

GOVERNMENT OF INDIA  
MINISTRY OF COAL  
LOK SABHA  
UNSTARRED QUESTION No. 3140  
TO BE ANSWERED ON 17.12.2015

Mining of Superior Grade Coal

3140. SHRI JOSE K. MANI:

Will the Minister of COAL be pleased to state:

- (a): the percentage of coal being exploited at present, grade-wise;
- (b): whether mining of superior grade coal with low ash content is less as compared to other grades of coal;
- (c): if so, the details thereof and the reasons therefor; and
- (d): the steps being taken by the Government to increase the mining of superior grade coal?

**Answer**

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

**(SHRI PIYUSH GOYAL)**

**(a):** As per Provisional Coal Statistics 2014-15, the Grade-wise all India raw coal production of Coking coal was 57.45 Mte. and Non-Coking coal was 554.98 Mte during the year 2014-15. The details of grade-wise production of coal are given in the table.

<b>Grade-wise coal production during the year 2014-15</b>					
<b>Coking Coal</b>			<b>Non-Coking Coal</b>		
<b>Grade</b>	<b>Production</b>	<b>%age</b>	<b>Grade</b>	<b>Production</b>	<b>%age</b>
<b>Steel-I</b>	0.05	0.09	1	5.948	1.07
<b>Steel -II</b>	0.456	0.79	2	0.566	0.10
<b>SC-I</b>	0.13	0.23	3	5.468	0.99
<b>Wash-I</b>	0.115	0.20	4	19.197	3.46
<b>Wash-II</b>	2.228	3.88	5	14.645	2.64
<b>Wash-III</b>	12.499	21.76	6	22.654	4.08
<b>Wash-IV</b>	41.973	73.06	7	38.212	6.89
<b>SLV-I</b>	0	0.00	8	30.325	5.46
<b>Total</b>	<b>57.451</b>	<b>100.00</b>	9	52.535	9.47
			10	64.412	11.61
			11	131.004	23.61
			12	79.167	14.26
			13	76.062	13.71
			14	5.054	0.91
			15	3.826	0.69
			16	2.627	0.47
			17	3.176	0.57
			UNG	0.106	0.02
			<b>Total</b>	<b>554.984</b>	<b>100.00</b>

**(b)&(c):** In India, Coking coal is graded on the basis of ash content while Non-coking coal is graded on the basis of gross calorific value. Grading of coking coal is as follows:-

Grade	Ash Content
Steel Gr I	Ash content <15%
Steel Gr II	15%<=Ash content<18%
Washery Gr I	18%<=Ash content<21%
Washery Gr II	21%<=Ash content<24%
Washery Gr III	24%<=Ash content<28%
Washery Gr IV	28%<=Ash content<35%

As is evident from the table given in reply to part (a), so far as coking coal is concerned maximum production is witnessed in wash III and wash IV category of coal which have an ash content of 24-28% and 28-35%, respectively. Similarly in raw coal, the G-8 to G-13 grades together have maximum production (reference table in reply to (a).

**(d):**The focus of the Government is on improving domestic production of coal which include efforts to expedite clearances, pursuing with State Government for help in expediting land acquisition and coordinated effort with Railways for movement of coal. Steps have been taken by Coal India Limited (CIL) and its subsidiaries to improve the production and quality of coal by adopting latest available technologies such as Continuous Miners, Selective Mining, Surface Miners and clean Coal Technologies, Coal sizing and sampling technologies. CIL has recently introduced 'third party sampling' of the coal supplied under which the coal purchasing party is free to choose a sampler of its choice from the empanelled list of third party samplers. Coking coal is mostly washed. Further, CIL has planned to construct 15 washeries (9 non-coking and 6 coking) having capacity of 112.6 Mte.

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