          |            |          |            |        |
| Bihar                             | 430.00   | 210.00   | -51.2      | 210.00   | 0.0        | 329.22   | 56.8       | 56.8   |
| Damodar Valley Corporation (DVC)  | 7483.20  | 7483.20  | 0.0        | 8083.20  | 8.0        | 9183.20  | 13.6       | 13.6   |
| Jharkhand                         | 2220.00  | 2220.00  | 0.0        | 2220.00  | 0.0        | 2220.00  | 0.0        | 0.0    |
| Odisha                            | 5231.93  | 5931.93  | 13.4       | 7131.93  | 20.2       | 7481.92  | 4.9        | 4.9    |
| West Bengal                       | 7400.57  | 7650.58  | 3.4        | 8250.58  | 7.8        | 8578.38  | 4.0        | 4.0    |
| Sikkim                            | 5.00     | 104.00   | 1980.0     | 104.00   | 0.0        | 195.00   | 87.5       | 87.5   |
| Andaman & Nicobar Islands         | 60.05    | 60.05    | 0.0        | 60.05    | 0.0        | 40.05    | -33.3      | -33.3  |
| Central Sector (ER)               | 8579.00  | 9482.00  | 10.5       | 10337.00 | 9.0        | 10667.00 | 3.2        | 3.2    |
| <b>North Eastern Region (NER)</b> |          |          |            |          |            |          |            |        |
| Arunachal Pradesh                 | 15.88    | 15.88    | 0.0        | 15.88    | 0.0        | 0.00     | -100.0     | -100.0 |
| Assam                             | 481.39   | 481.39   | 0.0        | 481.39   | 0.0        | 460.70   | -4.3       | -4.3   |
| Manipur                           | 45.41    | 45.41    | 0.0        | 45.41    | 0.0        | 36.00    | -20.7      | -20.7  |
| Meghalaya                         | 284.05   | 284.05   | 0.0        | 284.05   | 0.0        | 282.00   | -0.7       | -0.7   |
| Mizoram                           | 51.86    | 51.86    | 0.0        | 51.86    | 0.0        | 0.00     | -100.0     | -100.0 |
| Nagaland                          | 2.00     | 2.00     | 0.0        | 2.00     | 0.0        | 0.00     | -100.0     | -100.0 |
| Tripura                           | 153.35   | 174.35   | 13.7       | 174.35   | 0.0        | 169.50   | -2.8       | -2.8   |
| Central Sector (NER)              | 1598.30  | 1598.30  | 0.0        | 2052.50  | 28.4       | 2338.10  | 13.9       | 13.9   |

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**ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.1368 TO BE ANSWERED IN THE LOK SABHA ON 09.02.2017.**

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**STATE-WISE ALL INDIA UTILISATION OF CAPACITY ADDITION AGAINST THE EARLIER INSTALLED CAPACITY OF NON-RENEWABLE ENERGY SOURCES**

(GWh)

