

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Suo Motu Petition No. 191/2011

**Coram: Dr. Pramod Deo, Chairperson
Shri S.Jayaraman, Member
Shri V.S.Verma, Member
Shri M.Deena Dayalan, Member**

Date of Order: 4.10.2011

In the matter of:

Compliance with the Regulation 5.2.(f) of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 regarding restricted governor mode of operation by the generating stations.

And In the matter of:

- 1 NTPC Ltd., New Delhi
- 2 NHPC Ltd. Faridabad
- 3 North Eastern Electric Power Corporation Ltd, Shillong
- 4 Neyvelli Lignite Corporation Ltd., Chennai
- 5 Tehri Hydro Development Corporation India Ltd., Rishikesh
- 6 NTPC Sail Power Corporation Ltd., New Delhi
- 7 Satluj Jal Vidyut Nigam Ltd. (SJVNL), Shimla
- 8 Haryana Power Generation Corporation Ltd. (HPGCL)
- 9 Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.
- 10 TEESTA Urja Ltd., New Delhi Kerala State Electricity Board, Kerala
- 11 Gujarat State Electricity Generation Company (GSEC)
- 12 Kerala State Electricity Board, Kerala
- 13 Uttarakhand Power Generation Ltd.
- 14 Karnataka Power Trading Company Ltd, Karnataka
- 15 Power Development Department, J & K
- 16 Damodar Valley Corporation, Kolkata
- 17 Jharkhand State Electricity Board, Ranchi
- 18 Orissa Power Generation Company Ltd, Bhubaneshwar
- 19 West Bengal Power Development Corporation Ltd., Kolkata
- 20 Central Electricity Supply Company Ltd., Kolkata
- 21 Orissa Hydro Electricity Corporation Ltd., Bhubaneshwar
- 22 Meghalya Electricity Corporation Ltd., Shillong
- 23 Assam State Electricity Board, Guwahati
- 24 M.P. Power Generating Company Ltd. (MPPGCL)
- 25 Chattisgarh State Power Generating Company Ltd.
- 26 Andhra Pradesh Generation Company Ltd., Hyderabad.
- 27 Maharashtra State Power Generating Co. Ltd. (Mahagenco)
- 28 Punjab State Power Corporation Ltd., Patiala



- 29 Rajasthan Rajya Vidyut Utpadan Nigam Ltd. , Jaipur
- 30 Maha TATA Ltd., Mumbai
- 31 Maha Rel, Mumbai
- 32 Jindal Power Ltd., New Delhi
- 33 LANCO Ltd., Gurgaon
- 34 Narmada Control Authority, Indore
- 35 JSW Ltd., Mumbai
- 36 APCL Ltd., Tamil Nadu

.....Respondents

ORDER

Regulation 5.2.(f) of the of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 (hearing after “Grid Code”) provides that all thermal generating units of 200 MW and above and all hydro units of 10 MW and above which are synchronized with the grid, irrespective of their ownership, shall be required to have their governors in operation at all time in accordance with the provisions in sub-clauses (i) to (iii) of the said Regulation. The provisions of governor action is extracted as under :-

“Governor Action

- i) Following Thermal and hydro (except those with upto three hours pondage) generating units shall be operated under restricted governor mode of operation with effect from the date given below:
 - a) Thermal generating units of 200 MW and above,
 - 1) Software based Electro Hydraulic Governor (EHG)system : 01.08.2010
 - 2) Hardware based EHG system 01.08.2010
 - b) Hydro units of 10 MW and above 01.08.2010
- ii) The restricted governor mode of operation shall essentially have the following features:
 - a) There should not be any reduction in generation in case of improvement in grid frequency below 50.2 Hz. (for example if grid frequency changes from 49.3 to 49.4 Hz. then there shall not be any reduction in generation). Whereas for any fall in grid frequency, generation from the unit should increase by 5% limited to 105 % of the MCR of the unit subject to machine capability.



- b) Ripple filter of +/- 0.03 Hz. shall be provided so that small changes in frequency are ignored for load correction, in order to prevent governor hunting.
 - c) If any of these generating units is required to be operated without its governor in operation as specified above, the RLDC shall be immediately advised about the reason and duration of such operation. All governors shall have a droop setting of between 3% and 6%.
 - d) After stabilisation of frequency around 50 Hz, the CERC may review the above provision regarding the restricted governor mode of operation and free governor mode of operation may be introduced.
- iii) All other generating units including the pondage upto 3 hours Gas turbine/Combined Cycle Power Plants, wind and solar generators and Nuclear Power Stations shall be exempted from Sections 5.2 (f) ,5.2 (g), 5.2 (h) and ,5.2(i) till the Commission reviews the situation."

