

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:117

ANSWERED ON:13.07.2004

POWER GENERATION

Chandel Shri Suresh;Patil Shri Shriniwas Dadasaheb

Will the Minister of POWER be pleased to state:

- (a) the total number of power projects functioning in the country at present and the power generation capacity of each of them, sector-wise and State-wise;
- (b) whether capacity addition of power in the Ninth Plan was much less than the targeted figure;
- (c) if so, the facts thereof and the target fixed and the steps taken by the Government to initiate the actual capacity addition in the Tenth Plan;
- (d) the actual capacity addition during the current financial year, till date as compared to last year; and
- (e) the details of share of Union/State Governments and private sector in power generation in the country, State-wise?

Answer

THE MINISTER OF POWER (SHRI P.M. SAYEED)

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

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 117 TO BE ANSWERED IN THE LOK SABHA ON 13.07.2004 REGARDING POWER GENERATION.

(a) : 382 power generating projects with total installed capacity of 1,09,866.4 MW are being monitored in the Central Electricity Authority. The Station wise and Sector wise details of the projects are given at Annex-I.

(b) : The original capacity addition target for the 9th Plan (1997-2002) was 40245 MW and achievement was 19015 MW. The broad reasons for delay in completion of power projects were as under:

- Delayed financial closures of private sector projects due to non-availability of escrow.
- Delay in land acquisition.
- Delay in investment decision.
- R&R problems.
- Contractual problems.

(c) : Total capacity addition target fixed for the 10th Plan (2002-07) is 41,110 MW as per table given below:-

(All figs. in MW)

Hydro Thermal Nuclear Overall

Central Sector	8,742	12,790	1,300	22,832
State Sector	4,481	6,676	0	11,157
Private Sector	1,170	5,951	0	7,121
Overall	14,393	25,417	1,300	41,110

Following steps have been taken for realization of Tenth Plan targets:

- The 10th Plan capacity addition targets were finalized in consultation with the States and on the basis of identification of individual projects.

- The monitoring mechanism has been strengthened. The CEA has a nodal officer for each project, both at the conception stage as well as during execution. In addition, regular review meetings are being organized in the Ministry of Power.

- In order to make up for any shortfall in original targets during 10th Plan, back up projects have been identified in consultation with States/CPSUs.

- Power Finance Corporation and Rural Electrification Corporation have mobilized themselves adequately to see that the execution of a good project is not hampered due to lack of funds.

- The Central Plan outlay has been increased by more than three times in the 10th Plan in comparison to 9th Plan. The Planning Commission has allocated an outlay of Rs. 1,43,399 crore for the Ministry of Power for the 10th Plan. This includes a budgetary support of Rs. 25,000 crore. The corresponding figures for the 9th Plan were Rs. 45591 crore and Rs. 14943 crore respectively.

(d) : A total of 522.92 MW was added up to June, 2004 during the current financial year (2004-05) whereas during the same period in the last year 2003-04 (upto June 2003) the capacity addition was 417.85 MW.

(e) : The details of Sector-wise/State wise power generation in the country are given at Annex-II.

ANNEXURE-I

ANNEXURE REFERRED TO IN PART (a) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO.117 TO BE ANSWERED IN THE LOK SABHA ON 13.07.2004 REGARDING POWER GENERATION.

LIST OF POWER PROJECTS IN THE COUNTRY AND THEIR MONITORED CAPACITY IN MEW AS ON 30.06.2004

STATE/SECTOR/STATION	INSTALLED CAPACITY (MW)
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DELHI

Central Sector

1	BADARPUR	705
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State Sector

2	I.P.STATION	247.5
3	RAJGHAT	135
4	I.P.GT	180
5	I.P.WHP	102
6	PRAGATI CCGT	330.4

Private Sector		-
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HARYANA

Central Sector

7	F`BAD CCGT	430
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State Sector

8	F`BAD EXTN.	165
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9	PANIPAT	860
10	WY.CANAL	48

Private Sector -

HIMACHAL PRADESH

Central Sector

11	BHAKRA	1250
12	DEHAR	990
13	PONG	360
14	BAIRA SIUL	180
15	CHAMERA	540
16	CHAMERA II	300
17	NATHPA JHAKRI	1500

State Sector

18	GIRI BATA	60
19	SANJAY BHABA	120
20	BASSI	60
21	BINWA	6
22	ANDHRA	17
23	THIROT	4.5
24	GHANVI	22.6
25	GAJ	10.5
26	BANER	12

