

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 487**  
ANSWERED ON 04/12/2025

**ENHANCING URANIUM RESOURCES AND SUPPLY CHAIN**

487. SHRI BABUBHAI JESANGBHAI DESAI

Will the PRIME MINISTER be pleased to state:-

- (a) whether the Government has formulated any scheme or programme to augment uranium resources and strengthen the domestic uranium supply chain in view of the long-term assessment of demand and supply from indigenous sources;
- (b) if so, the details thereof along with the specific action taken, so far, in this regard;
- (c) whether Government is taking measures to explore new uranium-bearing sites across the country with a view to reducing dependence on imported uranium; and
- (d) if so, the details of exploration activities initiated, the locations identified and the progress achieved, so far?

**ANSWER**

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

(a) & (b) Yes. Atomic Minerals Directorate for Exploration and Research (AMD), a constituent unit of Department of Atomic Energy (DAE), has the mandate to identify, evaluate and augment mineral resources of uranium in the country.

To ensure unhindered domestic supply and speedy augmentation of indigenous uranium resources, AMD is carrying out integrated and multi-disciplinary exploration in potential geological domains of the country during the 5 year action plan period (2024-25 to 2028-29).

The scheme-wise details and augmentation of uranium resources are as follows:

Exploration Activities (Principal Activities)		Five (5) Year Action Plan Period (2024-25 to 2028-29)	
URANIUM INVESTIGATIONS		Target	Achievement (As on September, 2025)
1.	Reconnaissance Survey (sq km)	40,000	9,289.00
2.	Geochemical Survey (sq km)	25,000	5,425.00
3.	Detailed Survey (sq km)	2,000	478.70
4.	Ground Geophysical Survey (sq km)	6,000	1,676.10

5.	Drilling		
	Departmental (m) [Uranium + Critical & Strategic minerals]	5,00,000	1,07,578.00
	Contract (m)	8,00,000	1,75,648.20
6	Augmentation of Uranium Resource [tonne (t) U <sub>3</sub> O <sub>8</sub> ]	75,000	15,778

(c) & (d) Yes. To identify new uranium bearing sites and augmentation of uranium resources, AMD is carrying out integrated and multi-disciplinary exploration (including geophysical, geological, geochemical and radiometric surveys and drilling) across the country.

Recently, AMD has initiated G4 to G2 stages of exploration in different potential geological domains in parts of the following districts pertaining to 14 States:

- I. Andhra Pradesh: Parts of YSR Kadapa, Anantapur, Annamayya and Palnadu districts.
- II. Karnataka: Parts of Yadgiri, Kalaburagi, Bijapur, Belagavi, Bagalkot and Gadag districts.
- III. Jharkhand: Parts of East Singhbhum, Seraikela-Kharsawan, and Garhwa districts.
- IV. Rajasthan: Parts of Alwar, Sikar, Jhunjhunu, Ajmer, Dausa, Udaipur, Bhilwara and Jaisalmer districts.
- V. Madhya Pradesh: Parts of Chhatarpur, Betul, Chhindwara, Sidhi, Shahdol and Singrauli districts.
- VI. Uttar Pradesh: Parts of Sonbhadra district.
- VII. Chhattisgarh: Parts of Balrampur, Surajpur, GPM and Rajnandgaon districts.
- VIII. Maharashtra: Parts of Gondia and Gadchiroli districts.
- IX. Haryana: Parts of Mahendragarh district.
- X. Arunachal Pradesh: Parts of West Siang, Leparada, Siang and Upper Subansiri districts.
- XI. Himachal Pradesh: Parts of Mandi district.
- XII. Tamil Nadu: Parts of Salem, Erode and Coimbatore districts.
- XIII. Sikkim : Parts of Namchi, Soreng, Gyalshing and Gangtok districts.
- XIV. Bihar: Parts of Rohtas district.

As on date, AMD has established 4,36,700 tonne (t) *in situ* U<sub>3</sub>O<sub>8</sub> in 47 uranium deposits located in Andhra Pradesh, Telangana, Jharkhand, Meghalaya, Rajasthan, Karnataka, Chhattisgarh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Maharashtra

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