

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2170**  
TO BE ANSWERED ON 04.03.2020

**INVESTMENT IN ATOMIC ENERGY**

2170. DR. MANOJ RAJORIA:

Will the PRIME MINISTER be pleased to state:

- (a) the details of the increase in investment in the country in the field of atomic energy during the last five years;
- (b) the number of new atomic reactors proposed by the Government of India;
- (c) the number of uranium mines identified in the country during the last five years; and
- (d) the State-wise number of uranium mines in India?

**ANSWER**

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

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- (a) Yes, Sir. There is a steady and progressive increase in investments across all constituent units of Department of Atomic Energy (DAE). The investments are channeled to augment Atomic resources, establishment of Infrastructural facilities, enhance scope of ongoing projects and identify and execute new programmes in areas like Research and Development, Energy, Health, Food & Agriculture, education, etc.

The details of the investments over a period of five years in the various units are presented below :

(₹ in crores)

Sl.No.	Units	Details of Investments				
		2015-16	2016-17	2017-18	2018-19	2019-20 (upto Jan.2020)
1.	NPCIL	5865.68	6560.48	7880.64	11813.00	8093.22
2.	AMD	315.491	354.5614	411.3837	413.5395	402.555
3.	HRI	34.2440	34.4297	40.5000	27.0900	31.9300
4.	IGCAR	983.76	1127.26	1145.87	1286.37	1271.32
5.	BRIT	-	99.00	-	-	-
6.	IREL	140.50				
7.	NFC	120.00	120.38	144.14	166.51	215.74
8.	GCNEP	27.08	21.63	12.02	8.56	69.69
9.	IOP	9.788	12.5521	5.4492	9.2077	1.0867
10.	IPR	588.01	641.99	621.98	709.23	687.23
11.	SINP	35.00	30.00	16.57	11.00	0.00

- (b) There are presently nine (9) reactors (including PFBR being implemented by BHAVINI) under construction and twelve (12) new reactors have been accorded administrative approval and financial sanction. In addition, the Government has accorded 'In Principle' approval of five sites to locate 28 new reactors in future.
- (c) For future Uranium mining operations in India, in principle approval has been obtained from the Atomic Energy Commission for the following projects:
1. Rohil Uranium Project, Rajasthan
  2. Kanchankayi Uranium Project, Karnataka
  3. Jajawal Uranium Project, Chhattisgarh
  4. Chitrial Uranium Project, Telengana
  5. Banadungri Uranium Mining and Ore Processing Plant Project, Jharkhand
  6. Garadih Underground Uranium mining Project, Jharkhand
  7. Augmentation of production capacity of Narwapahar Mine, Jharkhand
  8. Augmentation of production capacity of Turamdih Mine, Jharkhand
  9. Augmentation of production capacity of Banduhurang Opencast Mine, Jharkhand
  10. Expansion of Tummalapalle Uranium Project, Andhra Pradesh.

The pre-project activities for these projects, such as, obtaining statutory clearances, land acquisition, site development, and carrying out of R&D phase for formulation of the detailed project reports have been undertaken and are in different stages of execution.

- (d) The state-wise number of Uranium mines in India is as follows:

S.No	State	Name of the mine
1	Jharkhand	1. Jaduguda
		2. Bhatin
		3. Bagjata
		4. Narwapahar
		5. Turamdih
		6. Mohuldih
		7. Banduhurang
2	Andhra Pradesh	1. Tummalapalle

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