

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO.2704
TO BE ANSWERED ON 10.03.2021

NUCLEAR POWER PLANTS

2704. SHRI G. M. SIDDESHWAR:

Will the PRIME MINISTER be pleased to state:

- (a) the number of nuclear power plants functioning in the country at present along with the percentage of electricity being generated through these plants to meet the total energy requirements of the country;
- (b) the estimated increase in percentage of energy requirements of the country till the year 2022; and
- (c) whether new nuclear power plants are being set up to meet these requirement and if so, the places where these are being set up and the efficiency in megawatt thereof?

ANSWER

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

- (a) The installed nuclear power capacity in the country comprises of 22 reactors with a total capacity of 6780 MW. The share of nuclear power in the total electricity generation in the country is about 3.3%.
- (b) As per 19th Electric Power Survey (EPS) report brought out by Central Electricity Authority the estimated energy requirement & percentage of growth on year to year basis from 2018-19 to 2021-22 is given as under:

Year	Electrical Energy Requirement (MU)	% Growth Previous year	W.R.T.
2017-18	12,40,760	-	
2018-19	13,17,962	6.22	
2019-20	13,99,913	6.22	
2020-21	14,83,257	5.95	
2021-22	15,66,023	5.58	

(c) Yes, Sir. The details are as follows:

State	Location	Project	Capacity
Projects under Construction			
Gujarat	Kakrapar	KAPP 3&4 [@]	2x700
Rajasthan	Rawatbhata	RAPP 7&8	2X700
Haryana	Gorakhpur	GHAVP 1&2	2x700
Tamil Nadu	Kudankulam	KKNPP 3&4	2X1000
	<i>Kalpakkam</i>	<i>PFBR*</i>	<i>1X500</i>
Projects accorded Administrative Approval & Financial Sanction			
<i>Light Water Reactors (LWRs)</i>			
Tamil Nadu	Kudankulam	KKNPP 5&6	2X1000
<i>PHWRs in Fleet mode</i>			
Madhya Pradesh	Chutka	Chutka-1&2	2 X 700
Karnataka	Kaiga	Kaiga-5&6	2 X 700
Rajasthan	Mahi Banswara	Mahi Banswara- 1&2	2 X 700
		Mahi Banswara- 3&4	2 X 700
Haryana	Gorakhpur	GHAVP– 3&4	2 X 700

@: KAPP-3 has been connected to the grid on January 10, 2021.

* Being implemented by BHAVINI
