

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:266
ANSWERED ON:09.08.2001
MODERNISATION OF THERMAL POWER PLANTS
MANSUKHBHAID. VASAVA

Will the Minister of POWER be pleased to state:

- (a) whether the Government have undertaken any work to modernise the Thermal Power Plants and to augment their efficiency;
- (b) if so, the details of work undertaken during the last two years, State- wise; and
- (c) the names of plants whose capacity has been increased and the percentage of such increase?

Answer

THE MINISTER OF POWER (SHRI SURESH P. PRABHU)

(a) to (c) : A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF STARRED QUESTION NO. 266 TO BE ANSWERED IN THE LOK SABHA ON 09.08.2001 REGARDING MODERNISATION OF THERMAL POWER PLANTS.

(a) : Yes, Sir.

(b) & (c) : Renovation and Modernisation (R&M) works have been undertaken during the last two years on 172 thermal units in the country to improve their performance and also to extend the useful life of old units. The details of the R&M works, State-wise, anticipated benefits and percentage increase in capacity are indicated in Annexure.

Annexure

ANNEXURE REFERRED TO IN PARTS (b) & (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 266 TO BE ANSWERED IN THE LOK SABHA ON 9.8.2001 REGARDING MODERNISATION OF THERMAL POWER PLANTS.

Details of R&M works undertaken during last two years on thermal units in the country.

Anticipated benefits

S.
No
Name of State/
Thermal Power
Station
Units
covered
Capacity

(MW)
Additional
Generation
Million Units

(MU) per
annum
Capacity
of which
life will
get
extended
by 15-20
year
Status of
work
Actual benefits achieved
after completion of works

Increase
in
generation
in MU per
annum
Percentage
increase in
generation

1
2
3
4
5
6
7
8
9

Delhi

1
Badarpur GOI
1-5
705
30
-
In Progress

2
Indraprastha
2-5
247.5
To sustain
performance

In Progress

Haryana

3
Panipat
2
110
423
110
In Progress

Panipat
1,3&4
330
450

In Progress

4
Faridabad
1-3
165
70
-
In Progress

Punjab

5
Ropar
1-6
1260
50
-
In Progress

Rajasthan

6
Kota
1-4
640
To sustain
performance
-
In Progress

Uttar Pradesh

7
Obra
1-13
1482
To sustain
performance
-
In Progress

8
Anpara `A`
1-3
630
To sustain
performance
-
In Progress

Maharashtra

9
Nasik
1-5
910
259
-
In Progress

10
Koradi
1-7
1080
760
-
In progress

11
Chandrapur
1-4
840
756
-
In Progress

12
Bhusawal
1-3
478
115
-
In Progress

13
Parli
1-5
690
110
-
In Progress

14
Khaparkheda
1-2
420
To sustain
performance
-
In Progress

15
Paras
1
58
100
-

Completed
126
48

Chhatishgarh

16
Korba (E)
1-2
80
166
100
In Progress

Korba (E)
3-6
320
277
-
In Progress

17
Korba (W)
1-4
840
276
-
In Progress

Madhya
Pradesh

18
Satpura
1-9
1142.5
449
-
In Progress

19
Amarkantak
1-4
290
305
-
In Progress

Gujarat

20
Ukai
1-5
850
300
-
In Progress

21
Gandhinagar
1-2
240
160
-
In Progress

22
Dhuvaran
1-6
534
200
-
In Progress

23
Wanakbori
1-6
1260
440
-
In Progress

Tamil Nadu

24
Tuticorin
1-3
630
200
-
In Progress

25
Ennore
1,2&5
230
466
230
In Progress

Ennore
3&4
220
600
220
Completed
Under Stabilisation

Andhra Pradesh

26
Kothagudem-A
2-4
180
267
180
Completed
473
51

Kothagudem B&C
5
105
271
120

Completed
Under Stabilization

Kothagudem B&C

6
105
331
120
In Progress

27

Nellore

1
30
31
-
Completed
45
36

Karnataka

28

Raichur

1-4
840
184
-
In Progress

W. Bengal

29

Santalalih

1-4
480
200
-
In Progress

30
Durgapur (DPL)
1 & 2
60
392
60
Completed
Under stabilization

Durgapur (DPL)
4
70
373
77
Completed
236
178

Durgapur (DPL)
3&5
150
632
154
In Progress

DVC

31
Durgapur (DVC)
3-4
350
80
-
In Progress

Assam

32
Chandrapur

(ASEB)
1-2
60
To sustain
performance
-
In Progress

33
Namrup
1-6
133.5
To sustain
performance
-
In Progress

NTPC

34
Singrauli STPS
1-5
1000
To sustain
performance
-
In Progress

35
Korba STPS
1-3
600
To sustain
performance
-
In Progress

36
Ramagundam
1-3
600
To sustain
performance
-
In Progress

37
Vindychal STPS

1-3
630
To sustain
performance
-
In Progress

38
Farakka STPS
1-3
600
To sustain
performance
-
In Progress

39
Talcher Thermal
1-3
180
506
187.5
In Progress

Talcher Thermal
4
60

62.5
Completed
206
88
40
Tanda
1-3
330
To sustain
performance
-
In Progress

All India
172
23245.5
8226
1621

1086

Note: 1) In Col.5, as a result of R&M activities, a number of power stations are expected to give benefit by way of additional generation. However, in respect of many stations, R&M was undertaken to sustain the present level of performance. Had this not been done the performance would have deteriorated.

Note: 2) In Col. 6, R&M activities were undertaken to restore/uprate the capacity of the units, besides extending the life by 15-20 years.