

GOVERNMENT OF INDIA
MINISTRY OF MINES
LOK SABHA
UNSTARRED QUESTION NO. 1148
ANSWERED ON 26.07.2023

SURVEY IN RAJASTHAN

†1148. SHRI KANAKMAL KATARA:

Will the Minister of MINES be pleased to state:

(a) whether it is a fact that the Government has conducted any survey in Rajasthan to find out the resources of minerals;

(b) if so, the details of the surveys conducted; and

(c) the district-wise details of the minerals identified along with the names of such districts?

ANSWER

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

(a) & (b): Yes, Sir. Geological Survey of India, an attached office of Ministry of Mines, carries out 'reconnaissance survey' [G4], 'preliminary exploration' [G3] and 'general exploration' [G2] following the guidelines of Minerals (Evidence of Mineral Contents) Rules, 2015 and subsequent amendments in different parts of the country with an aim to augment resource for various mineral commodities.

The details of mineral exploration projects taken up in Rajasthan for the last three years (FS 2020-21 to 2022-23) and current year (FS 2023-24) are given in Annexure-I.

(c): As per National Mineral Inventory, the district-wise reserves/resources of minerals in Rajasthan, as on 01.04.2020(P), are given in Annexure-II.

The details of mineral exploration by GSI in Rajasthan for last 3 years and current year

FS: 2020-21					
District	Commodity	G2	G3	G4	Total
Alwar	Basemetal		2		2
Alwar and Dausa	Basemetal		1		1
Banaswara	Gold		1		1
	Manganese			2	2
Bhilwara	Basemetal		2		2
	REE & RM			1	1
Bhilwara and Chittorgarh	Basemetal			1	1
Hanumangarh	Potash		4		4
Jaipur	Iron ore			1	1
Jalore	Basemetal			4	4
	REE & RM			1	1
Jhunjhunu	Basemetal		1		1
Nagar	Tungsten & Lithium	1			1
Rajsamad	REE			1	1
	Manganese		2		2
Sikar	Basemetal	1	4	1	6
Sikar & Alwar	Basemetal			1	1
Udaipur	Basemetal		2	1	3
Total		2	19	14	35

FS: 2021-22					
District	Commodity	G2	G3	G4	Total
Alwar	Basemetal			3	3
	Copper		1		1
Alwar and Dausa	Basemetal			1	1
Banaswara	Gold		1		1
Barmer	REE			2	2
	REE & RM		1	2	3
Bhilwara and Chittorgarh	Basemetal			1	1
Bhilwara	Basemetal		2	1	3
	REE			1	1
	Silver		1		1
	Limestone		1		1
Chittorgarh	Basemetal		1		1
Churu & Hanumangarh	Potash			1	1
Hanumangarh	Potash		2		2
Jaipur	Limestone		1		1
	REE& RM			1	1
Jaisalmer	REE			1	1
Jhunjhunu	Basemetal		1		1
Nagar	Basemetal			1	1
Rajsamad	Manganese		1		1
	Emerald			1	1
Sikar	Basemetal		6		6

	REE& RM		1		1
Sirohi	Niobium			1	1
	REE			1	1
Udaipur	Basemetal		1	1	2
	Gold		1	1	2
Udaipur and Dungarpur	Gold			1	1
Ajmer	Basemetal			1	1
Pali	Tungsten		1		1
	Basemetal			1	1
Pali & Ajmer	Basemetal			1	1
Total		0	23	24	47

FS: 2022-23					
District	Commodity	G2	G3	G4	Total
Sikar and Alwar	Basemetal			1	1
Dausa	Basemetal		1		1
Banaswara	Gold & Basemetal			1	1
	Phosphorite		1		1
Barmer	REE		4	3	7
	REE & RM		2		2
Chittorgarh and Udaipur	Basemetal			1	1
Bhilwara	Basemetal		2	3	5
	Silver & Basemetal		1		1
	Neodymium & REE			1	1
Chittorgarh	Basemetal		1		1
	Limestone			1	1
Hanumangarh	Potash	1	2		3
Jaipur	Basemetal & REE		1		1
Jalore	REE & RM			1	1
Jaisalmer	Scandium			1	1
	Strontium			1	1
	Limestone		2	1	3
	Phosphorite		1		1
Jhunjhunu	Basemetal		1		1
Nagar	Tungsten and Lithium	2	2		4
	Basemetal			1	1
Rajsamad	Emerald			3	3
Sikar	Basemetal	1			1
	REE& RM		2		2
Sirohi	Tungsten and Lithium			1	1
	Basemetal			2	2
	Gold & Basemetal			1	1
Udaipur	Tellurium, Lithium, Gold			1	1
	Basemetal		1	2	3
	Nickel, Chromium & PGE		1		1

