

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

**Petition No. 133/2010
(Suo-Motu)**

Coram

- 1. Dr. Pramod Deo, Chairperson**
- 2. Shri S. Jayaraman, Member**
- 3. Shri V. S. Verma, Member**
- 4. Shri M. Deena Dayalan, Member**

DATE OF ORDER: 24.5.2010

In the matter of

Over-drawal from the Grid in Violation of the Statutory Provisions

And in the matter of

1. Tamil Nadu Electricity Board (TNEB) **....Respondent**

ORDER

It has been reported by Southern Regional Load Despatch Centre (SRLDC) that there has been considerable over-drawal by various constituents of the region during the period from 25.3.2010 to 18.4.2010, when the frequency was below 49.2 Hz. The details of the time blocks in the above duration, when the respondent was over-drawing at frequency less than 49.2 Hz are enclosed as **Annexure 'I'** to this order. It has also been reported by SRLDC that during several time blocks in the above duration, the respondent's over-drawal was in excess of 12% of the schedule, when the frequency was below 49.5 Hz. The details of the time blocks during which the

Page 1 of 5

over-drawal by the respondent was more than 12% of the schedule when the frequency was below 49.5 Hz. are enclosed as **Annexure 'II'** to this order. It has further been reported that on all the days during the period from 25.3.2010 to 18.4.2010, over-drawal by TNEB when the frequency was below 49.5 Hz. was more than 3% of the schedule on daily aggregate basis. Details of the over-drawal by the respondent in excess of 3% of the schedule over a day when frequency was below 49.5 Hz. are enclosed as **Annexure 'III'** to this order. Further, the details of the 'C' messages issued to the respondent during the period from 25.3.2010 to 18.4.2010 are enclosed as **Annexure 'IV'** to this order.

2. In this connection Section 28 of the Electricity Act, 2003 (the Act) provides as under:

“(Functions of Regional Load Despatch Centre): --- (1) The Regional Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in the concerned region.

(2) The Regional Load Despatch Centre shall comply with such principles, guidelines and methodologies in respect of the wheeling and optimum scheduling and despatch of electricity as the Central Commission may specify in the Grid Code.

(3) The Regional Load Despatch Centre shall –

(a) be responsible for optimum scheduling and despatch of electricity within the region, in accordance with the contracts entered into with the licensees or the generating companies operating in the region;

(b) monitor grid operations;

(c) keep accounts of quantity of electricity transmitted through the regional grid;

(d) exercise supervision and control over the inter-State transmission system; and

(e) be responsible for carrying out real time operations for grid control and despatch of electricity within the region through secure and economic operation of the regional grid in accordance with the Grid Standards and the Grid Code.

(4) The Regional Load Despatch Centre may levy and collect such fee and charges from the generating companies or licensees engaged in inter-State transmission of electricity as may be specified by the Central Commission."

3. Further, para 5.4.2 (a) and 6.4.7 of the Indian Electricity Grid Code (the grid code) provides as under:

"5.4.2 Manual Demand Disconnection

(a) As mentioned elsewhere, the constituents shall endeavour to restrict their net drawal from the grid to within their respective drawal schedules whenever the system frequency is below 49.5 Hz. When the frequency falls below 49.2 Hz, requisite load shedding (manual) shall be carried out in the concerned State to curtail the over-drawal."

6.4 Demarcation of responsibilities

7. Provided that the States, through their SLDCs, shall always endeavour to restrict their net drawal from the grid to within their respective drawal schedules, whenever the system frequency is below 49.5 Hz. When the frequency falls below 49.2 Hz, requisite load shedding shall be carried out in the concerned State(s) to curtail the over-drawal."

4. Further clause (1) of regulation 7 of the Central Electricity Regulatory Commission (Unscheduled Interchange charges and related matters) Regulations, 2009 (hereinafter "the UI charges regulations") prescribes the following limits on over-drawal volumes:

(1) The over-drawal of electricity from the schedule by any beneficiary or a buyer during a time-block shall not exceed 12% of its scheduled drawal or 150 MW (whichever is lower) when frequency is below 49.5 Hz, and 3% on a daily aggregate basis.

5. Clause (4) of regulation 7 of the UI charges regulations specifically provides as under:

(4) Payment of Unscheduled Interchange Charges under regulation 5 and the Additional Unscheduled Interchange Charge under Regulation 7(3) above, shall be without prejudice to any action that may be considered appropriate under section 142 and section 149 of the Act for contravention of the over-drawal and under-generation limit specified in these regulations, for a time block when frequency is below 49.5 Hz.

