

**GOVERNMENT OF INDIA  
ATOMIC ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:1544  
ANSWERED ON:24.07.2002  
NUCLEAR POWER PLANTS  
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**Will the Minister of ATOMIC ENERGY be pleased to state:**

- (a) the number of nuclear power plants operational in the country and the capacity of each plant;
- (b) the total energy generated by these plants during each of the last three years; and
- (c) the average capacity achieved during each of the last three years?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES; MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS; MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

- (a) There are at present 14 nuclear power reactors in the country.
- (b), The capacity of each plant, the total energy generated (in million units) and the & capacity factors achieved at each of the following plants during the last three financial
- (c) years are as detailed below:-

Sr.No. Plant Unit No. Capacity MWe 1999-2000 2000-2001 2001-2002

	Total gener- ation factor %	Capac- ity	Total gener- ation factor %	Capac- ity	Total gener- ation factor %	Capac- ity	Total gener- ation factor %	
1 Tarapur Atomic Power Station	1	160	941	67	1289	92	1188	85
2 Tarapur Atomic Power Station	2	160	1214	87	1119	80	1314	94
3 Madras Atomic Power Station	1	170	1042	70	1128	76	1265	85
4 Madras Atomic Power Station	2	170	1189	80	1387	93	980	85
5 Rajsthan Atomic Power Station	2	200	1405	80	1600	91	1498	86
6 Narora Atomic Power Station	1	220	1602	83	1556	81	1765	92
7 Narora Atomic Power Station	2	220	1529	79	1488	77	1570	81
8 Kakrapar Atomic Power Station	1	220	1645	85	1831	95	1717	89
9 Kakrapar Atomic Power Station	2	220	1750	91	1663	86	1854	96
10 Kaiga Atomic Power Station	1	220	578	74	1456	76		
11 Kaiga Atomic Power Station	2	220	128	1322	69	1543	80	
12 Rajasthan Atomic Power Station	3	220	15	1462	84	1434	74	
13 Rajasthan Atomic Power Station	4	220	273	46	1615	84		
14 Rajasthan Atomic Power Station	1	100	934	71	517	39	282	21

Note: \$ Commenced commercial operation from 16.11.2000  
@ Commenced commercial operation from 16.3.2000  
@@ Commenced commercial operation from 1.6.2000. 15 MUs in the year 1999-2000

is in firm power.

\$\$ Commenced commercial operation from 23.12.2000

+ RAPS-1 (100MWe) is owned by the Department of Atomic Energy and operated