2. It has been brought to the notice of the Commission by the National Load Despatch Centre that out of the 700 generating stations / units, about 560 generating stations have not yet switched over to the operation under restricted governor mode. The list of such generating stations / units is enclosed as **Appendix** to this order. NLDC has submitted that adequate response is not coming from generating units which has declared themselves in RGMO. The fluctuation in system frequency also occurs at system boundary due to load change over or sudden increase in generation due to change in schedule. With all the units operating with RGMO the fluctuation in system frequency would have been restricted to large extent.

3. As all the generating stations are not on the RGMO mode, fluctuation in system frequency is adversely affecting the power system and the generating stations. Non-operation of the generating stations under the restricted governor mode after 1.8.2010 amounts to non compliance of the provisions of the Grid Code.

4. All the respondents are directed to explain by 10.10.2011 the reasons for not switching over to the restricted governor mode of operation and to show cause as to



why appropriate action under the Electricity Act, 2003 should not be initiated against the respondents for non-compliance of the provisions of the Grid Code.

Sd/-

**(M. DEENA DAYALAN)
MEMBER**

Sd/-

**(V.S.VERMA)
MEMBER**

Sd/-

**(S. JAYARAMAN)
MEMBER**

Sd/-

**(DR. PRAMOD DEO)
CHAIRPERSON**



Appendix

ALL INDIA RGMO STATUS

NORTHERN REGION					
Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
1	HARYANA	DCRTPP	THERMAL	1	300.00
2				2	300.00
3		PANIPAT TPS		5	210.00
4				6	210.00
5				7	250.00
6				8	250.00
7		RGTPP KHEDAR		1	600.00
8				2	600.00
9	NJPC	NAPTHA-JHAKRI HEP	HYDRO	1	250.00
10				2	250.00
11				3	250.00
12				4	250.00
13				5	250.00
14				6	250.00
15	PUNJAB	LEHRA MOHABBAT TPS	THERMAL	1	210.00
16				2	210.00
17				3	250.00
18				4	250.00
19		RANJIT SAGAR HEP	HYDRO	1	150.00
20				2	150.00
21				3	150.00
22				4	150.00
23		ROPAR TPS	THERMAL	1	210.00
24				2	210.00
25				3	210.00
26				4	210.00
27	5			210.00	
28	6			210.00	
29	JAWAHAR SAGAR HEP	HYDRO	1	33.00	
30			2	33.00	
31			3	33.00	

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
32	RAJASTHAN	KOTA TPS	THERMAL	3	210.00
33				4	210.00
34				5	210.00
35		RANA PRATAP SAGAR HEP	HYDRO	1	43.00
36				2	43.00
37				3	43.00
38				4	43.00
39		SURATGARH TPS	THERMAL	1	250.00
40				2	250.00
41				3	250.00
42				4	250.00
43				5	250.00
44				6	250.00
45		CHHABRA TPS		1	250.00
46		TEHRI	TEHRI HEP	HYDRO	1
47	2				250.00
48	3				250.00
49	4				250.00
50	U.P.	PARICHA TPS	THERMAL	3	210.00
51		ANPARA - A TPS		1	210.00
52				2	210.00
53		ANPARA - B TPS	3	210.00	
54			1	500.00	
55		2	500.00		
56		OBRA HEP	HYDRO	1	33.00
57				2	33.00
58				3	33.00
59		OBRA TPS EXTN-II	THERMAL	1	200.00
60				2	200.00
61				3	200.00
62				4	200.00
63				5	200.00
64		RIHAND HEP	HYDRO	1	50.00
65	2			50.00	
66	3			50.00	
67	4			50.00	
68	5			50.00	
69	6			50.00	
70	ROSA TPS	THERMAL	1	300.00	

