

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:1650
ANSWERED ON:06.03.2000
UPGRADATION OF POWER STATIONS
ADHIR RANJAN CHOWDHURY

Will the Minister of POWER be pleased to state:

- (a) whether any modernisation and upgradation exercise in respect of power stations in the country was undertaken during the Eighth Plan period;
- (b) if so, the details thereof, State-wise;
- (c) if not, the reasons therefor;
- (d) whether the Government propose to initiate the process of modernisation and upgradation of power stations in the country during the Ninth Plan period; and
- (e) if so, the details in this regard, State-wise?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRIMATI JAYAWANTI MEHTA)

(a) to (c) : Yes, Sir. In order to improve the availability and performance of old thermal units, a renovation and modernisation (R&M) programme covering 44 thermal power stations comprising 198 units with an aggregate capacity of 20869.43 MW in the country was launched in the year 1990-91 for implementation during 8th Plan period. Similarly for hydro stations, based on the recommendations of National Committee, a scheme for renovation, modernisation and upgrating of hydro power plants was started covering 55 hydro schemes. Till 8th Plan, 8 schemes have been completed. State-wise details of thermal power stations and hydel stations are enclosed as Annexure.

(d) & (e) : The balance work of the 8th Plan which has spilled over to 9th Plan in respect of R&M of thermal schemes and R&MU of hydro schemes is proposed to be completed during 9th Plan. In order to give a filip to this programme, the Government has announced a new scheme for providing assistance to the State utilities, under this scheme, additional Central Plan Assistance of Rs.1,000 crores, to State Governments and Union Territories during 2000-2001 for undertaking investments on R&M of old and inefficient plants and for strengthening the distribution system.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED Q.1650 TO BE ANSWERED IN LOK SABHA ON 06.03.2000.

DETAILS OF THERMAL UNITS COVERED UNDER R&M PROGRAMME (PHASE-II)

SL. NO.	BOARD/ UTILITY	STATION MW	UNITS	CAPACITY
1.	NTPC	BADARPUR	1-5 (3X95X+2X210)	705.00
2.	DVB I.P.		1-5 (1x30+3x62.5+1x60)	277.50
3.	HPGCL	FARIDABAD	1-3 (3x55)	165.00
4.	HPGCL	PANIPAT	1-2 (2x110)	220.00
5.	PSEB	ROPAR	1-2 (2x210)	420.00
6.	PSEB	BHATINDA	1-4 (4x110)	440.00
7.	RSEB	KOTA	1-2 (2x110)	220.00
8.	UPSEB	OBRA	1-13 (5x50+3x100+5x200)	1550.00
9.	UPSEB	PANKI	1-4 (2x32+2x110)	284.00
10.	UPSEB	HARDUAGANJ	1-8 (1x30_2x40+4x60+1x105)	455.00
11.	UPSEB	PARICHHA	1-2 (2x110)	220.00
12.	MPEB	AMARKANTAK	1-4 (1x30+1x20+2x120)	290.00
13.	MPEB	KORBA (E)	1-6 (4X50+2X120)	440.00
14.	MPEB	KORBA (W)	1-2 (2X210)	420.00
15.	MPEB	SATPURA	1-9 (5X62.5+1X200+3X210)	1142.50
16.	GEB	UKAI	1-5 (2X120+2X120)	850.00
17.	GEB	GANDHINAGAR	1-2 (2X120)	240.00

