

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<sub>3</sub>O<sub>8</sub> (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 - Motnutalapalle - 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 <sub>3</sub> O <sub>8</sub>	U	
Andhra Pradesh	Kadapa	Tummalapalle Group	1,92,990	1,63,656	Existing mine (Under investigation)
	Guntur	Koppunuru	2,761	2,341	Under investigation
	<b>Sub-total</b>		<b>1,95,751</b>	<b>1,65,997</b>	
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
	<b>Sub-total</b>		<b>18,550</b>	<b>15,730</b>	
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
	Saraikela-Kharswan	Bangurdih	1,785	1,514	Under investigation
<b>Sub-total</b>			<b>80,185</b>	<b>67,997</b>	
<b>Meghalaya</b>	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
	<b>Sub-total</b>			<b>23,268</b>	<b>19,731</b>
<b>Rajasthan</b>	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
	<b>Sub-total</b>			<b>14,295</b>	<b>12,122</b>
<b>Karnataka</b>	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
	<b>Sub-total</b>			<b>7,303</b>	<b>6,193</b>

<b>Chhattisgarh</b>	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
	<b>Sub-total</b>		<b>3,986</b>	<b>3,379</b>	
<b>Uttar Pradesh</b>	Sonbhadra	Naktu	785	666	Under investigation
	<b>Sub-total</b>		<b>785</b>	<b>666</b>	
<b>Uttarakhand</b>	Rudraprayag	Pokhri-Tunji	100	85	Small deposit
<b>Sub-total</b>		<b>100</b>	<b>85</b>		
<b>Himachal Pradesh</b>	Una	Rajpura	364	309	Under investigation
	Shimla	Kasha-Kaladi	200	170	Small deposit
	Mandi	Tileli	220	186	Small deposit
	<b>Sub-total</b>		<b>784</b>	<b>665</b>	
<b>Maharashtra</b>	Gondia	Mogarra	355	301	Small deposit
	<b>Sub-total</b>		<b>355</b>	<b>301</b>	
<b>Grand total</b>			<b>3,45,362</b>	<b>2,92,866</b>	

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