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW				
71	UTTARAKH AND	RAMGANGA HEP	HYDRO	1	66.00				
72				2	66.00				
73				3	66.00				
74	J&K	BALIGHAR HEP	HYDRO	1	150.00				
75				2	150.00				
76				3	150.00				
77	TEESTA	TEESTA	HYDRO	1	170				
78				2	170				
79				3	170				
80	DVC	CHANDRAPURA TPS	THERMAL	7	250				
81		BOKARO 'B'		THERMAL	1	210			
82					2	210			
83					3	210			
84		MEJIA			THERMAL	1	210		
85						2	210		
86						3	210		
87						4	210		
88		MAITHON HPS				HYDRO	5	250	
89							6	250	
90			1				20		
91		PANCHET HPS	HYDRO	2			20		
92				3			20		
93		WARIA		THERMAL			1	40	
94					2		40		
95		JSEB			TENUGHAT		THERMAL	4	210
96								SUBARNREKHA	HYDRO
97	2				210				
98	SUBARNREKHA				HYDRO	1		65	
99		2				65			

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
100	OPGC	IBTPS	THERMAL	1	210
101				2	210
102	OHPC	BURLA	HYDRO	1	49.5
103				2	49.5
104				3	24
105				4	24
106				5	37.5
107				6	37.5
108				7	37.5
109		CHIPLIMA		1	24
110				2	24
111				3	24
112		BALIMELA		1	60
113				2	60
114				3	60
115				4	60
116				5	60
117				6	60
118				7	75
119				8	75
120		UPPER KOLAB		1	80
121				2	80
122				3	80
123				4	80
124		RENGALI		1	50
125				2	50
126				3	50
127				4	50
128				5	50
129		INDRAWATI		1	150
130				2	150
131				3	150
132				4	150
133		BAKRESHWAR		1	210
134	2		210		
135	3		210		
136	4		210		
137	5		210		
138	KOLAGHAT	1	210		
139		2	210		
140		3	210		
141		4	210		
142		5	210		
143		6	210		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW		
144	WBPDC	BANDEL		5	210		
145		SANTALDIH		5	250		
146		DPL		7	300		
147		SAGARDIGHI		1	300		
148				2	300		
149		RAMMAM		HYDRO	1	12.5	
150					2	12.5	
151					3	12.5	
152					4	12.5	
153					PPSP	1	225
154	2		225				
155	3	225					
156	CESC	BUDGE-BUDGE	THERMAL	4	225		
157				1	250		
158				2	250		
159				3	250		
160				RBPH		3	200
161						5	200
162						CHPH	
163	2	50					
164	3	50					
165	4	50					
166	GUJARAT	UKAI	HYDRO	5	50		
167				1	75		
168				2	75		
169				3	75		
170		KADANA		4	75		
171				1	60		
172				2	60		
173				3	60		
174	GANDHINAGAR	THERMAL	4	60			
175			3	210			
176			4	210			
177	WANAKBORI		5	210			
178			1	80			
179	PENCH		2	80			
			1	45			
	BARGI		2	45			
180			1	20			
181	BIRSINGPUR		3	125			
182			4	125			
183			5	125			
184	INDIRASGR		8	125			
185			1	15			
186			2	15			
187	BANSAGAR-III		3	15			

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW	
188	M.P.	MADHIKHEDA	HYDRO	1	20	
189				2	20	
190				3	20	
191		GANDHISAGAR		1	23	
192				2	23	
193				3	23	
194				4	23	
195				5	23	
196		OMKARESHWAR	1	65		
197			2	65		
198			3	65		
199			4	65		
200			5	65		
201			6	65		
202			7	65		
203			8	65		
204		AMARKANTAK	THERMAL	5	210	
205		SGTPS		1	210	
206				2	210	
207				3	210	
208			4	210		
209		Birsingpur-IV	HYDRO	1	10	
210		Rajghat		1	15	
211				2	15	
212	3		15			
213	Chhattisgarh	HASDEO BANGO	HYDRO	1	40	
214				2	40	
215				3	40	
216		KORBA WEST	THERMAL	1	210	
217				2	210	
218				3	210	
219				4	210	
220				KORBA EAST EXT	1	250
221					2	250
254		KOYNA1_2	HYDRO	1	70	
255				2	70	
256				3	70	
257				4	70	
258				5	80	
259				6	80	
260				7	80	
262				9	80	
263				KOYNA3	10	80
264					11	80
265					12	80
266				KOYNA4	1	250
267		2	250			
268		3	250			
269		4	250			
270		KOYNA DPH	1	20		
271			2	20		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
272	MAHARASHTRA	BHIRA TR	THERMAL	1	40
273				2	40
274		VAITERNA		1	60
275		TILLARY		1	60
276		CHANDRAPUR		1	210
277				2	210
278				3	210
279				4	210
280				5	500
281				6	500
282				7	500
283		KORADI		5	200
284				6	210
285		NASIK		7	210
286				3	210
287				4	210
288		KAPERKHEDA		5	210
289				1	210
290				2	210
291				3	210
292		PARLI		4	210
293				3	210
294				4	210
295		PARLI EXTN		5	210
296				1	250
297		2		250	
298		BHUSAWAL		2	210
299				3	210
300		PARAS EXTN		1	250
301		Ghatghar		2	250
302				1	125
303				2	125
304	Bhatghar		1	16	
305	Paithan		1	12	
306	BHANDARDARA		1	12	
307			2	34	
308	DUDHGANGA		1	12	
309		2	12		
310	PAWANA	1	10		
311	BHATSA	1	15		
312	UJJANI	1	12		
313	NEEPCO	RHEP	HYDRO	1	135
314				2	135
315				3	135
316		KOPILI		1	50
317				2	50
318				3	50
319				4	50