| State/UTs                         | 2012-13          | 2013-14          | % Increase  | 2014-15          | % Increase  | 2015-16          | % Increase  |
|-----------------------------------|------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| <b>Northern Region (NR)</b>       |                  |                  |             |                  |             |                  |             |
| Chandigarh                        | 0.00             | 0.00             | 0           | 0.00             | 0.0         | 0.00             | 0.0         |
| Delhi                             | 6113.50          | 4362.22          | -28.6       | 4994.60          | 14.5        | 3582.33          | -28.3       |
| Haryana                           | 21303.48         | 25462.39         | 19.5        | 26339.95         | 3.4         | 21751.16         | -17.4       |
| Himachal Pradesh                  | 8306.20          | 9244.95          | 11.3        | 8720.76          | -5.7        | 8991.83          | 3.1         |
| Jammu & Kashmir                   | 3985.98          | 3846.37          | -3.5        | 4216.66          | 9.6         | 4371.75          | 3.7         |
| Punjab                            | 26623.71         | 29017.72         | 9.0         | 31005.32         | 6.8         | 31728.43         | 2.3         |
| Rajasthan                         | 32825.12         | 38373.25         | 16.9        | 48222.90         | 25.7        | 48335.59         | 0.2         |
| Uttar Pradesh                     | 37191.14         | 44743.30         | 20.3        | 46012.38         | 2.8         | 45892.12         | -0.3        |
| Uttarakhand                       | 6555.25          | 4776.24          | -27.1       | 6015.30          | 25.9        | 6874.88          | 14.3        |
| <b>Central Sector (NR)</b>        | <b>118291.91</b> | <b>118677.89</b> | <b>0.3</b>  | <b>119311.59</b> | <b>0.5</b>  | <b>120475.43</b> | <b>1.0</b>  |
| <b>Western Region (WR)</b>        |                  |                  |             |                  |             |                  |             |
| Chhattisgarh                      | 25072.60         | 27480.37         | 9.6         | 34635.64         | 26.0        | 43248.18         | 24.9        |
| Gujarat                           | 77818.69         | 73231.51         | -5.9        | 82262.24         | 12.3        | 85410.16         | 3.8         |
| Madhya Pradesh                    | 22160.87         | 28317.06         | 27.8        | 43657.67         | 54.2        | 62826.06         | 43.9        |
| Maharashtra                       | 78285.44         | 89004.52         | 13.7        | 100959.50        | 13.4        | 109594.04        | 8.6         |
| Daman & Diu                       | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Dadra & Nagar Haveli              | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Goa                               | 245.41           | 241.32           | -1.7        | 12.61            | -94.8       | 0.00             | -100.0      |
| <b>Central Sector (WR)</b>        | <b>98195.82</b>  | <b>96633.05</b>  | <b>-1.6</b> | <b>97779.44</b>  | <b>1.2</b>  | <b>98214.79</b>  | <b>0.4</b>  |
| <b>Southern Region (SR)</b>       |                  |                  |             |                  |             |                  |             |
| Andhra Pradesh                    | 53496.04         | 50790.43         | -5.1        | 30729.84         | NA          | 44198.68         | 43.8        |
| Telangana                         | -                | -                | -           | 20460.79         | NA          | 16617.60         | -18.8       |
| Karnataka                         | 38532.18         | 42684.83         | 10.8        | 43555.05         | 2.0         | 39777.01         | -8.7        |
| Kerala                            | 5320.96          | 8281.27          | 55.6        | 7215.05          | -12.9       | 6510.59          | -9.8        |
| Tamil Nadu                        | 31472.21         | 37647.92         | 19.6        | 41943.99         | 11.4        | 41795.89         | -0.4        |
| Puducherry                        | 230.76           | 256.97           | 11.4        | 102.14           | -60.3       | 227.59           | 122.8       |
| Lakshadweep                       | 46.01            | 45.55            | -1.0        | 45.75            | 0.4         | 50.24            | 9.8         |
| <b>Central Sector (SR)</b>        | <b>62698.47</b>  | <b>66501.09</b>  | <b>6.1</b>  | <b>72222.43</b>  | <b>8.6</b>  | <b>77146.63</b>  | <b>6.8</b>  |
| <b>Eastern Region (ER)</b>        |                  |                  |             |                  |             |                  |             |
| Bihar                             | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Damodar Valley Corporation (DVC)  | 31036.63         | 34443.71         | 11.0        | 32235.19         | -6.4        | 35236.10         | 9.3         |
| Jharkhand                         | 6760.65          | 8016.76          | 18.6        | 7937.80          | -1.0        | 8727.49          | 9.9         |
| Odisha                            | 16293.81         | 19667.21         | 20.7        | 22939.27         | 16.6        | 28270.60         | 23.2        |
| West Bengal                       | 35195.39         | 32605.19         | -7.4        | 35968.90         | 10.3        | 34052.58         | -5.3        |
| Sikkim                            | 0.00             | 291.42           | NA          | 430.86           | 47.8        | 496.49           | 15.2        |
| Andaman & Nicobar Islands         | 240.21           | 256.06           | 6.6         | 276.25           | 7.9         | 277.65           | 0.5         |
| <b>Central Sector (ER)</b>        | <b>54262.65</b>  | <b>56648.51</b>  | <b>4.4</b>  | <b>62442.35</b>  | <b>10.2</b> | <b>64473.79</b>  | <b>3.3</b>  |
| <b>North Eastern Region (NER)</b> |                  |                  |             |                  |             |                  |             |
| Arunachal Pradesh                 | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Assam                             | 1804.57          | 1845.02          | 2.2         | 1929.34          | 4.6         | 1864.38          | -3.4        |
| Manipur                           | 0.99             | 0.00             | -100.0      | 0.00             | 0.0         | 0.00             | 0.0         |
| Meghalaya                         | 609.89           | 802.20           | 31.5        | 775.29           | -3.4        | 860.93           | 11.0        |
| Mizoram                           | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Nagaland                          | 0.00             | 0.00             | 0.0         | 0.00             | 0.0         | 0.00             | 0.0         |
| Tripura                           | 763.84           | 728.25           | -4.7        | 726.46           | -0.2        | 739.21           | 1.8         |
| <b>Central Sector (NER)</b>       | <b>5299.60</b>   | <b>6204.34</b>   | <b>17.1</b> | <b>7203.41</b>   | <b>16.1</b> | <b>9182.99</b>   | <b>27.5</b> |

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