

projects are taken up for implementation around heritage/religious/cultural/tourist areas of the 12 HRIDAY cities, namely Ajmer, Amritsar, Amaravati, Badami, Dwarka, Gaya, Kanchipuram, Mathura, Puri, Varanasi, Velankanni and Warangal. The projects taken up under the scheme are expected to be completed by November, 2018. The projects are under different stages of implementation and the objectives of the scheme are expected to be achieved.

(d) No. Sir. There is no such proposal.

Production of Uranium and Thorium

*65. SHRI SANJAY RAUT: Will the PRIME MINISTER be pleased to state:

(a) whether there is a huge untapped reserve of Uranium and Thorium in the country;

(b) if so, the details thereof, State-wise and the reasons therefor;

(c) the quantum of Uranium and Thorium produced in the country during the last three years; and

(d) the details of the steps taken or proposed to be taken by Government for tapping Uranium and Thorium reserves in various parts of the country?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (DR. JITENDRA SINGH): (a) and (b) Atomic Minerals Directorate for Exploration and Research (AMD), a Constituent Unit of Department of Atomic Energy (DAE), which has a mandate to identify and evaluate mineral resources of Uranium has so far established 2,73,956 tonne *in situ* U_3O_8 (2,32,315 tonne U) as on November, 2017.

State-wise details of the Uranium resources are given below:—

State	Uranium reserves	
	U_3O_8 (t)	U (t)
1	2	3
Andhra Pradesh	1,44,541	1,22,570
Telangana	18,550	15,731
Jharkhand	67,712	57,420
Meghalaya	23,040	19,538
Rajasthan	9,421	7,989
Karnataka	4,682	3,970
Chhattisgarh	3,986	3,380

1	2	3
Uttar Pradesh	785	666
Uttarakhand	100	85
Himachal Pradesh	784	665
Maharashtra	355	301
TOTAL	2,73,956	2,32,315

The Uranium deposits established by AMD are mined by Uranium Corporation of India Limited (UCIL), a Public Sector Undertaking (PSU) of Department of Atomic Energy (DAE). The deposits at Jaduguda, Narwapahar, Bagjata, Bhatin, Banduhurang, Turamdih and Mohuldih in Jharkhand and Tummalapalle in Andhra Pradesh are currently under exploitation by UCIL. Mining technology and economics are important criteria which decide the exploitation status of a deposit. Considering these criteria, many of the small Uranium deposits are not amenable to mining at present. Constraints arising out of poor logistics and infrastructure, existing technology, adverse socio-economic conditions, environmental aspects, scarcity of water etc. have slackened the process of mining of some of the deposits in Meghalaya, Rajasthan, Karnataka and Telangana.

AMD has also established 12.47 million tonne Monazite as on September, 2017 (mineral containing Thorium and rare earth elements). The Monazite resource (12.47 million tonne) contains approximately 0.98 million tonne Thorium metal (Th) or approximately 1.12 million tonne ThO_2 . State-wise details of the Monazite resources are below:—

State	Deposits (No.)	Resource (million tonne)
Odisha	10	3.06
Andhra Pradesh	26	3.69
Tamil Nadu	51	2.46
Kerala	35	1.84
West Bengal	1	1.20
Jharkhand	1	0.21
Maharashtra	3	0.004
Gujarat	1	0.003
TOTAL	128	12.467

(c) It is not in the public interest to disclose the quantity of production of Uranium from these mines.

Production of Thorium by Indian Rare Earths Limited (IREL), a Public Sector Undertaking of Department of Atomic Energy (DAE) during the last three years are as follows:—

Years	Thorium Oxalate (in tons)	Thorium Nitrate (in tons)
2016-17	248	82.10
2015-16	238	92.40
2014-15	0	80.40
TOTAL	486	254.90

(d) Uranium Corporation of India Ltd. (UCIL) has made a detailed plan in line with DAE's vision to achieve self sufficiency in Uranium production achieving nearly ten-fold rise in next 15 years (by 2031-32). UCIL has outlined a plan for massive expansion which includes plan to maintain sustained supply from existing facilities, capacity expansion of some existing units and construction of new production centres (mines and plants) in different parts of the country.

Indian Rare Earths Limited (IREL), a PSU under DAE has been producing Monazite a mineral containing Thorium from its mining and mineral separation plants located at Chavara, Kerala, Manavalakurichi, Tamil Nadu and Orissa Sand Complex, Odisha. Indigenous efforts towards the development and demonstration of Thorium-based reactor technology is being pursued.

Uniforms for Pre-School Children under ICDS

*66. SHRI DILIP KUMAR TIRKEY: Will the Minister of WOMEN AND CHILD DEVELOPMENT be pleased to state:

(a) whether it is a fact that currently there is no provision for uniforms for pre-school children under the Integrated Child Development Services (ICDS) Scheme;

(b) if so, whether the Ministry has received any suggestions for providing at least two pairs of uniforms for such children; and

(c) if so, the details of the decision taken in this regard?

THE MINISTER OF WOMEN AND CHILD DEVELOPMENT (SHRIMATI MANEKA SANJAY GANDHI): (a) to (c) Anganwadi Services under Umbrella Integrated Child Development Services provides a package of six services namely Supplementary Nutrition, Pre-School non-formal education, Health and Nutrition Education, Immunization, Health Check-up and Referral Services which are provided to the pregnant women and lactating mothers and children below six years of the