Udaipur and Dungarpur	Gold & Basemetal			1	1
Ajmer	Basemetal			1	1
Pali	Nickel			1	1
Bikaner	Potash			1	1
Total		4	25	30	59

FS: 2023-24					
District	Commodity	G2	G3	G4	Total
Alwar	Tungsten and Tin			1	1
	REE & RM			1	1
Alwar & Dausa	Basemetal		1		1
Jaipur & Sikar	REE & RM			1	1
Banaswara	Gold & Basemetal	1	1		2
	Phosphorite			1	1
	Graphite & RM			1	1
	Manganese			1	1
Barmer	REE			1	2
Bharatpur	Basemetal			1	1
Bhilwara	Basemetal		1	1	2
	Limestone			1	1
Dungarpur	REE			1	1
Nagaur	RM			2	2
	Basemetal	1			1
Hanumangarh	Potash	1	2	1	4
Jalore & Sirohi	REE			1	1
Jaisalmer	Scandium & RM			1	1
	Limestone		7		7
Jhunjhunu	Basemetal			1	1
	Niobium			1	1
Sikar	Basemetal		2		2
	Basemetal & REE			5	5
Sirohi	REE & RM			1	1
	Basemetal			1	1
	REE			1	1
	Gold & Basemetal			2	2
Udaipur	Basemetal, REE & Gold			2	2
	Basemetal		3	2	5
	Basemetal & Magnesite			1	1
	Nickel			1	1
Udaipur & Chittorgarh	Basemetal			1	1
Ajmer	REE			1	1
	Graphite			1	1
	Basemetal		1	2	3
Ajmer & Pali	Basemetal			1	1
Total (2023-24)		3	22	37	62

**District-wise Reserves/Resources of minerals in the State of Rajasthan as on
01.04.2020(P)**

District	Mineral		Unit	Reserve	Remaining Resources	Total Resources
Ajmer	Asbestos		Tonne	0	34,58,336	34,58,336
	Copper	Ore	1000 Tonnes	0	9,340	9,340
		Metal	1000 Tonnes	0	76.67	76.67
	Fluorite		Tonne	0	987	987
	Garnet		Tonne	15	90,728	90,743
	Graphite		Tonne	0	37,239	37,239
	Lead-Zinc	Ore	1000 Tonnes	3,381	31,170	34,551
		Lead Metal		29.01	642.99	672
		Zinc Metal		163.25	1513.34	1676.59
	Limestone		1000 Tonnes	66,661	7,79,320	8,45,981
	Magnasite		1000 Tonnes	0	6,460	6,460
	Silver	Ore	Tonne	33,80,929	82,24,000	1,16,04,929
		Metal		57.58	238.34	295.92
	Vermiculite		Tonne	0	91,125	91,125
Wollastonite		Tonne	6,39,945	81,08,309	87,48,254	
Alwar	Copper	Ore	1000 Tonnes	0	23,337	23,337
		Metal		0	182.26	182.26
	Gold	Ore	Tonne	0	29,00,000	29,00,000
		Metal		0	2.16	2.16
	Graphite		Tonne	0	945	945
	Iron Ore (Hematite)		1000 Tonnes	0	1,415	1,415
	Limestone		1000 Tonnes	0	27,254	27,254
	Rock Phosphate		Tonne	0	64,00,000	64,00,000
Silver	Ore	Tonne	0	31,50,000	31,50,000	
	Metal		0	22.83	22.83	
Banswara	Copper	Ore	1000 Tonnes	0	8,513	8,513
		Metal		0	20.05	20.05
	Gold	Ore	Tonne	0	10,97,33,000	10,97,33,000
		Metal			221.67	221.67
	Graphite		Tonne	0	18,75,370	18,75,370
	Limestone		1000 Tonnes	41,645	8,30,416	8,72,061
	Manganese		1000 Tonnes	568	1,280	1,849
Rock Phosphate		Tonne	0	66,50,750	66,50,750	
Baran	Limestone		1000 Tonnes	0	6,300	6,300
Barmer	Diatomite		1000 Tonnes	0	1,440	1,440
	Vermiculite		Tonne	0	13,000	13,000
Bharatpur	Copper	Ore	1000 Tonnes	0	22	22
		Metal		0	0.24	0.24
Bhilwara	Asbestos		Tonne	0	270	270
	Copper	Ore	1000 Tonnes	0	31,158	31,158
		Metal		0	179.62	179.62
	Garnet		Tonne	1,82,405	4,05,234	5,87,639
	Gold	Ore	Tonne	0	12,70,000	12,70,000
		Metal		0	0.72	0.72
	Iron Ore (Magnetite)		1000 Tonnes	1,18,678	6,67,031	7,85,709
	Ore	1000 Tonnes	39,100	78,533	1,17,633	

