

1	2	3	4
Chutka, Madhya Pradesh	Chutka Units 1 and 2	2X700	
Mahi Banswara, Rajasthan	Mahi Banswara Units 1 and 2	2X700	
Kaiga, Karnataka	Kaiga Units 5 and 6	2X700	
Kudankulam, Tamil Nadu	Kudankulam Units 3 and 4	2X1000	
Jaitapur, Maharashtra	Jaitapur Units 1 and 2	2X1650	
Kovvada, Andhra Pradesh	Kovvada Units 1 and 2	2X1500	
Chhaya Mithi Viridi, Gujarat	Chhaya Mithi Viridi Units 1 and 2	2X1100	
Kalpakkam, Tamil Nadu	Fast Breeder Reactor (FBR) Unit 1 and 2	2X500	BHAVINI
Location to be decided	Advanced Heavy Water Reactor (AHWR)	300	BARC

(d) Yes, Sir.

(e) The inputs for the nuclear power programme like Heavy Water, Fuel, Zirconium components etc. have been tied up with the various units of the Department of Atomic Energy.

Radiation exposure in Rawat Bhata Atomic Power Station

†2022. SHRI DHARMENDRA PRADHAN: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that a case of adverse effect of radioactive substance, tritium on some employees of the Rawat Bhata Atomic Power Station situated in Rajasthan has come to notice;

(b) if so, the details thereof;

(c) whether the Government has got any enquiry conducted in this case;

(d) if so, the details thereof; and

(e) whether any action plan has been prepared by the Government to check such incidents?

† Original notice of the question was received in Hindi.

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY): (a) and (b) There were two instances of tritium uptake (exposure) to workers at Rajasthan Atomic Power Station during maintenance works on June 23, 2012 and July 19, 2012. Tritium is a soft beta emitter (of very low energy and can be stopped by a thin paper) and once it enters the body, it comes out of the body through urination and sweating. The resultant dose to the workers as a result of the tritium uptake was well within the annual limits stipulated by the Atomic Energy Regulatory Board (AERB), except in case of one contract worker. He received a dose of 20.4 milli Sievert per year, as against the stipulated AERB annual dose limit of 15 milliSievert per year for contract workers. The limit for regular worker is 20 milliSievert per year. At this level of radiation dose, as found by scientific studies, there are no adverse effects on the human health. The workers are attending to their normal duties, albeit in other areas of the plant.

(c) and (d) The incident has been investigated by the Exposure Investigation Committee of the Station and also by the AERB. It was found that the adherence to Personal Protective Equipment needed to be strengthened.

(e) Yes, Sir. Adherence to Personal Protection Equipment and periodic training for radiation workers have been reinforced to prevent recurrence of such incidents.

Atomic power plants presently working in states

†2023. SHRI PARVEZ HASHMI: Will the PRIME MINISTER be pleased to state:

(a) the names of States where atomic power plants are working presently and the State-wise details of the quantity of electricity produced by them;

(b) the names of States where atomic power plants are proposed to be set-up and the details of the proposed power generation capacity thereof; and

(c) the special projects being contemplated by Central Government and Ministry keeping in view of the increasing demand of electricity in future and the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY): (a) Nuclear Power Plants are currently operational in Gujarat, Karnataka, Maharashtra, Rajasthan, Tamil Nadu and Uttar Pradesh. The details are as under:

† Original notice of the question was received in Hindi.