

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.1124
TO BE ANSWERED ON 11.02.2021

ANNUAL PRODUCTION OF URANIUM

1124 Prof. Manoj Kumar Jha:

Will the PRIME MINISTER be pleased to state:

- (a) whether the current annual production of Uranium in the country is enough to meet the annual fuel requirement of all the operational Uranium based Nuclear Power Plants and if so, the details thereof;
- (b) the details of estimated Uranium reserves and extraction potential in the country, Uranium mine-wise and State/UT-wise and the details of the Uranium extracted during each of the last three years, Uranium mine-wise and State/UT-wise along with the funds allocated and utilized thereon in the said period; and
- (c) the steps taken by Government to undertake more Uranium exploration activities in various States including Andhra Pradesh?

ANSWER

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

(a) No, Sir.

(b) Details of Estimated Uranium reserves in the Country:

Atomic Minerals Directorate for Exploration and Research (AMD), Hyderabad, a constituent unit of Department of Atomic Energy (DAE), has the mandate to identify, evaluate and augment mineral resources of uranium in the country. AMD has carried out exploration and prospecting for uranium deposits in a number of

prospective geological domains of India. As on December, 2020, a total of 3,45,362 tonne (t) *in situ* U_3O_8 (2,92,866t U) has been established in forty four (44) 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.

It is not in the public interest to disclose the details of uranium extraction.

- (c) As part of the steps taken by the Government, AMD is presently carrying out integrated, multi-disciplinary exploration including geologic, radiometric geochemical, heliborne and ground geophysical surveys and drilling in identified thrust areas in the following states by utilising state-of-the-art technology:

Andhra Pradesh, Karnataka, Jharkhand, Odisha, Assam, Arunachal Pradesh, Rajasthan, Himachal Pradesh, Madhya Pradesh, Chhattisgarh, Maharashtra and Uttar Pradesh.

In Andhra Pradesh, AMD is carrying out uranium exploration in the following areas:

Tummalapalle - Rachakuntapalle - Motnupalapalle - Kanampalle - Velamvaripalle - Kumarampalle - Kottal - Kumarampalle - Madhavaram – Eguva Gottividu, YSR Kadapa district, Sivramapuram - Pincha, YSR Kadapa and Chittoor districts; Obuladevracheruvu – Muthyalacheruvu, Anantapur district; Sarangapali - Madinapadu - Tangeda - Bhatrupalem, Bommarajupalle - Mincahalpadu - Agnigundala, Gajapuram - Marriplaem - Sholeypalem - Kakirala, Guntur district and Govardanagiri - Dhone - Kothakota, Kurnool district.

Table 1 State-wise details of the uranium resources

State	District	Name of the deposit	Resource (tonne)		Status
			U ₃ O ₈	U	
Andhra Pradesh	Kadapa	Tummalapalle Group	1,92,990	1,63,656	Existing mine (Under investigation)
	Guntur	Koppunuru	2,761	2,341	Under investigation
	Sub-total		1,95,751	1,65,997	
Telangana	Nalgonda	Lambapur	1,450	1,229	Planned mining centre
		Peddagattu	7,585	6,432	Planned mining centre
		Chitrial	9,515	8,069	Under investigation
	Sub-total		18,550	15,730	
Jharkhand	East Singhbhum	Jaduguda	8,038	6,816	Existing mine
		Jaduguda North + Baglasai - Mechua	6,810	5,775	Under investigation
		Bhatin	1,700	1,442	Existing mine
		Narwapahar (NWP) + NWP Extn.	11,780	9,989	Existing mine
		Narwapahar Deep	8,034	6,813	Extension of existing mine
		Turamdih Group	11,510	9,760	Existing mine
		Banduhurang	6,489	5,503	Existing mine
		Bagjata	1,860	1,577	Existing mine
		Mohuldih	3,330	2,824	Existing mine
		Garadih	1,270	1,077	Small deposit
		Kanyaluka	1,970	1,670	Small deposit

		Nimdih	815	691	Small deposit
		Rajgaon	1,200	1,018	Small deposit
		Singridungri-Banadungri	12,575	10,664	Under investigation
		Rajdah	1,019	864	Under investigation
	Saraikele-Kharswan	Bangurdih	1,785	1,514	Under investigation
	Sub-total		80,185	67,997	
Meghalaya	South West Khasi Hills	KPM (Domiasiat)	9,500	8,056	Planned mining centre
		Wahkyn - Wahkut	9,764	8,280	Exploratory mining planned (Under investigation)
		Gomaghat-Phlangdiloin	1,000	848	Small deposit
		Tyrnai	600	509	Small deposit
		Lostoin	869	737	Small deposit
		Umthongkut	1,535	1,301	Small deposit
	Sub-total		23,268	19,731	
Rajasthan	Sikar	Rohil	8,610	7,301	Exploratory mining centre (Under investigation)
		Rohil (West)	955	810	Small deposit
		Jahaz	3,570	3,027	Under investigation
	Udaipur	Umra	1,160	984	Small deposit
	Sub-total		14,295	12,122	
Karnataka	Yadgir	Gogi	4,267	3,618	Exploratory mining centre
		Kanchankayi – Hulkal	2,621	2,223	Under investigation
	South Canara	Walkunji-Yellakki	415	352	Small deposit
	Sub-total		7,303	6,193	

Chhattisgarh	Rajnandgaon	Bodal	1,530	1,297	Small deposit
		Bhandaritola	518	439	Small deposit
	Surguja	Jajawal	1,438	1,219	Small deposit
		Dumath - Dhabhi	500	424	Small deposit
	Sub-total		3,986	3,379	
Uttar Pradesh	Sonbhadra	Naktu	785	666	Under investigation
	Sub-total		785	666	
Uttarakhand	Rudraprayag	Pokhri-Tunji	100	85	Small deposit
	Sub-total		100	85	
Himachal Pradesh	Una	Rajpura	364	309	Under investigation
	Shimla	Kasha-Kaladi	200	170	Small deposit
	Mandi	Tileli	220	186	Small deposit
	Sub-total		784	665	
Maharashtra	Gondia	Mogarra	355	301	Small deposit
	Sub-total		355	301	
Grand total			3,45,362	2,92,866	
