

involving an investment of Rs. 1098 crores and employment of 10330 persons. Out of this, 11 units have already started functioning involving an investment of Rs. 86 crores and employment of 890 persons. Besides, 45 approvals have been granted for setting up food processing units in joint venture, foreign collaboration etc. in respect of proposals received from Karnataka during the same period. Out of this 11 units have already started functioning with a total project cost of Rs. 66 crores and employment of 1279 persons.

Solar Power Plant

3925. SHRI RAMASHRAY PRASAD SINGH : Will the PRIME MINISTER be pleased to state :

(a) whether the Government have received representations from some Members of Parliament and other persons during the last two years regarding setting up of Solar Power Plant in 'Gaya', Bihar;

(b) if so, the present status thereof; and

(c) the steps being taken to solve the electricity problem of the State?

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI) : (a) and (b). No, Sir. The Ministry of Non-Conventional Energy Sources has not received representations from Members of Parliament and other persons during the last two years for setting up of Solar Power Plant in 'Gaya', Bihar.

(c) It is proposed to add 1162 MW comprising of 32 MW hydro + 1130 thermal capacity in Bihar to improve the availability of power in Bihar during 9th Plan. The following important measures are being taken to improve the availability of power in Bihar :

- (i) Renovation and Modernisation of thermal plants for improving the plant load factor;
- (ii) Capacity addition to meet peaking shortage;
- (iii) Demand management;
- (iv) Energy conservation; and
- (v) Reduction in Transmission and Distribution losses.

[English]

Thermal Power Plants

3926. DR. KRUPASINDHU BHOI : Will the PRIME MINISTER be pleased to state :

(a) whether the Government have reviewed the working of the thermal power plants in the country;

(b) if so, the average installed capacity and actual power generated in each thermal power plants during the last three years, year-wise;

(c) whether the Government have identified the problems of each thermal power plant; and

(d) if so, the steps taken to remove the bottlenecks which are responsible for decline in the power generation?

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI) : (a) and (b). The Government constantly reviews the working of thermal power stations in the country. The Generation capacity and actual generation from each thermal power plant during the last three years are given in the attached Statements I and II.

(c) and (d). The Government have identified the problems of different thermal power plants and the various measures taken for optimum utilisation of installed capacity include (i) renovation and modernisation of old units (ii) assistance to Electricity Boards in undertaking plant betterment programmes (iii) supply of requisite quantity and quality of coal (iv) training of O and M personnel and (v) strengthening of transmission and distribution systems.

STATEMENT-I

Station wise thermal power generation capacity

(Figures in MW)

Station	1993-94	1994-95	1995-96
1	2	3	4
Badarpur	705.0	705.0	705.0
I.P. Station	277.5	277.5	277.5
Rajghat	135.0	135.0	135.0
Rajghat (Old)	14.0	14.0	14.0
DESU GT	180.0	214.0	282.0
Pampore GT	125.0	175.0	175.0
Faridabad	165.0	165.0	165.0
Panipat	650.0	650.0	650.0
Kota	50.0	850.0	850.0
Ramgarh GT		3.0	38.5
Anta GT	413.0	413.0	413.0
Bhatinda	440.0	440.0	440.0
Ropar	1260.0	1260.0	1260.0
Obra 1-13	1482.0	1482.0	1482.0
Panki	274.0	274.0	274.0
H Ganj A	90.0	90.0	90.0
H Ganj B and C	425.0	425.0	425.0
Paricha	220.0	220.0	220.0
Anpara	1130.0	1630.0	1630.0
Tanda	330.0	330.0	330.0

1	2	3	4
Others	10.0	10.0	10.0
Unchahar	420.0	420.0	420.0
Singrauli	2050.0	2000.0	2000.0
Rihand	1000.0	1000.0	1000.0
NCR Badri	840.0	840.0	840.0
Atraiya GT	652.0	652.0	652.0
Dadri GT	817.0	817.0	817.0
Dhuvaran	534.0	534.0	534.0
Ukai	850.0	850.0	850.0
Gandhi Nagar	660.0	660.0	660.0
Wanakbori	1260.0	1260.0	1260.0
Sikka	240.0	240.0	240.0
Kutch Lignite	140.0	140.0	140.0
Utran	39.0	39.0	39.0
Utran GT	144.0	144.0	144.0
Dhuvaran GT	54.0	54.0	54.0
A.E.Co. (O)	80.0	80.0	80.0
Sabarmati	330.0	330.0	330.0
Vatwa GT	99.0	99.0	100.0
GIPCL		145.0	145.0
Kawas GT	644.0	644.0	644.0
Gandhar GT	262.0	648.0	648.0
Nasik	910.0	910.0	910.0
Koradi	1080.0	1080.0	1080.0
Paras	58.0	58.0	58.0
Bhusawal	478.0	478.0	478.0
Parli 1-5	690.0	690.0	690.0
Chandrapur	1840.0	1840.0	1840.0
K Kheda-II	420.0	420.0	420.0
Uran GT	792.0	912.0	912.0
Trombay	1330.0	1150.0	1150.0
Trombay GT	120.0	180.0	180.0
Dhanu		500.0	500.0
Satpura	1142.5	1142.5	1142.5
Korba 2-3	400.0	400.0	400.0
Amarkantak	290.0	290.0	290.0
Korba West	840.0	840.0	840.0
Sanjay Gandhi	420.0	420.0	420.0
Korba STPS	2100.0	2100.0	2100.0
Vindh STPS	1260.0	1260.0	1260.0
R. Gudem A-C	670.0	270.0	670.0
Vijayawada	1050.0	1260.0	1260.0
R. Gundam B	62.5	62.5	62.5
Nellore	30.0	30.0	30.0
Royalaseema		420.0	420.0