Private Sector

27	BASPA	300
28	MALANA	86

JAMMU & KASHMIR

Central Sector

29	SALAL	690
30	URI	480

State Sector

31	PAMPORE GT	175
32	LOWER JHELMUM	105
33	UPPER SINDH	27
34	GANDHARBAL	15
35	CHENANI	23
36	MOHARA	9
37	KARGIL	3.8
38	SEWA	9
39	STAKNA	10

Private Sector -

PUNJAB

Central Sector

40	GANGUWAL	77.5
41	KOTLA	77.5

State Sector

42	GNDTP (BHATINDA)	440
43	GHTP (LEH.MOH.)	420
44	ROPAR	1260
45	SHANAN	110
46	ANANDPUR SAHIB	134
47	RANJIT SAGAR	600
48	U.B.D.C.	90
49	MUKERIAN	207

Private Sector -

RAJASTHAN

Central Sector

50	ANTA GT	413
51	R.A.P.S.	740

State Sector

52	KOTA	1045
53	SURATGARH	1250
54	RAMGARH GT	76
55	RAMGARH ST	37.8
56	R.P.SAGAR	172
57	J.SAGAR	99
58	MAHI BAJAJ	140
59	ANOOPGARH	9
60	SURATGARH	4
61	RMC MANGROL	6

Private Sector -

UTTAR PRADESH

Central Sector

62	SINGRAULI STPS	2000
63	RIHAND	1000
64	UNCHAHAR	840
65	DADRI (NCTPP)	840
66	TANDA	440
67	AURAIYA GT	652
68	DADRI GT	817
69	N.A.P.S.	440

State Sector

70	OBRA	1482
71	PANKI	242
72	H`GANJ B	425
73	PARICHA	220
74	ANPARA	1630
75	SMALL TH.	10
76	RIHAND	300
77	OBRA	99
78	MATATILLA	30
79	GANGA CANAL	24.8
80	KHARA	72

Private Sector -

UTTRANCHAL

Central Sector

81	TANAKPUR	120
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State Sector

82	RAMGANGA	198
83	KHATIMA	41.4
84	PATHRI	20.4
85	CHIBRO (YAMUNA)	240
86	KHODRI	120
87	CHILLA	144
88	MANERI BHALI	90
89	DHAKRANI	33.8
90	DHALIPUR	51
91	KULHAL	30
92	SOBLA	6

Private Sector -

GUJARAT

Central Sector

93	KAWAS GT	644
94	GANDHAR GT	648
95	KAKRAPARA	440

State Sector

96	DHUVARAN	534
97	UKAI	850
98	GANDHI NAGAR	660
99	WANAKBORI	1260
100	SIKKA REP.	240
101	KUTCH LIG.	215
102	G.S.E.C.L. (G.5)	210
103	G.S.E.C.L. (W.7)	210
104	DHUVARAN GT	27
105	UTRAN GT	144
106	DHUVARAN CCPP	105.9

107	HAZIRA CCCP	156.1
108	UKAI	305
109	KADANA	240
110	SARDAR SAROVAR	450
111	G.I.P.C.L. GT	312
112	SURAT LIG.	250
113	G.T.E. CORP.	655

Private Sector

114	A.E.CO.	60
115	VATWA GT	100
116	SABARMATI	330

MADHYA PRADESH

Central Sector

117	VINDH`CHAL STPS	2260
118	INDIRA SAGAR	500

State Sector

119	SATPURA	1142.5
120	AMAR KANTAK	50
121	AMAR KANTAK EXT	240
122	SANJAY GANDHI	840
123	GANDHI SAGAR	115
124	BARGI	90
125	PENCH	160
126	RAJGHAT (MP)	45
127	BANSAGAR (I)	315
128	BANSAGAR (II)	30
129	BANSAGAR (III)	60
130	BIRSINGHPUR	20

