

GOVERNMENT OF INDIA
MINISTRY OF MINES
RAJYA SABHA
UNSTARRED QUESTION NO. 3638
ANSWERED ON 04.04.2022

MINING OF MINERALS

3638. SHRI ABIR RANJAN BISWAS:

Will the Minister of Mines be pleased to state:

- (a) the mineral reserves which are present in the country but not mined as per the exploration carried out by Geological Survey of India and Mineral Exploration Corporation;
- (b) the quantity of glauconite/potash, emerald, the Platinum Group of Metals (PGM), andalusite and molybdenum imported since 2017, year-wise;
- (c) whether the reserves for glauconite/potash, emerald, PGM, andalusite and molybdenum are present in the country but the rate of royalty was not specified for them till 9th March,2022; and
- (d) if so, the reasons therefor and the steps taken by Government in this regard?

ANSWER

THE MINISTER OF MINES, COAL AND PARLIAMENTARY AFFAIRS
(SHRI PRALHAD JOSHI)

- (a): As per available information, the reserves are economically mineable part of total mineral resources and the remaining resources are the balance of the total mineral resources that have not been identified as reserves. The mineral wise reserve/resources in the country as on 01.04.2015 are given in Annexure-I.
- (b): The quantity of Glauconite/ Potash, Emerald, Platinum Group of Metals (PGM), Andalusite and Molybdenum, imported since 2017, is at Annexure II.
- (c) & (d): The explored blocks of these minerals have become available in last few years. Earlier, the rate of royalty of these minerals was covered under residual entry no.55 of second schedule of MMDR Act 1957. After the blocks have become available for auction, specific rates of royalty for these minerals have been notified on 15.03.2022.

Mineral wise Reserves/Resources in India as on 01.04.2015

Mineral	Unit	Reserves	Remaining Resources	Total Resources
Andalusite	'000 Tonnes	0	28,201	28,201
Antimony	Tonne of Ore	0	10,588	10,588
	Tonne of Metal	0	174	174
Apatite	Tonne	29,395	24,016,082	24,045,477
Asbestos	Tonne	24,633	22,922,751	22,947,384
Ball clay	Tonne	49,493,621	85,249,716	134,743,337
Barytes	Tonne	51,346,825	35,323,825	86,670,650
Bauxite	'000 Tonnes	656,422	3,240,442	3,896,864
Bentonite	Tonne	14,585,633	568,302,781	582,888,414
Borax	Tonne	0	74,204	74,204
Calcite	Tonne	3,448,867	19,555,082	23,003,949
Chalk	'000 Tonnes	5,064	1,687	6,751
China Clay	'000 Tonnes	229,469	2,711,777	2,941,247
Chromite	'000 Tonnes	102,210	241,806	344,016
Cobalt	Million Tonnes	0	45	45
Copper	'000 Tonnes of Ore	207,767	1,303,730	1,511,498
	'000 Tonnes of Metal	2,734.62	9,423.53	12,158.15
Corundum	Tonne	200	293,497	293,697
Diamond	Carats	959,659	30,876,432	31,836,091
Diaspore	Tonne	7,882,434	2,310,817	10,193,251
Diatomite	'000 Tonnes	0	2,885	2,885
Dolomite	'000 Tonnes	677,884	7,737,007	8,414,891
Dunite	'000 Tonnes	12,768	175,049	187,818
Emerald	Kilogram	0	55,869	55,869
Feldspar	Tonne	319,841,61	313,725,831	633,567,443
		2		
Fire Clay	'000 Tonnes	27,037	695,791	722,829
Fluorite	Tonne	288,684	17,893,423	18,182,107
Fullers Earth	Tonne	3,941,000	257,437,959	261,378,959
Garnet	Tonne	12,783,856	43,377,166	56,161,022
Gold	Tonne of Ore (Primary)	17,228,174	484,611,458	501,839,632
	Tonne of Metal (Primary)	70.09	584.65	654.74
	Tonne of Ore (Placer)	0	26,121,000	26,121,000
	Tonne of Metal (Placer)	0	5.86	5.86
Granite (Dimen Stone)	'000 Cubic Meter	263,692	46,056,098	46,319,790
Graphite	Tonne	7,960,793	186,925,987	194,886,779
Gypsum	'000 Tonnes	36,621	1,292,892	1,329,513
Iron Ore(Haematite)	'000 Tonnes	5,421,751	17,065,214	22,486,965
Iron Ore(Magnetite)	'000 Tonnes	52,699	10,736,455	10,789,155
Kyanite	Tonne	688,079	104,293,480	104,981,559
Laterite	'000 Tonnes	124,733	581,819	706,552
Lead-Zinc	'000 Tonnes of Ore	106,116	643,343	749,459
	'000 Tonnes of Lead Metal	2482.34	10,521.36	13,003.7
	'000 Tonnes of Zinc Metal	9,999.52	26,363.24	36,362.76
	'000 Tonnes of Lead-zinc Metal	0	143.13	143.13
Limestone	'000 Tonnes	16,335,753	186,888,998	203,224,752
Magnesite	'000 Tonnes	82,276	311,711	393,988
Manganese Ore	'000 Tonnes	93,475	402,399	495,874
Marble	'000 Tonnes	295 4,551	1,941,341	1,945,891