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW		
320		KHANDONG		1	25		
321				2	25		
322		KOPILI STG II		1	25		
323		DOYANG		1	25		
324				2	25		
325				3	25		
326	MeECL	UMIUM STG III	HYDRO	1	30		
327		2		30			
328		UMIUM STG IV		1	30		
329		UMIUM STG IV		2	30		
330	ASEB	LANGPI	HYDRO	1	50		
331				2	50		
333		Neyveli TS II		Unit 1	210		
334				Unit 2	210		
335				Unit 3	210		
336				Unit 4	210		
337				Unit 5	210		
338				Unit 6	210		
339				Unit 7	210		
340				Neyveli TS I Expn	Unit 1	210	
341					KUNDAH I	HYDRO	Unit 1
342		Unit 2					20
343	Unit 3	20					
344	KUNDAH II	Unit 1	35				
345		Unit 2	35				
346		Unit 3	35				
347		Unit 4	35				
348		Unit 5	35				
349	KUNDAH III	Unit 1	60				
350		Unit 2	60				
351		Unit 3	60				
352	KUNDAH IV	Unit 1	50				
353		Unit 2	50				
354	KUNDHA V	Unit 1	20				
355	KUNDAH VI	Unit 2	20				
356		Unit 1	30				
357	Pykara	Unit 5	11				
358		Unit 6	14				
359		Unit 7	14				
360	PUSHEP	Unit 1	50				
361		Unit 2	50				
362		Unit 3	50				
363	Moyar	Unit 1	12				
364		Unit 2	12				
365		Unit 3	12				
366	Aliyar	Unit 1	60				
367	Periyar	Unit 2	35				
368		Unit 3	35				
369		Unit 4	35				
370	Suruliyar	Unit 1	35				