6. From the information available on record, the following acts of the respondent *prima facie* appears to be contravention of statutory provisions:

- (a) 526 instances of over-drawal from the grid when the frequency was below 49.2 Hz during the period 25.3.2010 to 18.4.2010.
- (b) Over-drawal in excess of 12% of the schedule during 319 time blocks during the period 25.3.2010 to 18.4.2010 when the frequency was below 49.5 Hz.
- (c) Over-drawal in excess of 3% of the schedule over a day when the frequency was below 49.5 Hz. on all the days during from 25.3.2010 to 18.4.2010.
- (d) Non-compliance of the 74 'C' message directions of SRLDC

7. Accordingly, the respondent is hereby directed to show cause, latest by 7.6.2010, as to why it should not be held guilty of contravention of and non-

compliance with the above extracted provisions of the Act, grid code and UI charges regulations and appropriate proceedings be not initiated against it.

8. Member-Secretary, SRPC and General Manager, SRLDC or their representatives shall assist the Commission in the present proceedings.

9. List this case on 17.6.2010.

sd/-
(M. DEENA DAYALAN)
MEMBER

sd/-
(V. S. VERMA)
MEMBER

sd/-
(S. JAYARAMAN)
MEMBER

sd/-
(Dr. PRAMOD DEO)
CHAIRPERSON

**Details of overdrawal by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

S. No.	Date	Block No	Overdrawal (Average MW)
1	25/03/2010	1	365
2	25/03/2010	2	287
3	25/03/2010	3	259
4	25/03/2010	4	221
5	25/03/2010	6	284
6	25/03/2010	7	155
7	25/03/2010	10	385
8	25/03/2010	11	315
9	25/03/2010	12	337
10	25/03/2010	13	378
11	25/03/2010	16	354
12	25/03/2010	17	224
13	25/03/2010	18	136
14	25/03/2010	20	254
15	25/03/2010	21	393
16	25/03/2010	22	269
17	25/03/2010	23	307
18	25/03/2010	24	270
19	25/03/2010	27	407
20	25/03/2010	28	318
21	25/03/2010	29	530
22	25/03/2010	30	307
23	25/03/2010	34	532
24	25/03/2010	35	470
25	25/03/2010	36	502
26	25/03/2010	42	512
27	25/03/2010	43	471
28	25/03/2010	44	295
29	25/03/2010	50	346
30	25/03/2010	51	302
31	25/03/2010	54	364
32	25/03/2010	55	316
33	25/03/2010	56	318
34	25/03/2010	60	376
35	25/03/2010	67	260
36	25/03/2010	68	175
37	25/03/2010	70	261
38	25/03/2010	75	668
39	25/03/2010	77	300
40	25/03/2010	78	384
41	25/03/2010	79	306
42	25/03/2010	80	374
43	25/03/2010	81	402
44	25/03/2010	83	494
45	25/03/2010	84	431

**Details of overdrawal by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

46	25/03/2010	86	507
47	25/03/2010	89	489
48	25/03/2010	90	328
49	25/03/2010	91	449
50	25/03/2010	92	336
51	25/03/2010	93	325
52	25/03/2010	94	392
53	25/03/2010	95	327
54	25/03/2010	96	376
55	26/03/2010	1	413
56	26/03/2010	2	309
57	26/03/2010	3	338
58	26/03/2010	4	417
59	26/03/2010	5	411
60	26/03/2010	6	411
61	26/03/2010	7	358
62	26/03/2010	10	261
63	26/03/2010	11	205
64	26/03/2010	15	323
65	26/03/2010	16	287
66	26/03/2010	17	246
67	26/03/2010	18	264
68	26/03/2010	19	237
69	26/03/2010	20	331
70	26/03/2010	21	341
71	26/03/2010	22	227
72	26/03/2010	23	111
73	26/03/2010	24	145
74	26/03/2010	27	174
75	26/03/2010	28	181
76	26/03/2010	29	373
77	26/03/2010	30	290
78	26/03/2010	31	237
79	26/03/2010	43	291
80	26/03/2010	44	244
81	26/03/2010	45	214
82	26/03/2010	46	69
83	26/03/2010	47	237
84	26/03/2010	53	276
85	26/03/2010	54	174
86	26/03/2010	64	209
87	26/03/2010	65	46
88	26/03/2010	66	191
89	26/03/2010	67	134
90	26/03/2010	76	417
91	26/03/2010	90	695
92	26/03/2010	91	586
93	26/03/2010	93	170
94	26/03/2010	94	368