1	2	3	4
Vijeswaram	99.0	99.0	99.0
R' Gundam STPS	2100.0	2100.0	2100.0
Raichur	630.0	840.0	840.0
Ennore	450.0	450.0	450.0
Tuticorin	1050.0	1050.0	1050.0
Mettur	840.0	840.0	840.0
North Madras		420.0	630.0
B Bridge			60.0
Narimanam	10.0	10.0	10.0
Neyveli I	585.0	595.0	595.0
Neyveli II	1470.0	1470.0	1470.0
Patratu	770.0	770.0	770.0
Barauni	310.0	310.0	310.0
Muzaffarpur	220.0	220.0	220.0
Tenughat		210.0	210.0
K Gaon NTP	420.0	630.0	840.0
Ib Valley		210.0	420.0
Talcher ST		500.0	1000.0
Talcher Old	460.0	460.0	460.0
Bandel	530.0	530.0	530.0
Santaldih	480.0	480.0	480.0
Gas Turbine	60.0	60.0	60.0
Kolaghat	1260.0	1260.0	1260.0
D.P.C.	390.0	390.0	390.0
Mulajore	75.0	90.0	60.0
N Cossipore	130.0	130.0	130.0
Southern	135.0	135.0	135.0
Titagarh	240.0	240.0	240.0
Kasba GT	40.0	40.0	40.0
Farakka	1630.0	1600.0	1600.00
Chandrapur	750.0	750.0	750.0
Durgapur	340.0	352.0	350.0
Bokaro	620.0	820.0	805.0
Majia			210.0
Maithon GT	90.0	90.0	90.0
Chandrapur	60.0	60.0	60.0
Namrup	133.5	133.5	133.5
Bongaigaon	240.0	240.0	240.0
Lakwa GT and			
Others	101.0	121.0	141.0
Kathalguri		67.0	167.5
Baramura G	16.5	16.5	16.5
Rokhia GT	16.0	16.0	32.0
Total	53254.5	57244.5	58870.5

STATEMENT-II

Station wise Thermal Power generation

(Figures in MU)

Station	1993-94	1994-95	1995-96
1	2	3	4
Badarpur	4444	4510	4039
I.P. Station	1146	1115	1117
Rajghat	621	832	753
DESU GT	783	577	615
Pampore GT	55	88	63
Faridabad	741	785	799
Panipat	2147	2409	2268
Kota	4539	4276	5216
Ramgarh GT	0	0	16
Anta GT	2589	2339	2607
Bhatinda	2724	2439	2066
Ropar	6129	6005	6162
Obra 1-13	6475	4288	4677
Panki	774	701	564
H Ganj A	0	0	0
H Ganj B and C	1011	751	604
Paricha	746	321	492
Anpara	4745	8777	10450
Tanda	817	774	1016
Singrauli	14643	14291	14985
Rihand	6868	6476	7622
NCR Dadri	1545	2568	4439
NTPC Unchahar	2523	1924	3108
Auraiya GT	3438	3577	3518
Dadri GT	1352	2292	3795
Dhuvaran	2365	2732	2927
Ukai	4180	3819	4390
Gandhi Nagar	3940	4009	4942
Wanakbori	7160	7163	6943
Sikka	824	1315	1312
Kutch Lignite	670	479	595
Utran	215	140	103
Utran GT	520	879	962
Dhuvaran GT	153	85	141
A.E.Co. (O)	229	168	200
Sabarmati	2049	2186	2194
Vatwa GT	596	571	555
GIPCL	0	1062	1116
Kawas GT	2240	2109	1962