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW	
371	TNEB	Kodayar I	THERMAL	Unit 1	60	
372		Kodayar II		Unit 1	40	
373		Tuticorin		Unit 4	210	
374				Unit 5	210	
375		North Chennai TPS		Unit 1	210	
376				Unit 2	210	
377				Unit 3	210	
378				Unit 1	210	
379				Tuticorin	Unit 2	210
380		Unit 3			210	
381		Unit 1			210	
382		METTUR		Unit 2	210	
383				Unit 3	210	
384				Unit 4	210	
385				KADAMPARAI	Unit 1	100
386		Unit 2			100	
387		Unit 3			100	
388		Unit 4			100	
389		METTUR TUNNEL		Unit 1	50	
390				Unit 2	50	
391				Unit 3	50	
392				Unit 4	50	
393		METTUR DAM		Unit 1	10	
394				Unit 2	10	
395				Unit 3	10	
396				Unit 4	10	
397		LOWER METTUR HEP I		Unit 1	15	
398				Unit 2	15	
399				LOWER METTUR HEP II	Unit 1	15
400					Unit 2	15
401		LOWER METTUR HEP III		Unit 1	15	
402				Unit 2	15	
403		LOWER METTUR HEP IV		Unit 1	15	
404				Unit 2	15	
405		PERIYAR		Unit 1	35	
406		PARSON'S VALLEY			30	
407		SARKARPATHY			30	
408		BHAVANI			15	
409		SHOLAYAR I		Unit 1	35	
410	Unit 2		35			
411	SHOLAYAR II	Unit 1	25			
412	SERVALAR		20			
413	SURULIAR		35			
414	APGENCO	KOTHAKUDAM D	unit 1	250		
415		VTPS	unit 3	210		
416			unit 4	210		
417		RYTPS	unit 3	210		
418			unit 4	210		
419		KOTHAGUDAM	Unit 2	250		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
420				Unit 5	210
421		VTPS	THERMAL	Unit 6	210
422				Unit 7	500
423				Unit 1	210
424		RYTPS		Unit 2	210
425				Unit 5	210
426		KAKATIYA		Unit 1	500
427				Unit 1	23
428				Unit 2	23
429		MACHKUND		Unit 3	23
430				Unit 4	17
431				Unit 5	17
432				Unit 6	17
433				Unit 1	60
434		UPPER SILERU		Unit 2	60
435				Unit 3	60
436				Unit 4	60
437				Unit 1	115
438		LOWER SILERU		Unit 2	115
439				Unit 3	115
440				Unit 4	115
441				Unit 1	110
442				Unit 2	110
443				Unit 3	110
444		SRISAILAM RB		Unit 4	110
445				Unit 5	110
446			HYDRO	Unit 6	110
447				Unit 7	110
448				Unit 1	150
449				Unit 2	150
450				Unit 3	150
451		SRISAILAM LB		Unit 4	150
452				Unit 5	150
453				Unit 6	150
454				Unit 1	101
455				Unit 2	101
456				Unit 3	101
457		NAGARJUNASAGAR		Unit 4	101
458				Unit 5	101
459				Unit 6	101
460				Unit 7	101
461				Unit 8	101
462		PRIYADARSHANI		Unit 1	39
463				Unit 2	39
464				Unit 3	39
465				Unit 4	39
466		VTPS	THERMAL	Unit 1	210
467				Unit 2	210
468		NAGARJUNASAGAR		Unit 1	30
469		LCPH		Unit 2	30

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW	
470		NAGARJUNASAGAR RCPH	HYDRO	Unit 1	30	
471				Unit 2	30	
472				Unit 3	30	
473		PENNA AHOBILAM		Unit 1	10	
474				Unit 2	10	
475				Unit 1	25	
476	KPTCL	LINGANAMAKKI DAM PH	HYDRO	Unit 1	28	
477		JOG (MGHES)		Unit 2	28	
478				Unit 1	18	
479				Unit 2	18	
480				Unit 3	18	
481				Unit 4	18	
482				Unit 5	12	
483				Unit 6	12	
484				Unit 7	12	
485				Unit 8	12	
486				BHADRA	Unit1	12
487					Unit 2	12
488				RAICHUR	THERMAL	Unit 1
489		Unit 2				210
490		Unit 3				210
491		Unit 4				210
492		Unit 5				210
493		Unit 6				210
494		Unit 7	210			
495		Unit 8	250			
496		VARAHI UGPH	HYDRO	Unit1	115	
497				Unit 2	115	
498				Unit3	115	
499				Unit4	115	
500		SHARAVATI		Unit 1	104	
501				Unit 2	104	
502				Unit 3	104	
503				Unit 4	104	
504				Unit 5	104	
505				Unit 6	104	
506	Unit 7			104		
507	Unit 8			104		
508	Unit 9			104		
509	Unit 10			104		
510	SUPA		Unit 1	50		
511			Unit 2	50		
512	NAGJHARI		Unit 1	150		
513			Unit 2	150		
514			Unit 3	150		
515			Unit 4	150		
516			Unit 5	150		
517			Unit 6	135		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
518		KODASALLI		Unit 1	40
519				Unit 2	40
520				Unit 3	40
521		KADRA		Unit 1	50
522				Unit 2	50
523				Unit 3	50
524		ALMATTI		Unit 1	15
525				Unit 2	55
526				Unit 3	55
527				Unit 4	55
528				Unit 5	55
529				Unit 6	55
530		GHATAPRABHA		Unit 1	16
531				Unit 2	16
532		SHARAVATI TAIL RACE		Unit 1	60
533				Unit 2	60
534				Unit 3	60
535		KSEB		IDDUKKI	HYDRO
536	Unit 2		130		
537	Unit 3		130		
538	Unit 4		130		
539	Unit 5		130		
540	Unit 6		130		
541	LOWER PERIYAR		Unit 1	60	
542			Unit 2	60	
543			Unit 3	60	
544	KUTTIYADI EXTN		Unit 4	50	
545	KAKKAD		Unit 1	25	
546			Unit 2	25	
547	NES			25	
548	PANNIAR		Unit 1	15	
549			Unit 2	15	
550	NERIAMANGALAM		Unit 1	18	
551			Unit 2	18	
552			Unit 3	18	
553	IDAMALAYAR		Unit 1	38	
554			Unit 2	38	
555	KUTTIYADI		Unit 1	25	
556			Unit 2	25	
557			Unit 3	25	
558	SABARGIRI		Unit 1	50	
559			Unit 2	55	
560			Unit 3	55	
561			Unit 4	55	
562			Unit 5	55	
563		Unit 6	60		
564	SHOLAYAR	Unit 1	18		
565		Unit 2	18		
566		Unit 3	18		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
567		SENGULAM		Unit 1	12
568				Unit 2	12
569				Unit 3	12
570				Unit 4	12
571		PORINGALKUTHU LBE		16	
572	NHPC(NR)	BAIRASIUL HEP	HYDRO	1	60.00
573				2	60.00
574				3	60.00
575		CHAMERA-1 HEP		1	180.00
576				2	180.00
577				3	180.00
578		CHAMERA-2 HEP		1	100.00
579				2	100.00
580		DHAULIGANGA HEP		3	100.00
581				1	70.00
582				2	70.00
583				3	70.00
584				4	70.00
585				1	130.00
586				2	130.00
587	3	130.00			
588	NHPC(ER)	RANGIT	HYDRO	1	20
589				2	20
590				3	20
591	NHPC(NER)	LOKTAK	HYDRO	1	35
592				2	35
593				3	35
594	NTPC(NR)	BADARPUR TPS	THERMAL	4	210.00
595		DADRI NCTPS STGE-II		5	210.00
596				1	490.00
597		2		490.00	
598		DADRI NCTPS STG-I		1	210.00
599				2	210.00
600				3	210.00
601				4	210.00
603				2	500.00
604				3	500.00
606				SINGRAULI STPS	1
607		2			200.00
608		3			200.00
609		4			200.00
611		6			500.00
612	7	500.00			
613	1	210.00			
614	UNCHA HAR TPS	2	210.00		
617		5	210.00		