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

95	26/03/2010	95	283
96	27/03/2010	1	435
97	27/03/2010	4	295
98	27/03/2010	6	273
99	27/03/2010	18	264
100	27/03/2010	19	308
101	27/03/2010	20	282
102	27/03/2010	22	324
103	27/03/2010	23	316
104	27/03/2010	28	456
105	27/03/2010	29	512
106	27/03/2010	42	356
107	27/03/2010	43	240
108	27/03/2010	46	268
109	27/03/2010	90	434
110	27/03/2010	91	425
111	27/03/2010	93	145
112	28/03/2010	1	349
113	28/03/2010	2	372
114	28/03/2010	6	403
115	28/03/2010	7	338
116	28/03/2010	10	304
117	28/03/2010	19	373
118	28/03/2010	20	358
119	28/03/2010	22	387
120	28/03/2010	23	330
121	28/03/2010	24	386
122	28/03/2010	47	76
123	28/03/2010	52	199
124	28/03/2010	93	192
125	29/03/2010	6	252
126	29/03/2010	18	347
127	29/03/2010	23	444
128	30/03/2010	47	140
129	02/04/2010	21	200
130	02/04/2010	22	221
131	02/04/2010	23	232
132	02/04/2010	42	257
133	02/04/2010	43	165
134	02/04/2010	46	219
135	02/04/2010	51	362
136	02/04/2010	52	323
137	02/04/2010	58	319
138	02/04/2010	59	197
139	02/04/2010	63	253
140	02/04/2010	81	350
141	02/04/2010	82	320
142	02/04/2010	83	325
143	02/04/2010	85	182

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

144	02/04/2010	90	326
145	02/04/2010	91	211
146	02/04/2010	93	356
147	02/04/2010	95	238
148	03/04/2010	2	165
149	03/04/2010	3	224
150	03/04/2010	4	253
151	03/04/2010	5	244
152	03/04/2010	6	200
153	03/04/2010	12	120
154	03/04/2010	14	198
155	03/04/2010	15	203
156	03/04/2010	16	176
157	03/04/2010	17	211
158	03/04/2010	18	131
159	03/04/2010	20	240
160	03/04/2010	21	297
161	03/04/2010	22	150
162	03/04/2010	23	252
163	03/04/2010	24	204
164	03/04/2010	38	426
165	03/04/2010	39	403
166	03/04/2010	40	410
167	03/04/2010	41	355
168	03/04/2010	42	356
169	03/04/2010	43	323
170	03/04/2010	46	308
171	03/04/2010	77	411
172	03/04/2010	89	261
173	03/04/2010	90	444
174	03/04/2010	91	302
175	03/04/2010	93	203
176	03/04/2010	95	361
177	04/04/2010	3	447
178	04/04/2010	4	371
179	04/04/2010	5	280
180	04/04/2010	6	356
181	04/04/2010	7	326
182	04/04/2010	10	308
183	04/04/2010	11	327
184	04/04/2010	15	279
185	04/04/2010	16	240
186	04/04/2010	17	313
187	04/04/2010	19	349
188	04/04/2010	20	281
189	04/04/2010	21	245
190	04/04/2010	22	308
191	04/04/2010	23	378
192	05/04/2010	22	216

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

193	05/04/2010	59	110
194	05/04/2010	90	329
195	05/04/2010	91	314
196	05/04/2010	93	187
197	06/04/2010	3	196
198	06/04/2010	17	339
199	06/04/2010	18	258
200	06/04/2010	19	235
201	06/04/2010	20	273
202	06/04/2010	21	319
203	06/04/2010	22	236
204	06/04/2010	23	307
205	06/04/2010	40	286
206	06/04/2010	47	222
207	06/04/2010	52	311
208	06/04/2010	56	367
209	06/04/2010	59	288
210	06/04/2010	60	189
211	06/04/2010	76	307
212	06/04/2010	79	288
213	06/04/2010	81	169
214	06/04/2010	90	394
215	06/04/2010	91	328
216	06/04/2010	93	321
217	07/04/2010	2	215
218	07/04/2010	3	202
219	07/04/2010	4	236
220	07/04/2010	5	273
221	07/04/2010	6	291
222	07/04/2010	7	298
223	07/04/2010	11	235
224	07/04/2010	14	112
225	07/04/2010	16	230
226	07/04/2010	17	286
227	07/04/2010	18	169
228	07/04/2010	19	194
229	07/04/2010	20	215
230	07/04/2010	21	346
231	07/04/2010	22	180
232	07/04/2010	29	38
233	07/04/2010	30	16
234	07/04/2010	35	386
235	07/04/2010	38	429
236	07/04/2010	39	436
237	07/04/2010	40	401
238	07/04/2010	41	384
239	07/04/2010	42	402
240	07/04/2010	43	450
241	07/04/2010	44	421