Private Sector

131	Tawa	13.5
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CHHATTISGARH

Central Sector

132	KORBA STPS	2100
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State Sector

133	HASDEOBANGO	120
134	GANGREL	10
135	KORBA-II	160
136	KORBA-III	240
137	KORBA-WEST	840

MAHARASHTRA

Central Sector

138	TARAPUR	320
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State Sector

139	NASIK	910
140	KORADI	1080
141	K`KHEDA II	840
142	PARAS	58
143	BHUSAWAL	478
144	PARLI	690
145	CHANDRAPUR	2340
146	URAN GT	672
147	URAN WHP	240
148	KOYNA	1920
149	VAITARNA	60
150	TILLARI	60
151	BHIRA TAIL RACE	80
152	ELDARI	22.5
153	VEER	9
154	BHATGARH	16
155	PAITHON	12
156	BHANDARDHARA	44
157	PAWANA	10
158	RADHANAGRI	4.8
159	KVASLA (PANSHET)	16
160	K`VASLA (VARSA)	8
161	BHATSA	15
162	KANHER	4
163	UJJAINI	12
164	SURYA	6
165	MANIKDOH	6
166	DHOM	2
167	VAITERNA DAM	1.5
168	DIMBE	5
169	WARNA	16
170	DUDH GANGA	24

Private Sector

171	DHANU	500
172	DHABOL GT	740
173	TROMBAY	1150
174	TROMBAY GT	180
175	BHIRA	132
176	BHIRA PSS	150
177	BHIVPURI	72
178	KHOPOLI	72

ANDHRA PRADESH

Central Sector

179	R`GUNDEM STPS	2100
180	SIMHADRI	1000

State Sector

181	K`GUEM	680
182	K`GUEM NEW	500
183	VIJAYWADA	1260

184	R`GUNDEM - B		62.5
185	NELLORE		30
186	RAYAL SEEMA		420
187	VIJESWARAN GT		272.3
188	MACHKUND		114.7
189	UPPER SILERU		240
190	LOWER SILERU		460
191	T.B. DAM		36
192	HAMPI		36
193	NAGARJUNA SAGAR	810	
194	N` SAGAR RBC		90
195	N` SAGAR LBC		60
196	DONKARAYI		25
197	SRISAILAM		770
198	SRISAILAM LB		900
199	POCHAMPAD		27
200	NIZAM SAGAR		10
201	PENNA AHOBELAM	20	
202	SINGUR		15
203	SMALL HYDRO		30

Private Sector

204	PEDDAPURAM CCGT	220	
205	JEGURUPADU GT		235.4
206	KONASEEMA CCGP	140	
207	KONDAPALLI GT	350	
208	LVS POWER DG		36.8
209	GODAVARI GT		208

KERALA

Central Sector

210	KAYAM KULAM GT	350	
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State Sector

211	BRAMHAPURAM DG	106.5	
212	KOJIKODE DG		128.8
213	KUTTIADI		125
214	IDUKKI		780
215	SABARIGIRI		300
216	IDAMALAYAR		75
217	KAKKAD		50
218	SHOLAYAR		54
219	SENGULAM		48
220	NARIMANGLAM	45	
221	PALLIVASAL		37.5
222	PORINGALKUTTU	32	
223	PORINGALKUTTU L	16	
224	PANNIAR		30
225	KALLADA		15
226	LOWER PERIYAR	180	
227	MALANKARA		10.5
228	CHEMBUKADAVU	6.5	
229	URUMI		6.2
230	PEPPARA		3
231	MADHUPATTY	2	
232	OTHER HYDRO	5	

Private Sector

233	COCHIN CCGT		174
234	KASARGODE DG	21.9	
235	MANIYAR		10
236	KUTHUNGAL		21

KARNATAKA

Central Sector

237	KAIGA		440
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State Sector

238	RAICHUR		1470
239	YELHANKA (DG)	120	
240	JOG		120
241	SIVASAMUNDRUM	42	
242	SHIMSAPURA		17.2
243	MUNIRABAD		27
244	SHARAVATHY		891
245	KADRA		150
246	KODASALI		120
247	KALINADI		810
248	KALINADI SUPA	100	
249	LIGANAMAKKI	55	
250	VARAHI		230
251	BHADRA		33.4
252	GHAT PRABHA		32
253	MANI DPH		9
254	MALLARPUR		9
255	GERUSUPPA		240
256	ALMATTI DPH		15

