

(c) The demands are under examination.

Engineering Colleges in Tamil Nadu

4098. SHRI N. DENNIS: Will the PRIME MINISTER be pleased to state:

(a) whether a number of engineering institutions of higher education has been de-recognised by the Tamil Nadu Government; and

(b) if so, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M. G. K. MENON): (a) and (b). One college namely Angalamman College of Engineering and Technology, Moovanur, Manachanallur, Tiruchy Distt, started in 1986-87 was closed down by the Government of Tamil Nadu in 1987-88 due to poor infrastructural facilities.

Capacity Utilisation of Atomic Power Plants

4099. DR. A. K. ROY: Will the PRIME MINISTER be pleased to state:

(a) details of the power generation in Atomic Energy Plants of the country for the last five years with plant-wise and year-wise break up in detail;

(b) cost of power generation compared to the thermal and hydel;

(c) capacity utilisation of the each plant in the last five years with year-wise breakup; and

(d) target for development in the Eighth Plan in details?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCES DEVELOPMENT (PROF. M. G. K. MENON): (a) The details of electricity generated in the nuclear power plants in commercial operation in the country for the last five years are as follows:

Plant	Electricity generated in Million Kilowatt hours in each year				
	1985	1986	1987	1988	1989
TAPS-1	870	1189	210	1192	892
TAPS-2	1176	833	1269	884	472
RAPS-1	260	0	218	473	384
RAPS-2	1098	1239	1181	1395	1225
MAPS-1	946	854	1230	1406	492
MAPS-2	*	657	1217	718	519

* MAPS-2 commenced commercial operation in March, 1986

TAPS-Tarapur Atomic Power Station

RAPS-Rajasthan Atomic Power Station

MAPS- Madras Atomic Power Station

(b) The tariff for sale of electricity generated from these stations as of 1.3.1999 are as follows:

TAPS-46.20 paise/KWh

RAPS-46.59 paise/KWh

MAPS-52.24 paise/KWh

The approximate cost of power per unit for thermal and hydel power plants as of March 1989 are as follows:-

<i>Type of Generation</i>	<i>Approximate cost of power per unit</i>
Gas based thermal	36 - 87 paise per KWh
Coal based thermal	41 - 90 paise per KWh
Hydel	19 - 80 paise per KWh
KWh - Kilowatt hour	

(c) The capacity utilisation in the last five years are as follows:

<i>Plant</i>	<i>Yearwise capacity factor in %</i>				
	<i>1985</i>	<i>1986</i>	<i>1987</i>	<i>1988</i>	<i>1989</i>
TAPS-1	58	85	15	85	64
TAPS-2	78	59	91	63	34
RAPS-1*	13	0	12	26	21
RAPS-2*	59	70	65	81	71
MAPS-1	46	41	60	68	24
MAPS-2	-	41	59	35	25

* Capacity factors are inclusive of steam supply from RAPS-1 and 2 to Heavy Water Plant, Kota.

(d) At present six nuclear power reactors are in commercial operation in India with a total installed capacity of 1230 MWe. An additional 235 MWe unit is likely to commence commercial operation from the financial year 1990-91. By the end of Eighth Five Year Plan, the total installed nuclear capacity is expected to increase to 2170MWe.

District Institutes of Education in Orissa

4100. SHRI ANADI CHARAN DAS:
SHRI BHAJAMAN BEHERA:

Will the PRIME MINISTER be pleased to state: