

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION No. 1777
TO BE ANSWERED ON 27.07.2022

URANIUM DEPOSITS

1777. SHRI RAHUL KASWAN:

Will the PRIME MINISTER be pleased to state:

- (a) the details of the uranium deposits available in the country at present in various plants especially in Rajasthan;
- (b) whether the National Geophysical Research Institute (NGRI) has identified potential area of uranium deposits in various States of the country particularly in the Sikar district of Rajasthan;
- (c) If so, the details thereof and the details of the estimated quantity of the uranium deposits in those areas, State-wise particularly in Sikar district of Rajasthan; and
- (d) the steps taken by the Government for extraction of uranium from the said deposits and setting up of uranium treatment plant in the said States particularly in Rajasthan?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

- (a) The Atomic Minerals Directorate for Exploration and Research (AMD), a constituent unit of Department of Atomic Energy (DAE), has established a total of 3,82,675 tonne (t) in situ U_3O_8 in forty-seven (47) uranium deposits in Andhra Pradesh, Telangana, Jharkhand, Meghalaya, Rajasthan, Karnataka, Chhattisgarh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Maharashtra. The State – wise details of uranium deposits are given in Table -1.

In Rajasthan, AMD has established a total of 15,631t in-situ U_3O_8 in five (05) uranium deposits. Details of uranium deposits are given in Table – 1.

(b) No Sir. AMD is carrying out exploration for uranium in the potential geological domains of the country. As part of the exploration programme, AMD outsources certain quantum of heliborne geophysical surveys to National Geophysical Research Institute (NGRI), in addition to the coverage by AMD.

(c) In view of Answer (b), the query does not arise.

Further, the estimated quantity of uranium in the deposits established by AMD state-wise, particularly in Sikar district, Rajasthan is given in Table – 1.

(d) The reports of uranium deposits established by AMD are handed over to the Uranium Corporation of India Limited (UCIL), a Public Sector Undertaking of DAE for mining. Mining technology and economics are important criteria which decide the exploitation and extraction status of a deposit like other mineral deposits.

Pre-Project activities required for obtaining statutory clearances have been initiated by Uranium Corporation of India Ltd. As a part of this, State Govt. of Rajasthan has issued Letter of Intent (LOI) for granting of mining lease to UCIL.

Presently, the deposits at Jaduguda, Narwapahar, Bagjata, Bhatin, Banduhurang, Turamdih and Mohuldih in Jharkhand and Tummalapalle in Andhra Pradesh are under exploitation by UCIL.

Table -1: State-wise details of the uranium resources

State	District	Name of the deposit	Resource (tonne)	Status
			U ₃ O ₈	
Andhra Pradesh	Kadapa	Tummalapalle Group	2,25,879	Existing mine (Under investigation)
	Guntur	Koppunuru	2,761	Under investigation
	Sub-total		2,28,640	
Telangana	Nalgonda	Lambapur	1,450	Planned mining centre
		Peddagattu	7,585	Planned mining centre
		Chitrial	9,515	Planned mining centre
	Sub-total		18,550	
Jharkhand	East Singhbhum	Jaduguda	8,038	Existing mine
		Jaduguda North - Baglasai - Mechua	7,555	Under investigation
		Bhatin	1,700	Existing mine
		Narwapahar (NWP) + NWP Extn.	11,780	Existing mine
		Narwapahar Deeper	10,723*	Extension of existing mine
		Singridungri-Banadungri	9,856*	Under investigation
		Turamdih Group	11,510	Existing mine
		Banduhurang	6,489	Existing mine
		Bagjata	1,860	Existing mine
		Mohuldih	3,330	Existing mine
		Garadih	1,270	Small deposit
		Kanyaluka	1,970	Small deposit
		Nimdih	815	Small deposit
		Rajgaon	1,200	Small deposit
		Rajdah	1,019	Under investigation
	Kudada	2,000	Under investigation	
Saraikela-Kharswan	Bangurdih	1,785	Under investigation	
Sub-total		82,900		
Meghalaya	South West Khasi Hills	KPM (Domiasiat)	9,500	Planned mining centre
		Wahkyn - Wahkut	9,764	Exploratory mining planned
		Gomaghat-Phlangdiloin	1,000	Small deposit
		Tyrnai	600	Small deposit
		Lostoin	869	Small deposit
		Umthongkut	1,535	Small deposit
	Sub-total		23,268	

Rajasthan	Sikar	Rohil	8,813	Exploratory mining centre (Under investigation)
		Rohil (West)	1,086	Under investigations
		Jahaz	3,570	Under investigation
		Geratiyon Ki Dhani	1,002	Under investigations
	Udaipur	Umra	1,160	Small deposit
Sub-total			15,631	
Karnataka	Yadgir	Gogi	4,267	Exploratory mining centre
		Kanchankayi	2,194	Under investigation
		Hulkal	800	Under investigation
	South Canara	Walkunji-Yellakki	415	Small deposit
	Sub-total			7,676
Chhattisgarh	Rajnandgaon	Bodal	1,530	Small deposit
		Bhandaritola	518	Small deposit
	Surguja	Jajawal	1,438	Small deposit
		Dumath - Dhabhi	500	Small deposit
	Sub-total			3,986
Uttar Pradesh	Sonbhadra	Naktu	785	Under investigation
	Sub-total			785
Uttarakhand	Rudraprayag	Pokhri-Tunji	100	Small deposit
Sub-total			100	
Himachal Pradesh	Una	Rajpura	364	Under investigation
	Shimla	Kasha-Kaladi	200	Small deposit
	Mandi	Tileli	220	Small deposit
	Sub-total			784
Maharashtra	Gondia	Mogarra	355	Small deposit
	Sub-total			355
Grand total			3,82,675	

*Redistribution of U resources of Narwapahar Deep and Singridungri – Banadungri has been done in accordance with the recasting of U – resources with the boundaries of mining lease areas by Uranium Corporation of India Limited (UCIL).