	Lead-Zinc Ore	Lead Metal		632.15	1408.18	2040.33
		Zinc Metal		4938.21	5685.9	10624.11
		Lead & Zinc Metal		0	24.68	24.68
	Limestone		1000 Tonnes	0	4,03,399	4,03,399
	Silver	Ore	Tonne	3,91,00,000	4,58,22,579	8,49,22,579
		Metal		2120.2	3123.55	5243.75
Bikaner	Limestone		1000 Tonnes	0	4,495	4,495
	Potash		Million Tonnes	0	96	96
Bundi	Copper	Ore	1000 Tonnes	0	1,980	1,980
		Metal		0	18.22	18.22
	Limestone		1000 Tonnes	2,29,450	10,70,520	12,99,970
Chittorgarh	Copper	Ore	1000 Tonnes	0	18,720	18,720
		Metal		0	158.48	158.48
	Lead-Zinc Ore	Ore	1000 Tonnes	0	1,200	1,200
		Lead Metal		0	64.8	64.8
		Zinc Metal				4.8
Limestone		1000 Tonnes	13,32,053	30,77,135	44,09,188	
Churu	Limestone		1000 Tonnes	0	128	128
Dausa	Copper	Ore	1000 Tonnes	0	4,600	4,600
		Metal		0	54.28	54.28
	Gold	Ore	Tonne	0	46,00,000	46,00,000
		Metal		0	6.67	6.67
	Iron Ore (Heamatite)		1000 Tonnes	0	3,388	3,388
Dungarpur	Asbestos		Tonne	0	4,167	4,167
	Copper	Ore	1000 Tonnes	0	1,090	1,090
		Metal			0	13
	Fluorite		Tonne	18,099	33,00,850	33,18,950
	Gold	Ore	Tonne	0	45,00,000	45,00,000
		Metal			0	1.13
	Limestone		1000 Tonnes	0	568	568
Magnasite		1000 Tonnes	0	45,000	45,000	
Wollastonite		Tonne	0	54,800	54,800	
Jaipur	Copper	Ore	1000 Tonnes	0	23,810	23,810
		Metal		0	113.43	113.43
	Iron Ore (Heamatite)		1000 Tonnes	2,595	7,860	10,455
	Limestone		1000 Tonnes	1,71,660	1,06,668	2,78,328
Rock Phosphate		Tonne	0	67,250	67,250	
Jaisalmer	Diatomite		1000 Tonnes	0	634	634
	Limestone		1000 Tonnes	7,38,890	1,13,92,728	1,21,31,618
	Potash		Million Tonnes	0	22	22
	Rock Phosphate		Tonne	0	87,38,150	87,38,150
Jalore	Fluorite		Tonne	0	5,84,716	5,84,716
Jhalawar	Fluorite		Tonne	0	2,58,128	2,58,128
Jhunjhunu	Copper	Ore	1000 Tonnes	34,388	5,05,683	5,40,071
		Metal		483.08	2482.49	2965.57
	Fluorite		Tonne	0	7,33,626	7,33,626
	Garnet		Tonne	0	2,570	2,570
	Iron Ore (Heamatite)		1000 Tonnes	3,946	3,717	7,663