1	2	3	4
Gandhar GT	0	394	2375
Nasik	5051	5157	5045
Koradi	6260	5679	6277
Paras	278	198	202
Bhusawal	2538	2883	2599
Parli 1-5	3184	3501	3287
Chandrapur	7816	8865	11270
K Kheda	0	0	0
K Kheda-II	2849	3087	2549
Uran GT	1727	3665	4672
Trombay	5691	6340	7353
Trombay GT	184	677	1466
Dhanu	0	15	1222
Satpura	5089	5801	6037
Korba 2-3	1746	1903	2132
Amarkantak	1375	1428	1253
Korba West	4940	4456	4640
Sanjay Gandhi	210	1199	1992
Korba STPS	14527	13989	15397
Vindhyachal STPS	8295	8646	9272
Kotha gudem A-C	3260	3060	3412
Vijayada	5912	7319	9861
Ramagundam B	361	353	374
Nellore	111	93	129
Royalaseema	0	32	1327
Vijjeswaram	526	433	538
R' Gundam STPS	14593	14497	14757
Raichur	3693	3698	4718
Ennore	1849	2152	2106
Tuticorin	5492	6279	7802
Mettur	5620	5593	5944
North Madras	0	3	1359
B Bridge	0	0	0
Narimanam	37	15	14
Neyveli I	2372	3109	3191
Neyveli II	7025	7781	9073
Patratu	1856	1367	1262
Barauni	504	563	416
Muzaffarpur	423	350	310
Tenughat	0	0	0
K Gaon NTP	1	587	2406
Talcher	1432	1169	143
Ib Valley	0	317	1223
Talcher STP	0	4	698

1	2	3	4
Talcher Old l	0	0	991
Bandel	2242	2331	1724
Santaldih	1340	1317	1340
Gas Turbine	15	16	13
Kolaghat	5365	5806	6238
D.P.L.	902	909	908
Mulajore	335	368	326
N Cossipore	685	708	728
Southern	968	998	1028
Titagarh	1504	1640	1748
Kasba GT	15	17	22
Farakka	3865	5402	6519
Chandrapur	2308	1708	1786
Durgapur	1627	1815	1820
Bokaro	2757	2947	2801
Majia	0	0	0
Maithon GT	14	28	43
Chandrapur	106	157	188
Namrup	277	339	330
Bongaigaon	312	426	508
Gas Turbine	213	333	408
Kathalguri	0	0	346
Baramura G	42	42	43
Rokhia GT	62	82	110
Total	247757	262868	299606

Interim Relief

3927. SHRI RAVINDRA KUMAR PANDEY : Will the PRIME MINISTER be pleased to state :

(a) whether the payment of Interim Relief of Rs. 50/- and 10 per cent relief of the basic pension amount payable w.e.f. 1st April, 95 vide Government Memorandum No. 42/18/95-P and PW (G) dated 14th July, 1995 has since been withheld;

(b) if so, the details thereof and the reasons therefor;

(c) whether the Government propose to take any positive steps to release the above payment; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI S.R. BALASUBRAMONIYAN) : (a) and (b). Interim Relief at the rate of Rs. 50/- p.m. and 10% of basic pension was sanctioned to all Central Government pensioners on

the basis of recommendations made by the V Central Pay Commission in its interim report submitted to the Government. Orders to this effect were issued vide O.M. No. 42/18/95-P and PW (G) dated 14-7-1996. The payment of the same has not been withheld

(c) and (d). Do not arise.

Prediction of Rainfall

3928. SHRI R. SAMBASIVA RAO : Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state :

(a) the time taken by the whether department to predict a rainfall pattern in the country or in a particular area;

(b) the details thereof;

(c) whether the system is fool proof; and

(d) if so, the details thereof and the steps being taken to ensure prediction of rainfall one week in advance?

THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI YOGINDER K. ALAGH) : (a) The India Meteorological Department produces short range forecast (24 to 36 hours) within 6 hours of observation time while seasonal forecast for monsoon rains (June to September) is issued by the end of May every year. The National Centre for Medium Range Weather Forecasting (NCMRWF) takes about 24 hours after observations to issue a 3-day forecast.

(b) The short range forecast is prepared by analysing weather observations plotted on a chart. The seasonal forecast is issued by means of a statistical model of India Meteorological Department. The medium range forecast is primarily based on computer based atmospheric modelling.

(c) Accuracy of short range forecast is about 90% while the seasonal forecasts were reasonably correct during last 9 years. Medium range forecast is now issued experimentally.

(d) The increase of range of forecast from the present 3-day period to one week is a complex scientific problem and research is being carried out in order to extend the time range of the forecast.

[Translation]

Levy of Additional Cess

3929. SHRI JAGAT VIR SINGH DRONA : Will the Minister of PLANNING AND PROGRAMME IMPLEMENTATION be pleased to state :

(a) whether the Planning Commission has given suggestions to the various States that while drafting the