implementation for substantial production of electricity. Gasifiers for producing fuel and power from agricultural waste, wood and wood waste have also been developed and are under going field trial and demonstration. In addition, research and development in different areas of non-conventional energy sources has been intensified for further reducing costs of various bio-energy, solar energy, wind energy and hydro energy technologies.

Increase in Capacity Utilisation of Electricity Generating Units in States

1459. SHRI K. KUNJAMBU : Will the Minister of ENERGY be pleased to state :

(a) whether there has been any increase in the capacity utilisation of electricity generating units in different States;

(b) if so, the details of capacity utilisation of different units during the past three years; and

(c) the steps being taken to remove the impediments in the way of higher capacity utilisation ?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER (SHRI ARIF MOHAMMAD KHAN) : (a) and (b). Plant Load Factor is not a parameter for judging the performance of the hydro power stations since their capacity utilisation mainly depends on design potential and water availability. For thermal power stations in the country, the Plant Load Factor was 49.4 per cent in 1982-83, 47.9 per cent in 1983-85 and 50.1 per cent in 1984-85. Stationwise details about Plant Load Factor during 1982-83, 1983-84 and 1984-85 are indicated in the statement below.

(c) In order to improve the performance of thermal power stations, a number of measures have been taken, including :

(1) Assistance to SEBs/Power Stations for undertaking plant betterment programmes.

(2) Assistance to SEBs/Power Stations for procurement of requisite quality and quantity of coal and also spare parts from indigenous and foreign sources.

(3) Visit of task forces and roving teams to identify weak areas requiring improvement and preparation of time bound programmes for rectification.

(4) Training of engineers and operation and maintenance personnel.

(5) Implementation of a Centrally sponsored Renovation and Modernisation Scheme for thermal stations, with central loan assistance.

Statement

Thermal Plant Load Factor during 1982-83 to 1984-85

State/Station	Plant Load Factor (%)		
	1982-83	1983-84	1984-85
1	2	3	4
Delhi			
Badarpur	49.1	48.7	47.8
I.P. Station	53.0	50.2	61.7
Rajghat	31.0	23.2	30.6
Haryana			
Faridabad Extn,	28.3	27.9	27.9
Panipat	35.9	32.6	39.7
Others	26.8	46.3	42.6

1	2	3	4
J & K			
Kalakote	1.0	1.5	0
Rajasthan			
Kota	—	72.3	57.2
Punjab			
Bhatinda	51.0	57.0	61.9
Ropar	—	—	79.4
Uttar Pradesh			
Obra	43.4	35.7	29.7
Harduaganj B	34.6	36.3	34.1
Harduaganj C	33.8	35.8	25.1
Harduaganj A	24.7	20.5	32.0
Panki	50.8	46.8	48.8
RPH (Kanpur)	20.4	24.5	24.8
Others	9.0	7.6	24.9
Singrauli STPS	64.2	55.7	59.3
Gujarat			
Dhuvaran (T)	75.3	69.1	66.2
Dhuvaran (GT)	18.2	—	—
Ukai	58.3	49.6	50.5
Gandhinagar	41.5	63.1	39.8
Wanakbori	46.4	48.1	59.2
Utran	69.6	64.4	59.7
Others	4.2	12.4	9.9
A.E. Co. (Pvt.)	63.7	77.3	71.3
Sabarmati (Pvt.)	77.4	73.2	71.4
Madhya Pradesh			
Satpura	61.6	52.4	48.5
Korba I	50.7	55.3	55.1
Korba II	65.2	64.7	44.3
Korba III	61.5	35.8	56.2
Korba West	—	64.8	47.2

1	2	3	4
Amarkantak	46.7	59.2	65.9
Korba STPS	—	62.1	52.2
Maharashtra			
Nasik	46.1	51.1	51.9
Koradi	55.8	44.0	36.0
Khaperkheda	25.1	28.2	18.6
Paras	53.1	43.9	34.4
Bhusawal	30.1	47.0	45.7
Parli	75.3	69.9	74.2
Chandrapur	—	—	45.2
Uran (GT)	56.9	75.6	61.6
Others	53.9	46.8	27.9
Trombay (Pvt.)	75.1	75.1	65.7
Chola (Rlys)	34.2	45.8	49.1
Andhra Pradesh			
Kothagudem A	49.9	58.2	58.9
Kothagudem B	27.0	24.2	32.1
Kothagudem C	27.1	28.5	38.2
Ramagundem B	77.4	72.7	50.4
Nellore	28.9	55.4	44.5
Vijayawada	79.1	84.2	77.4
Others	13.7	3.7	1.7
Ramagundem STPS	—	—	57.4
Karnataka			
Raichur	—	(Commissoned on 29-3-1985)	
Tamil Nadu			
Ennore	37.6	27.9	36.2
Basin Bridge	27.0	14.1	14.2
Tuticorin	53.0	50.5	62.0
Neyveli	73.0	74.2	77.2
Bihar			
Patratu	40.5	34.3	33.0
Barauni	30.2	26.3	21.3

1	2	3	4
D.V.C.			
Chandrapura	50.5	54.3	52.8
Durgapur	46.2	35.0	40.3
Bokaro	51.3	54.0	51.0
Orissa			
Talcher	35.2	33.3	32.2
West Bengal			
Bandel	57.5	44.9	48.4
Santaldih	30.5	27.4	24.7
Gouripur	17.5	11.8	12.2
Gas Turbines	21.7	—	—
CESC (Pvt.)	57.6	50.2	45.6
Titagarh	—	60.9	71.3
DPL	36.0	30.3	28.7
Assam			
Namrup	37.3	38.5	38.2
Chandrapur	41.9	49.7	35.0
Bongaigaon	15.4	19.5	15.9
Lakwa G.T.	65.4	47.1	37.8
Others	48.9	48.8	36.4

Commissioning of different Units of N.T.P.C. Unit of Farakka

1460. SHRI SATYAGOPAL MISRA : Will the Minister of ENERGY be pleased to state :

(a) the plan and programme of commissioning different units of National Thermal Power Corporation unit of Farakka;

(b) the details thereof; and

(c) the reasons for delay ?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER (SHRI ARIF MOHAMMAD KHAN) : (a) to (c). The approved shedule and the present, anticipated programme of commissioning of the units of the Farakka Super Thermal Power Project are as given below :

Unit/Capacity	Schedule approved by Government	Presently anticipated schedule
Units-I (200 MW)	May, 1985	January, 1986
Unit-II (200 MW)	Nov., 1985	June, 1986
Unit-III (200 MW)	May, 1986	Dec., 1986
Unit-IV (500 MW)	1990-91	1990-91
Unit-V (500 MW)	1991-92	1991-92