**Details of overdrawal by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

242	07/04/2010	46	343
243	07/04/2010	47	221
244	07/04/2010	50	304
245	07/04/2010	51	246
246	07/04/2010	52	266
247	07/04/2010	53	240
248	07/04/2010	55	205
249	07/04/2010	56	192
250	07/04/2010	58	360
251	07/04/2010	59	233
252	07/04/2010	67	261
253	07/04/2010	70	262
254	07/04/2010	74	202
255	07/04/2010	75	359
256	07/04/2010	76	285
257	07/04/2010	78	399
258	07/04/2010	79	411
259	07/04/2010	80	224
260	07/04/2010	81	334
261	07/04/2010	82	289
262	07/04/2010	83	273
263	07/04/2010	84	219
264	07/04/2010	86	206
265	07/04/2010	89	169
266	07/04/2010	90	244
267	07/04/2010	93	307
268	07/04/2010	94	361
269	08/04/2010	1	336
270	08/04/2010	4	404
271	08/04/2010	5	243
272	08/04/2010	7	336
273	08/04/2010	10	278
274	08/04/2010	15	322
275	08/04/2010	16	280
276	08/04/2010	18	402
277	08/04/2010	19	315
278	08/04/2010	20	310
279	08/04/2010	21	197
280	08/04/2010	30	180
281	08/04/2010	76	400
282	08/04/2010	77	408
283	08/04/2010	78	365
284	08/04/2010	79	416
285	08/04/2010	80	332
286	08/04/2010	81	321
287	08/04/2010	82	287
288	08/04/2010	83	296
289	08/04/2010	84	307
290	08/04/2010	86	320

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

291	08/04/2010	89	282
292	08/04/2010	90	582
293	08/04/2010	91	558
294	08/04/2010	92	451
295	08/04/2010	93	556
296	08/04/2010	94	313
297	09/04/2010	2	600
298	09/04/2010	3	380
299	09/04/2010	5	439
300	09/04/2010	6	404
301	09/04/2010	10	440
302	09/04/2010	11	359
303	09/04/2010	12	395
304	09/04/2010	17	390
305	09/04/2010	18	380
306	09/04/2010	19	385
307	09/04/2010	20	336
308	09/04/2010	22	426
309	09/04/2010	23	409
310	09/04/2010	28	279
311	09/04/2010	30	351
312	09/04/2010	33	264
313	09/04/2010	34	214
314	09/04/2010	38	599
315	09/04/2010	39	487
316	09/04/2010	40	326
317	09/04/2010	41	295
318	09/04/2010	42	273
319	09/04/2010	43	309
320	09/04/2010	44	391
321	09/04/2010	45	474
322	09/04/2010	46	374
323	09/04/2010	47	210
324	09/04/2010	51	423
325	09/04/2010	52	332
326	09/04/2010	53	276
327	09/04/2010	54	271
328	09/04/2010	58	377
329	09/04/2010	59	471
330	09/04/2010	62	267
331	09/04/2010	63	286
332	09/04/2010	64	354
333	09/04/2010	66	389
334	09/04/2010	67	405
335	09/04/2010	68	303
336	09/04/2010	69	194
337	09/04/2010	75	344
338	09/04/2010	78	206
339	09/04/2010	80	300

