

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 466
TO BE ANSWERED ON 27.11.2014

ATOMIC POWER STATION AT KOTA, RAWATBHATA

466. DR. T. SUBBARAMI REDDY:

Will the PRIME MINISTER be pleased to state:

- (a) the number of units that are operating at atomic power station at Kota, Rawatbhata;
- (b) whether Unit-5 of atomic power station at Rawatbhata achieved second nuclear power plant in the world to run continuously for 739 days;
- (c) if so, whether the safety concerns have been reviewed to improve the technical capability in other plants also; and
- (d) the total capacity of all the units at Kota atomic power stations, unit-wise and its distribution, with details?

ANSWER

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

- (a) There are six (6) nuclear power reactors at Rajasthan Atomic Power Site at Rawatbhata. Of these, one reactor RAPS-1(100 MW) is under extended shutdown since October 2004 and the remaining five reactors (RAPS-2 to 6) are currently in operation.
- (b) Yes, Sir. Unit-5 of Rajasthan Atomic Power Station achieved the world record of second longest continuous operation on August 11, 2014 surpassing the earlier record of 739 days. The unit recorded 765 days of longest continuous operation on September 06, 2014, prior to its planned biennial shut down for maintenance.

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- (c) As a part of safety culture, periodic safety reviews of the Indian nuclear power plants are carried out by the national regulatory authority, the Atomic Energy Regulatory Board (AERB). In addition, periodic international reviews are also carried out to enhance safety and performance.
- (d) The current installed capacity at Rawatbhata site is 1180 MW. In addition, two reactors of indigenous 700 MW Pressurised Heavy Water Reactors (RAPP 7&8) are also at various stages of construction. The unit-wise details are given below:

UNITS	Capacity (MW)
RAPS-1*	100
RAPS-2	200
RAPS-3	220
RAPS-4	220
RAPS-5	220
RAPS-6	220
TOTAL CAPACITY	1180

**RAPS-1 under extended shutdown since October 2004*

While the power from RAPS 1&2 is allocated exclusively to the state of Rajasthan, the power from RAPS 3&4 and RAPS 5&6 is distributed (allocated) among the beneficiary States and Union Territories in the Northern Electricity Region by the Ministry of Power (MoP). The current allocation (in %), depending on time of the day, varies as follows:

State	RAPS 3&4	RAPS 5&6
Chandigarh	0 to 3.18	1.19
Delhi	0	12.69
Haryana	10.91 to 14.66	5.67
Himachal Pradesh	0	3.40
Jammu & Kashmir	7.95	11.60
Punjab	22.73 to 25.91	14.22
Rajasthan	34.32 to 36.82	20.70
Uttar Pradesh	17.50 to 18.41	26.24
Uttarakhand	0	4.29

Source: Northern Region Power Committee (MoP) allocation dated 12.11.2014
