

and Technology, Government of India with SINP as the nodal institute from India. This collaboration provides priority access to Indian Scientists to the PETRA-III Synchrotron at DESY against a new beamline that is being constructed at PETRA-III with Indian support. This collaborative effort is carried out in accordance with an initial agreement dated 22nd March 2011 and a general cooperation agreement dated 31st May 2011 between SINP and DESY.

(c) and (d) An amount of EURO 40,00,000/- equivalent to Rs. 26,04,20,000/- has so far been transferred to DESY as per the agreements which do not prescribe requirement of any bank guarantee.

#### **Atomic energy plants under Twelfth Plan**

†2021. SHRI DHARMENDRA PRADHAN: Will the PRIME MINISTER be pleased to state:

(a) whether there is any plan to set up 16 atomic energy plants in the country by Indian Atomic Energy Commission during the Twelfth Five Year Plan;

(b) if so, the details thereof;

(c) the power likely to be generated by these atomic energy plants to be established under the Twelfth Plan;

(d) whether any steps have been taken by Government to provide heavy and light water and other resources required for atomic energy plants; and

(e) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY): (a) During the XII Five Year Plan, it is proposed to start work on nineteen new nuclear power plants. Sixteen of these will be implemented by the Nuclear Power Corporation of India Limited (NPCIL), two by Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI) and one by Bhabha Atomic Research Centre (BARC).

(b) and (c) The details are as under:

Location and State	Project	Capacity (MW)	To be imple- mented by
1	2	3	4
Gorakhpur, Haryana	Gorakhpur Units 1 and 2	2X700	NPCIL

† Original notice of the question was received in Hindi.

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.