Private Sector

257	BELLARY DG		25.2
258	TANIR BAVI		220
259	TORANGALLU IMP	260	
260	BELGAUM DG		81.3
261	SHIVPURA		18
262	SHAHPUR		6.6
263	HARANGI		9
264	MADHAVAMANTRI	3	
265	NARAYANPUR		6.6

TAMIL NADU

Central Sector

266	NEYVELI ST I		600
267	NEYVELI ST II		1470
268	NEYVELI FST EXT	420	
269	M.A.P.P.		340

State Sector

270	ENNORE		450
271	TUTICORIN		1050
272	METTUR		840
273	NORTH CHENNAI	630	
274	BASIN BRIDGE GT	120	
275	NARIMAN GT		10
276	VALUTHUR GT		95
277	KUTTALAM GT		63
278	KOVILKALAPPAL	107	

279	PYKARA		70
280	PYKARA DAM	2	
281	MOYAR		36
282	KUNDAH		555
283	METTUR DAM		40
284	METTUR TUNNEL	200	
285	PERIYAR		140
286	KODAYAR		100
287	SHOLAYAR		95
288	ALIYAR		60
289	SARKARPATHY	30	
290	PAPANASAM		28
291	SURULIYAR		35
292	SERVALAR		20
293	LOWER METTUR	120	
294	KADAMPARI		400
295	VAIGAI		6
296	LOWER BHAVANI	16	
297	SATHNUR DAM	7.5	
298	PARSEN`S VALLEY	30	

Private Sector

299	SAMAYANALLUR DG	106	
300	NEYVELI TPS (Z)		250
301	P.NALLUR CCGT		330.5
302	SAMALPATTI DG	105.7	
303	B. BRIDGE D.G		200

PONDICHERRY

Central Sector -

State Sector

304 KARAIKAL 32.5

Private Sector -

BIHAR

Central Sector

305 KAHALGAON 840

State Sector

306	BARAUNI		310
307	MUZAFFARPUR		220
308	KOSI		20
309	SONE WEST CANAL	6.6	
310	SONE EAST CANAL	3.3	
311	E.G. CANAL		15

Private Sector -

JHARKHAND

Central Sector

312	CHANDRAPURA	750	
313	BOKARO A		175
314	BOKARO B		630
315	MAITHON GT		90
316	PANCHET		80
317	TILLAYA		4

State Sector

318	PATRATU		770
319	TENUGHAT		420
320	SUBERNREKHA	130	
321	CHANDIL		8

Private Sector -

ORISSA

Central Sector

322	TALCHER		460
323	TALCHER STPS		2500

State Sector

324	I.B.VALLEY		420
325	BALIMELA		360
326	HIRAKUD		307.5
327	RENGALI		250
328	UPPER KOLAB		320
329	INDRAVATI		600

Private Sector

330	ICCL IMP		0
331	NALCO IMP		0

WEST BENGAL

Central Sector

332	DURGAPUR		350
333	MEJIA		630
334	FARAKKA STPS		1600
335	MAITHON		60

State Sector

336	D.P.L.		390
337	BANDEL		530
338	SANTALDIH		480
339	KOLAGHAT		1260
340	BAKRESWAR		630
341	KASBA GT		40
342	SILIGURI GT		20
343	HALDIA GT		40
344	JALDHAKA		35
345	MASSANJORE		4
346	RAMMAM		50
347	TEESTA		37.5

Private Sector

348	MULAJORE		60
349	NEWCOSSIPORE	130	
350	TITAGARH		240
351	SOUTHERN REPL.	135	
352	BUDGE BUDGE		500

SIKKIM

Central Sector

353	RANGEET		60
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State Sector

354	L.LAGYAP		12
355	U.RONGCHU		8
356	MOYANCHU		4

Private Sector -

ANDAMAN & NICOBAR

Central Sector -

State Sector

357	KALPONG		5.5
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Private Sector -

ASSAM

Central Sector

358	KATHALGURI GT	291	
359	KOPILI		225

State Sector

360	CHANDRAPUR	60
361	NAMRUP ST	30
362	BONGAIGAON	240
363	NAMRUP GT	81.5
364	NAMRUP WHP	22
365	LAKWA GT	120
366	MOBILE GAS T-G	21

