

**GOVERNMENT OF INDIA
MINISTRY OF MINES**

**LOK SABHA
UNSTARRED QUESTION NO.1184
TO BE ANSWERED ON THE 09th FEBRUARY, 2017**

MAPPING OF MINERAL DEPOSITS

1184. SHRI SUNIL KUMAR SINGH:

Will the Minister of MINES be pleased to state:

- (a) whether any survey has been conducted or mapping has been done by the Government with a view to find out new mines;
- (b) if so, the details thereof along with mineral deposits in different parts of the country at present;
- (c) the future plan of the Government for mining these mineral deposits; and
- (d) whether there is any plan for extraction and mapping of mineral deposits in the country especially Jharkhand and if so, the details thereof along with locations identified for the purpose?

A N S W E R

MINISTER OF STATE (INDEPENDENT CHARGE) FOR MINES, POWER, COAL AND NEW & RENEWABLE ENERGY (SHRI PIYUSH GOYAL)

(a): Exploration is a continuous process and the estimation of quantity of mineral resources is carried out on the basis of survey/ exploration of minerals. Exploration agencies like Geological Survey of India [GSI], Mineral Exploration Corporation Limited [MECL], State DGMS, State/ Central Undertakings and private sector companies are engaged in the exploration of mineral deposits in the country.

(b): During 2016-17, GSI has taken up a total of 194 mineral exploration programmes in different parts of the country out of which 5 programmes are in the State of Jharkhand. Further, reconnaissance stage mineral exploration of 30 blocks by MECL are under progress out of which 4 blocks are in Jharkhand. As per the information available with Indian Bureau of Mines, the mineral-wise reserves/ resources available in the country is at Annexure.

(c) & (d): Under the Mines and Minerals (Development and Regulation) Amendment Act, 2015, for major minerals, the mineral concession can be allotted through auctioning of two instruments viz. Prospecting Licence-cum-Mining Lease or Mining Lease. The power to grant these mineral concessions vests in the State Governments. Further, for minor minerals, the State Governments are the custodians and mining leases/ licences are granted by them. The extraction of minerals, therefore, depends on the grant of the mineral concessions by the State Government.

Subsequent to the enactment of MMDR Amendment Act, 2015, 21 mining blocks in the States of Andhra Pradesh (1), Chhattisgarh (3), Jharkhand (3), Odisha (3), Rajasthan (3), Karnataka (7) and Madhya Pradesh (1) have been successfully auctioned by the respective State Governments till date. In Jharkhand 2 blocks of limestone in Harihaspura Block-I and Block-II, District Ramgarh and (ii) 1 block of gold in Pahadia, District Singhbhum West have been auctioned.

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**ANNEXURE TO LOK SABHA UNSTARRED QUESTION NO.1184 REGARDING
'MAPPING OF MINERAL DEPOSITS' ASKED BY SHRI SUNIL KUMAR SINGH FOR
ANSWER ON 09.02.2017**

