

**GOVERNMENT OF INDIA
MINISTRY OF COAL
LOK SABHA
UNSTARRED QUESTION NO.3549
TO BE ANSWERED ON 23.3.2017**

Energy Generation from Coal

3549. SHRIMATI MEENAKASHI LEKHI:

Will the Minister of COAL be pleased to state:

- (a) the percentage of industries dependent on coal as their primary source of power;
- (b) the energy generated from per kg. of different grades of coal; and
- (c) the quantum of different grades of coal mined on an average during each of the last three years and the current year?

A N S W E R

MINISTER OF STATE (I/C) IN THE MINISTRY OF COAL, POWER, NEW AND RENEWABLE AND MINES

(SHRI PIYUSH GOYAL)

(a): The relative percentage demand of coal from various industries using coal, in the year 2015-16 is as under:

Sector/Industry	Estimated Quantity (in Tonne)	Demand Million	Share (as percentage of total demand)
Coking Steel+ Coke Oven		53.91	6.56
Power (Utility)		559.13	67.99
Power (Captive)		85.15	10.35
Cement		32.27	3.92
Steel DRI		22.90	2.79
Others		69.00	8.39
Total		822.36	100%

(b): Non-coking coal in the country has been categorised into 17 grades (G1 to G17) based on energy content in terms of Gross Calorific Value (GCV) exceeding 2200 Kilo Calories per Kilo Gram of coal. Grade-wise range of heat energy potential per kilogram of coal is tabled below:

Grade	Range of heat energy potential of 1 Kg Coal (in Kilo Calories)	Grade	Range of heat energy potential of 1 Kg Coal (in Kilo Calories)
G1	Exceeding 7000	G10	Exceeding 4300 but not exceeding 4600
G2	Exceeding 6700 but not exceeding 7000	G11	Exceeding 4000 but not exceeding 4300
G3	Exceeding 6400 but not exceeding 6700	G12	Exceeding 3700 but not exceeding 4000
G4	Exceeding 6100 but not exceeding 6400	G13	Exceeding 3400 but not exceeding 3700
G5	Exceeding 5800 but not exceeding 6100	G14	Exceeding 3100 but not exceeding 3400

G6	Exceeding 5500 but not exceeding 5800	G15	Exceeding 2800 but not exceeding 3100
G7	Exceeding 5200 but not exceeding 5500	G16	Exceeding 2500 but not exceeding 2800
G8	Exceeding 4900 but not exceeding 5200	G17	Exceeding 2200 but not exceeding 2500
G9	Exceeding 4600 but not exceeding 4900		

(c): Quantity of coal mined (in Million Tonne) in the last three years is given in the table below:

Grade	2013-14	2014-15	2015-16
Coking Coal			
Steel-I	0.061	0.050	0.037
Steel-II	0.604	0.456	1.051
SC-1	0.135	0.130	0.135
Wash-I	0.145	0.115	0.415
Wash-II	2.042	2.228	2.493
Wash-III	12.616	12.335	12.968
Wash-IV	40.962	42.132	43.788
SLV1	0.253	0.000	0.000
Total Coking Coal	56.818	57.446	60.887
Non-coking Coal			
G1	6.130	2.740	3.831
G2	0.416	0.565	0.341
G3	5.374	5.469	5.189
G4	21.526	19.025	17.665
G5	13.236	14.789	16.302
G6	17.714	22.680	13.114
G7	35.837	37.838	39.038
G8	28.273	30.523	33.150
G9	57.003	52.704	44.579
G10	55.405	64.411	82.855
G11	126.328	130.703	147.460
G12	56.372	79.169	90.578
G13	68.984	76.348	77.619
G14	4.556	5.054	1.439
G15	3.858	3.806	4.073
G16	3.093	2.627	0.418
G17	4.786	3.258	0.666
UNG	0.056	0.024	0.026
Total Non Coking Coal	508.947	551.733	578.343
Total Coal	565.765	609.179	639.230

The grade-wise details of the all India coal production data for 2016-17 is compiled by Coal Controller Organisation at the end of the financial year. The total coal production in 2016-17 (up to the month of February 2017) is 582.195 Million Tonne which is 2.6% more than the last year production for the same time period.