

GOVERNMENT OF INDIA  
MINISTRY OF MINES  
RAJYA SABHA  
UNSTARRED QUESTION NO. 1555  
ANSWERED ON 08.03.2021

**ASSESSMENT OF MINERALS IN RAJASTHAN**

1555. SHRI K.J. ALPHONS:

Will the Minister of MINES be pleased to state:

- (a) whether the Ministry has done a complete assessment of the minerals available in Rajasthan;
- (b) whether the results have been published in public domain; and
- (c) the plan for utilization of these minerals;

**ANSWER**

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

(a): Assessment of mineral resources is a dynamic process and GSI is actively engaged in geological mapping followed by mineral exploration with an aim to find out mineral deposits both on the ground and underneath. Every year, as per approved annual Field Season Programme, GSI takes up different stages of mineral exploration viz. reconnaissance surveys (G4), preliminary exploration (G3) and general exploration (G2) following the guidelines of United Nations Framework Classification (UNFC) and Mineral Evidence and Mineral Content Rules (MEMC-2015) for augmenting mineral resource. In practice, the resource bearing G2 /G3 stage mineral investigation reports of GSI are handed over to the concerned state government for consideration in the auctioning process. Since MMDR Amendment Act 2015, 19 nos. resource being G2/ G3 geological reports pertaining to Rajasthan have been handed over to the Rajasthan State government (Supplementary-I).

The accessible part of the entire country including Rajasthan has already been mapped on 1:50,000 scale by GSI and the mineral belts in the hard rock areas have also been identified. Since inception, GSI has discovered and estimated large quantum of mineral resources for various commodities like tin, tungsten, copper, lead – zinc , iron, manganese, bauxite, limestone, gold, chromite, PGE, Molybdenum, Rock phosphate, potash, clay in addition to energy mineral resources (coal & lignite) in various parts of the country including Rajasthan. The details of the mineral resources established by GSI with the help of exploration carried out from Field Season 2014-15 onwards is given in Annexure.

(b): All the Geoscience data in respect of exploration carried out by GSI is available in 'BHUKOSH' on GSI's website. The data is accessible as per the Data sharing & accessibility policy of GSI, 2019.

(c): The power to grant these mineral concessions vests in the State Governments. The extraction of minerals depends on the grant of the mineral concessions by the State Government and the utilization of mineral resources is done by exploiting and subsequent use by the industry.

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## ANNEXURE

**The details of the mineral resources established by GSI with the help of exploration carried out from  
Field Season 2014-15 onwards**

Sl.No.	State	F. S. Year	Commodity	Block/Area	UNFC Stage	Resource in Million Tonne (MT)	Grade
1.	Rajasthan	2014-15	Copper	Gundelpara West Block, Vill-Gundelpara, Banswara district.	G3	0.43 MT	0.38 % Cu.
2.	Rajasthan	2014-15	Gold	Gundelpara West Block, Vill-Gundelpara.	G3	0.43 MT	0.32 g/t Au.
3.	Rajasthan	2015-16	Gold	Jagpura	G2	0.97 mt	gold ore at 1.07 g/t.
4.	Rajasthan	2015-16	Copper	Jagpura	G2	1.06 mt	at 0.28 % Cu.
5.	Rajasthan	2015-16	Copper	Bokri-Malwali	G3	3.39 mt	at 0.27 % Cu.
6.	Rajasthan	2015-16	Copper	Khera (SE)	G3	1.01 Mt	at 0.63 % Cu.
7.	Rajasthan	2015-16	Copper Gold Silver	Khera Main Block	G2	35.71 MT 3.61MT 2.51MT 11.40MT	at 0.34%Cu (0.20% cut-off) at 0.77g/t Au at 6.72g/t Ag at 0.61% Cu (0.50% cut-off)
8.	Rajasthan	2015-16	Copper	Southern extn. Of Nangwas Block	G3	1.90 mt	0.34% Cu at 0.20% Cu cut off
9.	Rajasthan	2015-16	Copper	West of Nangwas Block	G2	20.40 mt	0.32 % Cu at 0.20% Cu cut off
10.	Rajasthan	2015-16	Limestone	North of Jiraj Ka Toba-BI-A	G3	346.19 MT	SMS, Cement grade
11.	Rajasthan	2015-16	Limestone	Miyun Ki Dhani (North Block)	G3	258 MT	Chem., SMS, Cement grade
12.	Rajasthan	2015-16	Limestone	Miyon Ki Dhani Main Block	G2	441.957 MT	Chem., SMS, Cement grade
13.	Rajasthan	2016-17	Copper	Toda-Ramliyawas Bk.	G2	7.72 MT	at 0.45% Cu at 0.20% Cu cut off
14.	Rajasthan	2016-17	Copper	Kamalpura	G2	5.3mt 9.72mt	0.47% Cu 0.36% Cu
15.	Rajasthan	2016-17	Copper	Kamalpura NE	G3	6.5mt 3.78mt	0.41% Cu at 0.20% Cu cut off 0.54% Cu at 0.30% Cu cut off
16.	Rajasthan	2016-17	Copper, gold, silver	Mundiyawas	G3	1.67mt Cu 0.45mt Au 0.21mt Ag	0.63% Cu 1.21g/t Au 15g/t Ag
17.	Rajasthan	2017-18	Gold, copper,silver	Khera SE block, Mundiyawas-Khera area	G2	3.01MT Cu 0.16MTAu 0.7Mt Ag	0.56% 0.66 g/t 5.0 g/t
18.	Rajasthan	2017-18	basemetal	western part of Southern Nanagwas block	G2	2.08 MT	0.36% Cu
19.	Rajasthan	2017-19	limestone	Tanasar (East) Block	G3	132.06 MT 22.54MT	48.75% CaO 53.73% CaO
20.	Rajasthan	2017-18	limestone	Tanasar (west) Block	G3	3.75 MT 1.56MT	48.60% CaO 53.73% CaO
21.	Rajasthan	2017-18	basemetal	Eastern part of Southern Extension of Nanagwas block	G3	0.90MT	0.26%Cu

