

GOVERNMENT OF INDIA  
MINISTRY OF COAL

**LOK SABHA**  
**UNSTARRED QUESTION NO. 428**  
**TO BE ANSWERED ON 12.12.2018**

**Coal Reserves**

**428. SHRI MALLIKARJUN KHARGE:**

Will the **MINISTER OF COAL** be pleased to state:

- (a) whether the Government is using latest techniques to explore the fresh coal reserves;
- (b) if so, the details of fresh coal reserves in the country State-wise since 2014;
- (c) whether Government has slowed down the exploration of fresh coal reserves in the country;
- (d) if so, the details thereof; and
- (e) the reasons for Government not taking initiative to avail technical knowhow from the specialised agencies of other countries having proven record for coal exploration?

**ANSWER**

**MINISTER OF RAILWAYS AND COAL**  
**( SHRI PIYUSH GOYAL )**

**(a)&(b):** Central Mine Planning and Design Institute (CMPDI) is the nodal agency for exploration of coal in India. It is using latest techniques to explore the fresh coal reserves like Hi-Tech Hydrostatic drills for drilling; 2D & 3D seismic survey with Vibrosis & interpretation with Paradigm software; satellite imagery for identification of forest and probable coal bearing areas & modern software such as AutoCAD, ArcGIS and Minex for preparation of Geological reports which is equivalent to industry best practices worldwide. The state wise resources as on 01.04.2018 are enclosed at **Annexure-I** and the upgradation & addition of resources at **Annexure-II**.

**(c) & (d):** No Madam. Government has not slowed down the exploration of fresh coal reserves in the country. Exploration of coal resources in the country is a continuous process. Every year about 3 to 5 billion tonnes of proved (measured) resources are being added through fresh exploration to the coal inventory of India. The drilling/exploration done by CMPDI/GSI/MECL/State Government (DGMs) in last 3 years & current year to estimate the fresh resources through promotional (regional) exploration in coal are given in below table:

Item	2015-16	2016-17	2017-18	2018-19 (Apr.'18-Nov.'18)
Promotional(Regional) drilling in Coal & Lignite (in Lakh Meter)	1.12	1.05	1.35	0.82

**(e)** CMPDI on behalf of MoC has taken initiative to avail technical knowhow and initiated to introduce Air borne survey for Regional Exploration.

\*\*\*\*\*

## Statewise Geological Resources Of Coal In India As On 01.04.2018

STATE	Category-wise Coal Resources (in Million Tonnes)				
	Measured (Proved)	Indicated	Inferred (Exploration)	Inferred (Mapping)	Total
WEST BENGAL	14155.57	12868.81	4642.86	0.00	31667.24
BIHAR	161.11	813.49	392.15	0.00	1366.75
JHARKHAND	45563.36	31438.52	6149.80	0.00	83151.68
MADHYA PRADESH	11958.28	12153.95	3874.67	0.00	27986.90
CHHATTISGARH	20427.71	34576.26	2201.90	0.00	57205.87
UTTAR PRADESH	884.04	177.76	0.00	0.00	1061.80
MAHARASHTRA	7177.55	3073.55	2048.14	0.00	12299.24
ODISHA	37391.10	34164.54	7739.16	0.00	79294.80
ANDHRA PRADESH	0	1149.05	431.65	0.00	1580.70
TELANGANA	10474.9	8576.13	2650.92	0.00	21701.95
SIKKIM	0.00	58.25	42.98	0	101.23
ASSAM	464.78	57.21	0.50	2.52	525.01
ARUNACHAL PRADESH	31.23	40.11	12.89	6.00	90.23
MEGHALYA	89.04	16.51	27.58	443.35	576.48
NAGALAND	8.76	0.00	103.64	298.05	410.45
<b>GRAND TOTAL</b>	<b>148787.43</b>	<b>139164.14</b>	<b>30318.84</b>	<b>749.92</b>	<b>319020.33</b>

Source: Geological Survey of India's Inventory of Geological Resources of Indian Coal as on 1.4.18 The inventory did not take into account the mined out reserves.

**ANNEXURE-II**

**Year-Wise Upgradation / Addition of Geological Resources of Indian Coal  
(As Per GSI Report on Coal Inventory)**

Sl. No.	Coal Resources As on	Proved (Million Tonne)	Indicated (Million Tonne)	Inferred (Million Tonne)	Total (Million Tonne)
1	1.4.2013	123182	142632	33101	298915
2	1.4.2014	125909	142506	33149	301564
	<b>Resources Added</b>				<b>2649</b>
3	1.4.2015	131614	143241	31740	306595
	<b>Resources Added</b>				<b>5031</b>
4	1.4.2016	138087	139151	31564	308802
	<b>Resources Added</b>				<b>2207</b>
5	1.4.2017	143058	139311	32780	315149
	<b>Resources Added</b>				<b>6347</b>
6	1.4.2018	148787	139164	31069	319020
	<b>Resources Added</b>				<b>3871</b>

\*\*\*