Private Sector

367	D.L.F. PVT	24.5
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MEGHALAYA

Central Sector

368	KHONDONG	50
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State Sector

369	KYREDEMKULAI	60
370	UMIAM	114
371	UMTRU	11.2

Private Sector	-
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MANIPUR

Central Sector	-
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372	LOKTAK	105
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State Sector

373	LEIMAKHONG DG	36
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Private Sector	-
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TRIPURA

Central Sector

374	AGARTALA GT	84
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State Sector

375	BARAMURA GT	21
376	ROKHIA GT	69
377	GUMTI	15

Private Sector -

NAGALAND

Central Sector

378	DOYANG	75
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State Sector

379	LIKIM RO	16
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Private Sector -

ARUNACHAL PRADESH

Central Sector

380	RANGANADI	405
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State Sector

381	TAGO	4.5
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Private Sector -

MIZORAM

Central Sector -

State Sector

382	BAIRABI DG	22.9
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Private Sector -

Others

Wind	1869.66
Small Hydro/Thermal	836.28

Total (All India) 112581.34

ANNEXURE-II

ANNEXURE REFERRED TO IN PART (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO.117 TO BE ANSWERED IN THE LOK SABHA ON 13.07.2004 REGARDING POWER GENERATION.

DETAILS OF % SHARE OF STATE & PVT. SECTOR IN POWER GEN. DURING 2003-2004

SECTORWISE GEN. IN MU %SHARE OF TOTAL GEN.

NAME OF STATE	STATE	CENTRAL	PRIVATE	TOTAL	STATE	CENTRAL	PVT.
DELHI	5161	5432		10593	48.7	51.3	0.0
HARYANA	7000	2792		9792	71.5	28.5	0.0
H. P.	1360	8939	1454	11753	11.6	76.1	12.4
J&K	920	6350		7270	12.7	87.3	0.0
PUNJAB	18623	6958		25581	72.8	27.2	0.0
RAJASTHAN	15945	7100		23045	69.2	30.8	0.0
U. P.	22827	51508		74335	30.7	69.3	0.0
UTTARANCHAL	3392	512		3904	86.9	13.1	0.0
GUJARAT	26385	10291	10608	47284	55.8	21.8	22.4
M. P.	16727	16569		33296	50.2	49.8	0.0
CHATTISGARH	7916	16333		24249	32.6	67.4	0.0
MAHARASHTRA	50150	2497	14724	67371	74.4	3.7	21.9
A. P.	27586	24054	6092	57732	47.8	41.7	10.6
KERALA	4496	2118	1109	7723	58.2	27.4	14.4
KARNATAKA	19116	3123	2801	25040	76.3	12.5	11.2
TAMILNADU	24081	17973	4616	46670	51.6	38.5	9.9
PONDICHARY	277			277	100.0	0.0	0.0
BIHAR	404	5972		6376	6.3	93.7	0.0
JHARKHAND	2554	4204		6758	37.8	62.2	0.0
ORISSA	8947	13742	1139	23828	37.5	57.7	4.8
W.B.	16527	15300	6692	38519	42.9	39.7	17.4
SIKKIM	36	345		381	9.4	90.6	0.0
ANDAMAN NIC.				0	0.0	0.0	0.0
ASSAM	707	2261	125	3093	22.9	73.1	4.0
MEGHALAYA	525	206		731	71.8	28.2	0.0
MANIPUR		504		504	0.0	100.0	0.0
TRIPURA	517	566		1083	47.7	52.3	0.0
NAGALAND		164		164	0.0	100.0	0.0
ARUNACHAL	11	973		984	1.1	98.9	0.0
MIZORAM				0	0.0	0.0	0.0
TOTAL ALL INDIA	282190	226786	49360	558336	50.5	40.6	8.8