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

340	09/04/2010	82	311
341	09/04/2010	85	5
342	09/04/2010	90	393
343	09/04/2010	91	251
344	09/04/2010	92	288
345	09/04/2010	93	347
346	09/04/2010	94	211
347	09/04/2010	95	339
348	09/04/2010	96	296
349	10/04/2010	1	525
350	10/04/2010	2	377
351	10/04/2010	3	256
352	10/04/2010	5	374
353	10/04/2010	6	316
354	10/04/2010	8	368
355	10/04/2010	9	370
356	10/04/2010	10	235
357	10/04/2010	12	326
358	10/04/2010	14	361
359	10/04/2010	15	322
360	10/04/2010	16	259
361	10/04/2010	17	244
362	10/04/2010	18	316
363	10/04/2010	19	217
364	10/04/2010	20	256
365	10/04/2010	21	399
366	10/04/2010	22	252
367	10/04/2010	23	296
368	10/04/2010	24	410
369	10/04/2010	27	286
370	10/04/2010	28	192
371	10/04/2010	30	393
372	10/04/2010	33	442
373	10/04/2010	35	460
374	10/04/2010	41	893
375	10/04/2010	42	603
376	10/04/2010	43	443
377	10/04/2010	44	445
378	10/04/2010	45	414
379	10/04/2010	46	243
380	10/04/2010	50	403
381	10/04/2010	51	192
382	10/04/2010	52	235
383	10/04/2010	54	351
384	10/04/2010	55	263
385	10/04/2010	56	282
386	10/04/2010	57	385
387	10/04/2010	58	240
388	10/04/2010	59	166

**Details of overdraw by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

389	10/04/2010	62	204
390	10/04/2010	65	446
391	10/04/2010	93	141
392	11/04/2010	6	337
393	11/04/2010	9	195
394	11/04/2010	10	157
395	11/04/2010	11	190
396	11/04/2010	14	194
397	11/04/2010	15	249
398	11/04/2010	16	300
399	11/04/2010	17	344
400	11/04/2010	18	280
401	11/04/2010	19	252
402	11/04/2010	22	253
403	11/04/2010	23	274
404	11/04/2010	41	460
405	11/04/2010	42	350
406	11/04/2010	44	422
407	11/04/2010	46	292
408	11/04/2010	52	301
409	11/04/2010	54	322
410	11/04/2010	58	414
411	11/04/2010	91	311
412	11/04/2010	93	108
413	12/04/2010	20	214
414	12/04/2010	22	187
415	12/04/2010	40	288
416	12/04/2010	41	395
417	12/04/2010	44	391
418	12/04/2010	51	242
419	12/04/2010	52	181
420	12/04/2010	55	290
421	12/04/2010	56	261
422	12/04/2010	58	363
423	12/04/2010	59	292
424	13/04/2010	39	558
425	13/04/2010	40	544
426	13/04/2010	43	465
427	13/04/2010	44	309
428	13/04/2010	46	312
429	13/04/2010	50	341
430	13/04/2010	51	316
431	13/04/2010	52	395
432	13/04/2010	54	224
433	13/04/2010	55	188
434	13/04/2010	58	239
435	13/04/2010	59	141
436	14/04/2010	22	241
437	14/04/2010	23	197

**Details of overdrawal by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

438	14/04/2010	51	120
439	15/04/2010	22	178
440	15/04/2010	38	15
441	15/04/2010	39	50
442	15/04/2010	40	136
443	15/04/2010	41	530
444	15/04/2010	42	489
445	15/04/2010	43	393
446	15/04/2010	44	374
447	15/04/2010	45	467
448	15/04/2010	46	262
449	15/04/2010	47	213
450	15/04/2010	50	238
451	15/04/2010	51	249
452	15/04/2010	52	299
453	15/04/2010	53	421
454	15/04/2010	54	365
455	15/04/2010	55	358
456	15/04/2010	56	228
457	15/04/2010	58	199
458	15/04/2010	59	151
459	15/04/2010	70	307
460	15/04/2010	76	207
461	15/04/2010	78	301
462	15/04/2010	79	144
463	15/04/2010	81	230
464	15/04/2010	90	559
465	15/04/2010	91	613
466	15/04/2010	92	534
467	15/04/2010	93	498
468	15/04/2010	94	499
469	15/04/2010	95	488
470	16/04/2010	10	343
471	16/04/2010	19	385
472	16/04/2010	20	296
473	16/04/2010	21	368
474	16/04/2010	22	333
475	16/04/2010	23	369
476	16/04/2010	41	176
477	16/04/2010	42	124
478	16/04/2010	43	155
479	16/04/2010	44	179
480	16/04/2010	46	229
481	16/04/2010	52	336
482	16/04/2010	53	379
483	16/04/2010	54	355
484	16/04/2010	55	376
485	16/04/2010	56	393
486	16/04/2010	57	434

