

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-481
ANSWERED ON 04/12/2025

ENRICHMENT OF URANIUM

481. SHRI BRIJ LAL
SHRI BABURAM NISHAD
DR. BHAGWAT KARAD
SMT. REKHA SHARMA
SHRI ADITYA PRASAD

Will the PRIME MINISTER be pleased to state:-

- (a) whether any augmentation or establishment of new uranium reserves has been undertaken in the country in the recent years particularly in the State of Jharkhand, Deccan Plateau region, Marathwada region, etc;
- (b) if so, the details thereof;
- (c) whether Government proposes to establish new uranium mines at these locations;
- (d) if so, broad details of the proposed mining activities;
- (e) whether other nuclear-fuel-related minerals, relevant to the domestic nuclear programme, have been identified; and
- (f) if so, the present status of their resource assessment and exploration?

ANSWER

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

(a) & (b) In recent years (from April, 2015 to September, 2025), Atomic Minerals Directorate for Exploration and Research (AMD) has augmented a total of 2,17,560t in-situ U-oxide resource in the country, including new uranium deposits, viz. Rajdah, Kudada and Jaduguda North-Baglasai-Mechua, in the State of Jharkhand; Jahaz, Geratiyon Ki Dhani in the State of Rajasthan; Kanchankayi and Hulkal in the State of Karnataka. Augmentation or establishment of new uranium resource has not been undertaken in the Deccan Plateau region, including the Marathwada region of Maharashtra.

(c) & (d) Geological reports in respect of some of the deposits mentioned above have been submitted by AMD to the concerned State Governments to initiate the process of grant of mining lease in accordance with the provisions of Atomic Minerals Concession Rules, 2016. The proposed mining activities involve demarcation of precise area, nomination of prospective lessee, issuance of Letter of Intent (LoI), Mining Plan approval, preparation of Terms of Reference (ToR), baseline environmental data collection, finalization of EIA/EMP report, Environmental Clearance, Consent to Operate and Establish, signing of Mine development and Production agreement & grant of mining lease etc.

However, as there is no established uranium deposit in Deccan Plateau/Marathwada region, the query does not arise for opening new uranium mines in the area.

(e) to (f) Besides uranium, AMD, as on September, 2025, has established resources of 13.15 million tonne (Mt) of in-situ monazite, which is one of the nuclear-fuel-related mineral of thorium, along the coastal and inland placer sands of the country.

However, no nuclear-fuel-related mineral has been identified within Deccan Plateau and Marathwada geological zones.
