

GOVERNMENT OF INDIA
MINISTRY OF MINES
LOK SABHA
STARRED QUESTION No. *253
ANSWERED ON 17.12.2025

KEY MINERALS IDENTIFIED BY GSI IN MEGHALAYA

*253. DR. RICKY ANDREW J SYNGKON:

Will the Minister of MINES be pleased to state:

- (a) whether the Geological Survey of India (GSI) has completed mineral mapping of Meghalaya State and if so, the details thereof along with the key mineral resources identified; and
- (b) the details of the measures taken by the Government to promote sustainable and scientific mining practices in the State?

ANSWER

THE MINISTER OF COAL AND MINES
(SHRI G. KISHAN REDDY)

(a) and (b): A Statement is laid on the table of the House.

THE STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO. *253 REGARDING 'KEY MINERALS IDENTIFIED BY GSI IN MEGHALAYA' ASKED BY DR. RICKY ANDREW J SYNGKON, MEMBER OF PARLIAMENT FOR REPLY ON 17th DECEMBER 2025.

(a): Geological Survey of India (GSI) has completed Geological Mapping on 1:50,000 (50K) scale in the entire State of Meghalaya. Besides, GSI has also completed Geochemical Mapping and Geophysical Mapping on 1:50K of Meghalaya except a few inaccessible parts.

GSI has identified huge limestone resource potential in parts of Jaintia, Khasi and Garo-hills districts. Since MMDR Amendment Act, 2015, a total of 6626.50 million tonnes of Limestone resource have been established in the State of Meghalaya. The details are provided in Annexure.

(b): The Ministry of Mines has instituted Sustainable Development Framework (SDF) for taking up mining activity in the country, including in the State of Meghalaya, encompassing inclusive growth, without adversely affecting the social, economic and environmental well-being, at present and also in future generations. Adequate provisions have been incorporated under Mineral Conservation and Development Rules, 2017 mandating every lease holder to implement sustainable mining. Provisions have also been incorporated mandating the submission of digital aerial images (Drone/ Satellite imageries) which provide highly accurate aerial imagery and 3D mapping of lease areas.

Further, Star Rating of mines has been implemented through Indian Bureau of Mines (IBM), a Subordinate office of the Ministry of Mines, which has a two-tier system providing self-evaluation templates to be filled in by the mine operator followed by validation by IBM through field inspection. A star rating from 0 to 5 is awarded every year to each lessee based on their performance during the previous year.

Resource of Limestone established by GSI in the State of Meghalaya since MMDR Amendment Act 2015

Sl. No.	District	Field Season	Block	Resource (in Million Tonne)
1	Jaintia Hills	2015-16	Um-Maju Block, Litang Valley	69.43
2	Jaintia Hills	2015-16	Shyrwang Block	247.87
3	Jaintia Hills	2015-16	Jalaphet Block	61.66
4	East Jaintia Hills	2016-17	West of Ishamati Block	71.78
5	East Jaintia Hills	2016-17	North of Larket Block	247.45
6	East Jaintia Hills	2016-17	Shongrim-Molasngi Block	182.01
7	East Jaintia Hills	2016-17	Tongseng-Shongrim Block	202.60
8	East Jaintia Hills	2016-17	Mynthing Block	97.64
9	East Jaintia Hills	2017-18	Samasi-Pala Block	363.18
10	East Jaintia Hills	2017-18	East of Laphet area	607.65
11	East Jaintia Hills	2017-18	South of Akshe Block	559.35
12	East Jaintia Hills	2017-18	Umkyrpong area	496.82
13	East Jaintia Hills	2018-19	Akshe Block	516.70
14	East Jaintia Hills	2018-19	South East of Akshe Block	706.80
15	East Jaintia Hills	2018-19	North Pala Block	522.34
16	East Jaintia Hills	2019-20	Khaidong Shnongrim Block	385.21
17	East Jaintia Hills	2019-20	Lamarsiang Block	228.36
18	East Jaintia Hills	2019-20	South-West of Mynthlu Block	170.74
19	East Jaintia Hills	2023-24	Khunti Block	888.91