**Details of Mineral-wise Reserves/ Resources available in the country
as on 01.04.2010/ 2013***

Sl. No	Mineral	Unit	Reserves	Remaining Resources	Total Resources
1	Alexandrite	-	N. E.	N. E.	N. E.
2	Andalusite	000' tonnes	-	18,450	18,450
3	Antimony*				
	Ore	tonnes	-	10,588	10,588
	Metal		-	174	174
4	Apatite*	tonnes	30,792	22,630,348	22,661,140
5	Asbestos	tonnes	2,510,841	19,655,762	22,166,603
6	Ball clay	tonnes	16,777,842	66,615,662	83,393,504
7	Barytes	tonnes	31,584,128	41,149,746	72,733,874
8	Bauxite*	000' tonnes	830,195	2,908,856	3,739,051
9	Bentonite	tonnes	25,060,508	543,306,838	568,367,346
10	Borax	tonnes	-	74,204	74,204
11	Calcite	tonnes	2,664,338	18,281,110	20,945,448
12	Chalk	000' tonnes	4,332	585	4,917
13	China clay	000' tonnes	177,158	2,528,049	2,705,207
14	Chromite*	000' tonnes	107,221	214,530	321,751
15	Cobalt (Ore)*	Million tonnes	-	44.91	44.91
16	Copper*				
	Ore	000' tonnes	237,573	1,273,445	1,511,018
	Metal		2,996.97	9,221.56	12,218.53
17	Corundum*	tonnes	598	267,219	267,816
18	Diamond*	carats	984,875	30,876,432	31,861,307
19	Diaspore	tonnes	2,859,674	3,125,144	5,984,818
20	Diatomite	000' tonnes	-	2,885	2,885
21	Dolomite*	000' tonnes	783,905	7,300,667	8,084,572
22	Dunite	000' tonnes	17,137	168,232	185,369
23	Emerald	-	N. E.	N. E.	N. E.
24	Feldspar	tonnes	44,503,240	87,832,212	132,335,452
25	Fire clay	000' tonnes	30,104	683,415	713,519
26	Fluorite*	tonnes	4,573,348	13,614,193	18,187,541
27	Fullers Earth	tonnes	58,200	256,593,879	256,652,079
28	Garnet	tonnes	19,324,793	37,638,032	56,962,824
29	Gold*				
	Ore (Primary)	tonnes	14,615,965	480,188,061	494,804,026
	Metal (Primary)		71.91	568.48	640.39
	Ore (Placer)		-	26,121,000	26,121,000
	Metal (Placer)		-	5.86	5.86
30	Granite (Dimension Stone)	000' cum	263,692	45,966,608	46,230,300
31	Graphite*	tonnes	8,468,677	180,204,794	188,673,471
32	Gypsum	000' tonnes	39,096	1,247,402	1,286,498
33	Iron Ore * Haematite	000' tonnes	6,608,287	13,967,420	20,575,707
34	Iron Ore* Magnetite	000' tonnes	34,592	10,712,763	10,747,355
35	Kyanite	tonnes	1,574,853	101,670,767	103,245,620
36	Laterite*	000' tonnes	59,898	498,777	558,675
37	Lead and zinc*				
	Ore	000' tonnes	102,795	606,248	709,043
	Metal Lead		2,114.91	9,888.89	12,003.80
	Zinc		10,893.10	24,963.00	35,856.10
	Lead +Zinc		0	140.82	140.82

Contd.2/--

Sl. No	Mineral	Unit	Reserves	Remaining Resources	Total Resources
38	Limestone	000' tonnes	14,926,392	170,008,720	184,935,112
39	Magnesite*	000' tonnes	20,773	307,339	328,111
40	Manganese ore*	000' tonnes	95,872	379,314	475,186
41	Marble	000' tonnes	276,495	1,654,968	1,931,463
42	Marl	tonnes	139,976,150	11,704,870	151,681,020
43	Mica	Kg.	190,741,448	341,495,531	532,236,979
44	Molybdenum *				
	Ore	tonnes	-	19,371,698	19,371,698
	Contained MoS ₂			12,668.37	12,668.37
45	Nickel (Ore)*	Million tonnes	-	188.71	188.71
46	Ochre	tonnes	54,942,176	89,319,089	144,261,265
47	Perlite	000'tonnes	428	1,978	2,406
48	PGM (Metal)	tonnes of metal content	-	15.7	15.7
49	Potash	Million tonnes	-	21,816	21,816
50	Pyrite	000' tonnes	-	1,674,401	1,674,401
51	Pyrophyllite	tonnes	23,275,451	32,807,451	56,082,902
52	Quartz/ Silica Sand	000' tonnes	429,223	3,069,808	3,499,031
53	Quartzite	000' tonnes	86,599	1,164,649	1,251,248
54	Rock Phosphate*	tonnes	65,391,551	249,119,998	314,511,549
55	Rock Salt	000' tonnes	16,026	-	16,026
56	Ruby	Kg	236	5,112	5,348
57	Sapphire	Kg	-	450	450
58	Shale	000' tonnes	15,331	580	15,911
59	Sillimanite	tonnes	4,085,052	62,902,385	66,987,437
60	Silver*				
	Ore	tonnes	118,281,065	401,288,894	519,569,959
	Metal		7,907.97	21,880.38	29,788.35
61	Slate	000' tonnes	0	2,369	2,369
62	Sulphur (Native)	000' tonnes	-	210	210
63	Talc/Steatite/ Soapst	000' tonnes	90,026	178,996	269,022
64	Tin*				
	Ore	tonnes	6,973	83,719,193	83,726,166
	Metal		1,181.19	101,093.65	102,274.84
65	Titanium minerals	tonnes	22,030,223	371,965,694	393,995,917
66	Tungsten*				
	Ore	tonnes	-	87,387,464	87,387,464
	Contained WO ₃		-	142,094.35	142,094.35
67	Vanadium*				
	Ore	tonnes	-	24,633,855	24,633,855
	Contained V ₂ O ₅		-	64,594	64,594
68	Vermiculite	tonnes	1,704,007	803,003	2,507,010
69	Wollastonite	tonnes	2,487,122	14,082,751	16,569,873
70	Zircon	tonnes	1,347,470	1,786,482	3,133,952

Figures rounded off.

N.E = Not Estimated

*** Reserves/resources as on 1-04-2013.**