	Iron Ore (Magnatite)		1000 Tonnes	2,017	2,559	4,576	
	Limestone		1000 Tonnes	0	5,90,217	5,90,217	
	Silver	Ore	Tonne	4,50,51,091	2,67,48,418	7,17,99,509	
		Metal		211.16	84.46	295.62	
Jodhpur	Limestone		1000 Tonnes	0	71,621	71,621	
Karauli	Potash		Million Tonnes	0	57	57	
Kota	Bauxite		1000 Tonnes	0	528	528	
	Limestone		1000 Tonnes	1,07,226	2,77,838	3,85,064	
Nagaur	Limestone		1000 Tonnes	1,47,899	24,03,033	25,50,932	
	Potash		Million Tonnes	0	20,397	20,397	
	Tungsten	Ore	Tonne	0	2,37,75,123	2,37,75,123	
Contained WO ₃				0	93179	93179	
Pali	Asbestos		Tonne	0	31,42,298	31,42,298	
	Copper	Ore	1000 Tonnes	0	1,997	1,997	
		Metal			0	16.58	16.58
	Lead-Zinc	Ore	1000 Tonnes	0	1,997	1,997	
		Lead Metal				2.29	2.29
		Zinc Metal				106.25	106.25
	Limestone		1000 Tonnes	11,15,806	11,08,805	22,24,611	
Magnasite		1000 Tonnes	0	2,626	2,626		
Wollastonite		Tonne	20,41,033	55,61,070	76,02,103		
Rajsamand	Asbestos		Tonne	0	31,72,041	31,72,041	
	Copper	Ore	1000 Tonnes	0	26,800	26,800	
		Metal			0	27.85	27.85
	Garnet		Tonne	0	2,75,463	2,75,463	
	Lead-Zinc Ore	Ore	1000 Tonnes	49,000	1,99,029	2,48,029	
		Lead Metal			1056.67	3814.19	4870.86
		Zinc Metal			1927.56	8311.12	10238.68
	Lead & Zinc Metal			0	84.25	84.25	
Silver	Ore	Tonne	4,90,00,000	16,03,60,000	20,93,60,000		
	Metal			4985.64	13928.55	18914.19	
Sawai Madhopur	Limestone		1000 Tonnes	0	52,494	52,494	
Sikar	Apatite		Tonne	0	37,521	37,521	
	Copper	Ore	1000 Tonnes	0	1,58,455	1,58,455	
		Metal			0	627.14	627.14
	Fluorite		Tonne	0	3,50,000	3,50,000	
	Garnet		Tonne	0	3,972	3,972	
	Iron Ore (Heamatite)		1000 Tonnes	773	385	1,159	
	Iron Ore (Magnatite)		1000 Tonnes	365	4,276	4,642	
	Lead-Zinc Ore	Ore	1000 Tonnes	0	650	650	
		Lead Metal			0	1.56	1.56
	Limestone		1000 Tonnes	2,238	2,59,747	2,61,985	
	Pyrite		1000 Tonnes	0	90,876	90,876	
Silver	Ore	Tonne	0	50,00,000	50,00,000		
	Metal			0	125	125	
Sirohi	Copper	Ore	1000 Tonnes	0	7,674	7,674	
		Metal			0	111.62	111.62

	Fluorite		Tonne	0	93,917	93,917
	Gold	Ore	Tonne	0	24,30,720	24,30,720
		Metal		0	1.13	1.13
	Lead-Zinc Ore	Ore	1000 Tonnes	0	6,604	6,604
		Lead Metal		0	24.94	24.94
		Zinc Metal		0	106.46	106.46
		Lead & Zinc Metal			33.3	33.3
	Limestone		1000 Tonnes	5,88,118	7,88,039	13,76,157
	Tungsten	Ore	Tonne	0	1,53,171	1,53,171
		Contained WO ₃		0	528.94	528.94
	Wollastonite		Tonne	0	37,91,642	37,91,642
Tonk	Garnet		Tonne	25,469	64,955	90,424
Udaipur	Apatite		Tonne	0	10,30,000	10,30,000
	Asbestos		Tonne	0	38,38,598	38,38,598
	Copper	Ore	1000 Tonnes	0	10,283	10,283
		Metal		0	70.59	70.59
	Fluorite		Tonne	0	2,65,280	2,65,280
	Gold	Ore	Tonne	0	4,80,000	4,80,000
		Metal		0	1.08	1.08
	Iron Ore (Hematite)		1000 Tonnes	0	11,400	11,400
	Kyanite		Tonne	0	23,703	23,703
	Lead-Zinc Ore	Ore	1000 Tonnes	11,794	2,62,199	2,73,993
		Lead Metal		182.36	3472.78	3655.14
		Zinc Metal		409.03	8100.1	8509.13
	Limestone		1000 Tonnes	2,62,508	9,06,372	11,68,880
	Magnasite		1000 Tonnes	0	5	5
	Manganese Ore		1000 Tonnes	0	510	510
	Rock Phosphate		Tonne	2,18,45,000	5,01,47,619	7,19,92,619
Sillimanite		Tonne	0	819	819	
Silver	Ore	Tonne	1,17,94,000	9,30,79,000	10,48,73,000	
	Metal		327.06	4417.84	4744.9	
	Wollastonite		Tonne	0	29,18,134	29,18,134

Source: National Mineral Inventory as on 01.04.2020; figures rounded off (Except metals)