

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2674
ANSWERED ON 22.12.2022

SOURCING MATERIALS FOR EV EXPANSION

2674. SHRI VISHNU DAYALRAM

Will the Minister of New & Renewable Energy be pleased to state:

- (a) Whether it is true that the country has naturally occurring reserves of lithium available for mining;
- (b) if so, the details thereof and if not, the manner in which the Government plans on sourcing materials for expansion of Electric Vehicle (EVs);
- (c) the environmental implications of lithium mining in the country;
- (d) whether the Government proposes any plan on mitigate the environmental degradation caused due to lithium mining and if so, the details thereof;
- (e) whether the Government is aware of the carbon footprint left by every one tonne of lithium mining and if so, the step taken/being taken by the Government to mitigate this issue; and
- (f) the details of its impact on country's goal of net carbon neutrality?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) & (b) Ministry of Mines has informed that lithium reserves are yet to be discovered in the country. Geological Survey of India (GSI) carries out mapping and exploration activities for various mineral commodities including lithium etc. in different parts of the country with an aim to find out potential mineralized locales as well as to augment mineral resource. The details of projects on lithium & associated elements carried out by GSI in last few years as well as projects taken up in current year 2022-23 are given in **Annexure**.

Further, with a view to explore opportunities of procuring critical minerals, including Lithium, from other countries, a Joint Venture company in the name of Khanij Bidesh India Limited (KABIL) has been created with participation of NALCO, HCL and MECL.

(c) to (f) In view of above reply, question does not arise.

Annexure in reply to Lok Sabha Unstarred Question no. 2674 to be Answered on 22.12.2022

The details of mineral exploration by GSI during last 3 years and current year 2022-23

Sl. No.	FS year	State	District	Name of Mineral Block / Area/ Belt	UNFC Stage	Mineral Commodity
1	2019-20	Bihar	Nawada	Pichhli-Meghatari	G4	Lithium, Rare Earth Element (REE) and Rare Metal (RM)
2		Meghalaya	East Khasi Hills	Umlingpung	G4	Lithium, REE & RM
3		Himachal Pradesh	Kinnaur	Nako	G4	Tin, Tungsten, Lithium (Li), Molybdenum, RM and REE
4		Rajasthan	Sirohi	Sibagaon	G3	Lithium & rare metals
5	2019-20 & 20-21	Rajasthan	Nagaur	Rewat Hill	G2	Tungsten, Lithium
6						
7	2020-21	Madhya Pradesh	Betul	Kesmar -Mendakheda	G4	scandium, lithium
8		Bihar	Jamui	Harni-Kalwadih- Charkapthal	G4	Lithium, REE, RM
9		Jharkhand	Koderma	Dhorakola- Kusahna	G4	Lithium and Caesium
10		Bihar	Jamui	Parmania-Tetariya	G4	Lithium, REE, RM
11		Jammu & Kashmir	Reasi	Salal-Haimna	G3	Bauxite, REE & lithium
12	2021-22	Chhattisgarh	Korba	TarmaPahar and Konkona	G4	Lithium, RM
13		Arunachal Pradesh	West Kameng	Nafra	G4	Lithium, tin & tungsten
14		Jammu & Kashmir	Reasi	Sersandu – Kherikot – Rahotkot - Darabi	G4	Base Metal, bauxite, REE & lithium
15		Andhra Pradesh	Anantpur and Kadapa	Parnapalle-Lopatanutula	G4	Lithium
16		Jharkhand	Giridih	Gawan	G4	Li, Cs, REE and RM
17		Jharkhand	Koderma	Pihra	G4	Li, Cs, REE and RM
18		Rajasthan	Nagaur	Mohangarh	G3	tungsten, lithium
19	2021-22 & 2022-23					
20	2022-23	Chhattisgarh	Raigarh and Jashpur	Tamta, Raghunathpur and Sureshpur	G4	Lithium
21		Chhattisgarh	Korba	Katghora-Rampur	G3	Lithium
22		Jharkhand	Kodera	Tilaiya	G4	Lithium, Caesium, REE, RM
23		Arunachal Pradesh	Tirap	Pullung, Paniduriya , Borduria and Kaimoi	G4	Lithium
24		Nagaland	Phek	Hutsu, Satuza and Phor	G4	Lithium
25		Meghalaya	Ri-Bhoi	Amjong, Umtra and Umlaber	G4	REE, Lithium
26		Meghalaya	East Garo Hills	Williamnagar-Nengkhra	G4	Lithium
27		Meghalaya	East Khasi Hills	Myliem and Lailynkhwir	G4	Polymetallic- molybdenum, tungsten, REE, lithium and associated minerals
28		Meghalaya	East Garo Hills	Mangsang-Niangbrakithim	G4	Sillimanite, Lithium
29		Jammu & Kashmir	Reasi	Panasa – Dugga – Baldhanun – Chakar - Sangarmarg (Saro-da-Bas)	G4	Bauxite, REE, Lithium
30		Ladakh	Leh	Tsokar, Pangong, Tsomorari, Kyagar and Kyun Tso	G4	Lithium
31		Rajasthan	Udaipur	Khuna-Merapur-Pandibor	G4	Tellurium, Lithium, Gold
32		Rajasthan	Sirohi	Uttara-Balda	G4	Tungsten, Lithium
33		Rajasthan	Nagaur	Pipaliya	G3	Tungsten, Lithium
34		Gujarat	Banaskantha and Sabarkantha	Jodhsar-Unchidhanal	G4	RM, Lithium, Caesium
35		Gujarat	Banaskantha and Sabarkantha	Pathora-Digthali	G4	RM, Lithium, Caesium
36		Rajasthan	Nagaur	northern and eastern extension of Rewat Hill	G2	Tungsten, Lithium
37		Rajasthan	Nagaur	southern extension of Rewat Hill	G2	Tungsten, Lithium