18. GEB DHUVARAN 1-2 (4X63.5+2X210) 534.00
19. GEB DHUVARAN 1-3 (3X210) 630.00
20. MSEB KORADI 1-7 (4X115+1X200+2X210) 1080.00
21. MSEB NASIK 1-5 (2X140+3X210) 910.00
22. MSEB BHUSAWAL 1-3 (1X58+2X210) 478.00
23. MSEB CHANDRAPUR 1-4 (4x210) 840.00
24. MSEB PARLI 1-5 (2X30+3X210) 690.00
25. MSEB PARAS 2 (1X58) 58.00
26. TNEB ENNORE 1-5 (2X60+3X110) 450.00
27. TNEB TUTICORIN 1-3 (3x210) 630.00
28. TNEB METTUR 1-4 (4x210) 840.00
29. APGENCO KOTHAGUEDEM `A` 1-4 (4x60) 240.00
(OECF)
APGENCO KOTHAGUEDEM (B&C)1-4 (2X105+2X110) 430.00
30. APGENCO NELLORE 1 (1X30) 30.00
31. NLC NEYVELI 1-9 (6X50+3X110) 600.00
32. WBPDC KOLAGHAT 2-3 (2X210) 420.00
33. WBSEB SANTALDIH 1-4 (4x120) 480.00
34. DVC CHANDRAPURA 1-6 (3X120+3X140) 780.00
35. DVC DURGAPUR 1-4 (2X75+1X140+1X210) 500.00
36. DVC BOKARO 1-3 (3X50) 150.00
37. BSEB PATRATU 1-10 (4x40+2x90+2x105+2x110) 770.00
38. BSEB BARAUNI 1-4 (2x50+2x105) 310.00
39. BSEB MUZAFFARPUR 1-2 (2x210) 420.00
40. ASEB BONGAIGAON 1-4 (4x60) 240.00
41. ASEB CHANDRAPURA 1 (1x30) 30.00
42. ASEB KATHAL GURI &
GOLKEY 1-7 (3x2.705+4x2.705) 18.93
43. ASEB LAKWA 1-4 (4x15) 60.00
44. ASEB NAMRUP 1-5 (3x23+1x12.5+1x30) 111.50

TOTAL 20869.43

Details of 55 R&M Hydro Schemes Identified by the National COmmittee

Sl. No. Project Name Installed capacity (MW)

ANDHRA PRADESH

1. Machkund Stage-I 3x17+3x21.25
2. Nizam Sagar 2x5
3. Lower Sileru 4x115
4. Srisaliam 7x110

BIHAR

5. Subernrekha 2x65

GUJARAT

6. Usai (U 1&3) 7x75

HIMACHAL PRADEHS

7. Bassi 4x15
8. Giri 2x30

JAMMU & KASHMIR

9. Chenani 5x4.66
10. Lower Jhelum 3x35
11. Sumbal Sindh 2x11.3

KARNATAKA

- 12. Mahatama Gandhi 4x12+4x18
- 13. Nagihari (U2) 6x135
- 14. Sharavathy (U1-8) 8x89.1
- 15. Sharavathy 2x89.1
- 16. Sivasamudram 6x3+4x6

KERALA

- 17. Neriamangalam 3x15
- 18. Poringalkuthu 4x8
- 19. Sabarigiri 6x50
- 20. Sholayar 3x18

MAHARASHTRA

- 21. Koyna I&II St.I. 4x65=4x75
- 22. Koyna-III (U10, 11&12) 4x80

MEGHALAYA

- 23. Kyredemkulai 2x30
- 24. Umaiam St. I&St.II 4x9+2x9

ORISSA

- 25. Hirakud-I (U1&2) 2x37.5
- 26. Hirakud-I (U3&4) 2x24
- 27. Hirakud-I (U4&5) 2x37.5
- 28. Hirakud-I -
- 29. Hirakud-II 3x24

PUNJAB

- 30. UBDC-I 3x15

TAMILNADU

- 31. Kadamparai 4x100
- 32. Kundah-III (U1&2) 3x60
- 33. Mettur Dam 4x10
- 34. Moyar 3x12
- 35. Papanasam 4x5
- 36. Pykara 3x6.65+2x1+2x14
- 37. Sholayar-I 2x35

TRIPURA

- 38. Gumti 3x5

UTTAR PRADESH

- 39. Chilla (U1,3&4) 4x60
- 40. Khatime 3x13.8

41. Obre 3x33
42. Pathri (U3) 3x6.8
43. Ramganga 3x66
44. Rihand 6x50
45. Tiloth 3x30

WEST BENGAL

46. Jaldhaka St.I 3x9

CENTRAL BENGAL

47. Bhakra RB 5x135 (5x120MW Name Plate Rating)
48. Dehar (Us, 3&4) 6x165
49. Ganguwal (U2) 2x24.2+1x29.25
50. Kotla (U3) -do-

DAMODAR VALLEY CORPORATION (DVC)

51. Maithon 3x20
52. Panchet 1x40

HNATIONAL HYDROELECTRIC POWER CORPORATION (NHPC)

53. Baira Siul 3x60
54. Loktak 3x35

NORTH EASTERN ELECTRIC POWER CORPORATION (NEEPCO)

55. Khandong (U1) 2x25

Total 9652.00