Marl	Tonne	123,855,856	11,704,870	135,560,726
Mica	Kilogram	114,432,777	520,869,364	635,302,141
Molybdenum	Tonnes of Ore	0	19,371,698	19,371,698
	Tonnes of Contained MoS ₂	0	12,668.37	12,668.37
Nickel Ore	Million Tonnes	0	189	189
Ochre	Tonne	36,933,805	130,859,201	167,793,006
Perlite	'000 Tonnes	0	2,406	2,406
Platinum Group of Metals	Tonnes of metal contained	0	15.71	15.71
Potash	Million Tonnes	0	22,508	22,508
Pyrite	'000 Tonnes	0	1,674,401	1,674,401
Pyrophyllite	Tonne	24,932,958	34,682,745	59,615,703
Quartz-Silica sand	'000 Tonnes	647,522	3,260,298	3,907,819
Quartzite	'000 Tonnes	83,472	1,575,325	1,658,798
Rare Earth Elements	Tonne	0	25,493	25,493
Rock Phosphate	Tonne	45,807,485	266,871,130	312,678,615
Rock Salt	'000 Tonnes	0	16,025	16,025
Ruby	Kilogram	0	5,349	5,349
Sapphire	Kilogram	0	450	450
Shale	'000 Tonnes	15,472	3,781	19,253
Sillimanite	Tonne	6,502,115	63,702,027	70,204,142
Silver	Tonne of Ore	150,443,903	361,510,732	511,954,635
	Tonne of Metal	7,171.94	22,809.88	29,981.82
Slate	'000 Tonnes	20,286	2,586	22,872
Sulphur(Native)	'000 Tonnes	0	210	210
Talc-Steatite-Soapstone	'000 Tonnes	106,490	209,434	315,924
Tin	Tonne of Ore	4,419	83,720,749	83,725,168
	Tonne of Metal	154.20	102,259.16	102,413.36
Titanium Minerals	Tonne	14,420,716	399,204,829	413,625,545
Tungsten	Tonnes of Ore	0	87,387,464	87,387,464
	Tonnes of Contained WO ₃	0	142,094.35	142,094.35
Vanadium	Tonnes of Ore	0	24,633,855	24,633,855
	Tonnes of Contained V ₂ O ₅	0	64,594.01	64,594.01
Vermiculite	Tonne	1,632,885	719,582	2,352,467
Wollastonite	Tonne	2,241,462	14,227,824	16,469,286
Zircon	Tonne	1,158,290	2,264,913	3,423,203

Annexure II

(figures in Tonnes)

S. No.	HS Code*/ Description	2017-18	2018-19	2019-20	2020-21	2021-22 [Apr'21 to Jan'22]
1	3104 - Mineral or chemical fertilisers, potassic	5114248	4576732	4040269	5250815	2636220
2 (a)	2613 - Molybdenum ores and concentrates	91694	11028	7901	9178	7337
2 (b)	8102 - Molybdenum and articles thereof, including waste and scrap	393	493	430	433	478
3 (a)	7110 - Platinum, unwrought or in semi-manufactured form, or in powder form	12.09	8.88	9.30	10.72	8.12
3 (b)	71101110 - Platinum, Unwrought form including ingots	4.09	2.06	1.86	2.24	1.88
3 (c)	71101120 - Platinum, in powder form	0.92	0.58	0.67	0.79	0.53
3 (d)	71101900 - Other Platinum	1.79	2.22	2.18	2.16	2.44
3 (e)	71102100 - Palladium, Unwrought or in powder form	2.66	1.16	1.05	0.73	0.52
3 (f)	71102900 - Other Palladium	1.23	1.88	2.13	3.41	1.91
3 (g)	71103100 - Rhodium, Unwrought or in powder form	0.66	0.43	0.15	0.10	0.09
3 (h)	71103900 - Other Rhodium	0.23	0.13	0.64	0.08	0.06
3 (i)	71104100 - Iridium, osmium and ruthenium - Unwrought or in powder form	0.48	0.20	0.37	1.03	0.44
3 (j)	71104900 - Other Iridium, osmium and ruthenium	0.03	0.22	0.26	0.18	0.26
4 (a)	71031031 – Emerald, Unworked or simply sawn or roughly shaped	-	-	-	50	53
4 (b)	71039130 – Emerald, Otherwise worked (in carats)	-	-	-	9,844	2,950
5	25085010 - Andalusite	14375	14263	17617	15218	8858

(*HS Code: Harmonized System Code is a standardized numerical method of classifying traded products