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
618	NTPC(ER)	FARAKKA	THERMAL	1	200
619				2	200
620				3	200
621				4	500
622				5	500
623		KAHALGAON		1	210
624				2	210
625				3	210
626				4	210
627				5	500
628		TALCHAR		6	500
629				7	500
630				1	500
631				2	500
632				3	500
633	NTPC(WR)	KSTPS	4	500	
634			5	500	
635			6	500	
636			1	200	
637			2	200	
638		3	200		
639		4	500		
640		5	500		
641		6	500		
642		VSTPS	1	210	
645	4		210		
646	5		210		
648	7		500		
649	8		500		
650	NTPC(SR)	Ramagundam STPS	9	500	
651			10	500	
654			Unit 4	500	
657		Simhadri	Unit 7	500	
658			Unit 1	500	
659		Ramagundam STPS	Unit 2	500	
660			UNIT 1	200	
661	UNIT 2		200		
662		UNIT 3	200		
664		2	250		
665		3	250		
667	IPP	IPP NSPCL	1	250	
668			2	250	
669	IPP	IPP LANCO	1	300	
671	IPP	IPP APL	1	330	
673			3	330	
675			5	660	

Sr No	Utility/ Generator	Power Station to be under RGMO as per regulation	Hydro(H)/ Thermal(T)	Unit No	Effective Capacity in MW
676	MAHA_TATA	Bhivpuri	HYDRO	1	24
677				2	24
678				3	24
679				4	12
680				5	12
681		Bhira		1	25
682				2	25
683				3	25
684				4	25
685				5	25
686				6	25
687	MAHA JSW	JAIGAD	THERMAL	1	300
688				2	300
689				3	300
690	MAHA TATA	TATA BHIRA PSS	HYDRO		150
691		TROMBAY	THERMAL	5	500
693				8	250
694	MAHA REL	DAHANU	THERMAL	1	250
695				2	250
696	IPP TN	STCMS	THERMAL	Unit 1	250
697		PP NALLUR		Unit 1	230
698	IPP KAR	JINDAL		Unit 3	300
699		Bellary TPS		Unit 4	300
700				Unit 1	500
701	UPCL	Unit 1	600		