22.	Rajasthan	2017-18	Copper	Dariba North block	G2	4.23MT	0.29% Cu at 0.20% cut-off
23.	Rajasthan	2017-18	Copper	Gangas	G2	0.79MT	0.68 % Cu at 0.20% cut off
24.	Rajasthan	2017-18	Tungsten	Rewat Hill, Degana		1.36 MT	0.07% W (700ppm)
25.	Rajasthan	2017-18	Copper	between Bokri and Malwali prospects	G3	1.15MT	0.30% Cu
26.	Rajasthan	2016-17 and 2017-18	Potash	Satipura sub-basin of Nagaur - Ganganagar Evaporite Basin	G3	Potash: 133.07 MT 67.52 MT 44.60 MT Halite: 3284.01MT	3.34% K at 2% cut off 4.82% K at 3% cut off 6.31% K at 4% cut off 35.75% Na at 35% cut off with more 80% of NaCl
27.	Rajasthan	2017-18 & 2018-19	Copper Gold Silver	Mundiyawas block	G2	Copper: 1.77 MT Gold: 0.42 MT Silver: 0.13 MT	0.64% Cu 1.15g/t Au 14.98g/t Ag
28.	Rajasthan	2018-19	Copper	Northern part of Toda-Ramliyas block	G2	2.33 MT	0.54% Cu
29.	Rajasthan	2018-19	Copper	Bokri north and its northeastern continuity	G2	3.83 MT (G2 resource for 1 <sup>st</sup> & 2 <sup>nd</sup> level BH) 1.00 MT (G3 resource for 3rd level BH)	0.28% Cu 0.38% Cu
30.	Rajasthan	2018-19	Copper	Kamalपुरa and Kamalपुरa NE block	G2	21.59 MT	0.36% Cu
31.	Rajasthan	2018-19	Limestone	Bharmal Ki Tekri Block	G2	5.560MT 32.151MT	SMS grade with CaO-53.52% Cementgrade with CaO-48.57%
32.	Rajasthan	2018-19	Limestone	Kamiyon Ki Beri Block	G2	180.40 MT 40.14 MT	Cement grade with CaO - 49.54% SMS grade with CaO-53.65%
33.	Rajasthan	2018-19	Limestone	Sakar kiDhani Block	G2	27.49 MT 135.66 MT	SMS grade with CaO- 53.72% Cement grade with CaO- 50.68%
34.	Rajasthan	2018-19	Copper	Northeast continuity of Malwali block	G3	2.77 MT	0.41 % Cu
35.	Rajasthan	2018-19	Copper	Bisoni block	G3	1.5 MT)	0.29% Cu

**Details of Energy Mineral (Lignite)G3 resource augmented by GSI during FS 2014-15 to FS 2017-18**

Sl.No.	State	F. S. Year	Commodity	UNFC Stage	Resource in Million Tonne (MT)
1	Rajasthan	2014-15	Lignite	333	2.21
2	Rajasthan	2015-16	Lignite	333	9.26