**Details of overdrawal by TNEB below frequency 49.2Hz from
25/3/2010 to 18/4/2010**

487	16/04/2010	58	340
488	16/04/2010	59	248
489	16/04/2010	78	196
490	16/04/2010	90	379
491	17/04/2010	2	401
492	17/04/2010	19	345
493	17/04/2010	20	412
494	17/04/2010	21	476
495	17/04/2010	22	374
496	17/04/2010	23	345
497	17/04/2010	35	381
498	17/04/2010	41	397
499	17/04/2010	42	259
500	17/04/2010	43	249
501	17/04/2010	46	281
502	17/04/2010	47	145
503	17/04/2010	50	275
504	17/04/2010	51	288
505	17/04/2010	52	298
506	17/04/2010	54	299
507	17/04/2010	55	259
508	17/04/2010	56	298
509	17/04/2010	57	401
510	17/04/2010	58	295
511	17/04/2010	59	131
512	17/04/2010	60	116
513	17/04/2010	62	254
514	17/04/2010	63	272
515	17/04/2010	81	235
516	17/04/2010	90	433
517	17/04/2010	91	378
518	17/04/2010	92	322
519	17/04/2010	93	418
520	17/04/2010	94	332
521	17/04/2010	95	364
522	18/04/2010	2	265
523	18/04/2010	17	225
524	18/04/2010	18	226
525	18/04/2010	19	247
526	18/04/2010	21	140
Violation in No.of Blocks			526
Maximum overdrawal block-wise			893

**Details of overdrawal by TNEB in excess of 12% of schedule when
frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010**

S. No.	Date	Block No	Overdrawal
			(Average MW)
1	25/03/2010	10	385
2	25/03/2010	13	378
3	25/03/2010	21	393
4	25/03/2010	27	407
5	25/03/2010	29	530
6	25/03/2010	32	438
7	25/03/2010	33	470
8	25/03/2010	34	532
9	25/03/2010	35	470
10	25/03/2010	36	502
11	25/03/2010	42	512
12	25/03/2010	43	471
13	25/03/2010	45	454
14	25/03/2010	53	446
15	25/03/2010	74	617
16	25/03/2010	75	668
17	25/03/2010	83	494
18	25/03/2010	84	431
19	25/03/2010	85	428
20	25/03/2010	86	507
21	25/03/2010	88	496
22	25/03/2010	89	489
23	25/03/2010	91	449
24	25/03/2010	94	392
25	26/03/2010	1	413
26	26/03/2010	4	417
27	26/03/2010	5	411
28	26/03/2010	6	411
29	26/03/2010	36	386
30	26/03/2010	76	417
31	26/03/2010	81	399
32	26/03/2010	82	399
33	26/03/2010	89	644
34	26/03/2010	90	695
35	26/03/2010	91	586
36	26/03/2010	92	582
37	27/03/2010	1	435
38	27/03/2010	27	431
39	27/03/2010	28	456
40	27/03/2010	29	512
41	27/03/2010	30	473
42	27/03/2010	31	472
43	27/03/2010	32	436
44	27/03/2010	45	561
45	27/03/2010	90	434
46	27/03/2010	91	425

Details of overdrawal by TNEB in excess of 12% of schedule when frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010

S. No.	Date	Block No	Overdrawal
			(Average MW)
47	27/03/2010	96	403
48	28/03/2010	4	423
49	28/03/2010	5	394
50	28/03/2010	6	403
51	29/03/2010	1	480
52	29/03/2010	2	394
53	29/03/2010	19	405
54	29/03/2010	20	449
55	29/03/2010	23	444
56	29/03/2010	40	454
57	29/03/2010	41	437
58	29/03/2010	42	505
59	30/03/2010	21	430
60	30/03/2010	23	411
61	30/03/2010	24	450
62	01/04/2010	41	518
63	01/04/2010	42	472
64	01/04/2010	45	412
65	02/04/2010	38	443
66	02/04/2010	39	489
67	02/04/2010	41	511
68	03/04/2010	30	409
69	03/04/2010	38	426
70	03/04/2010	40	410
71	03/04/2010	44	418
72	03/04/2010	45	468
73	03/04/2010	58	441
74	03/04/2010	77	411
75	03/04/2010	78	415
76	03/04/2010	79	400
77	03/04/2010	90	444
78	04/04/2010	1	448
79	04/04/2010	2	497
80	04/04/2010	3	447
81	04/04/2010	14	396
82	04/04/2010	18	376
83	04/04/2010	90	412
84	04/04/2010	91	395
85	04/04/2010	92	400
86	06/04/2010	53	427
87	06/04/2010	54	383
88	06/04/2010	55	435
89	06/04/2010	57	489
90	06/04/2010	58	487
91	06/04/2010	74	462
92	06/04/2010	75	434
93	07/04/2010	24	385

**Details of overdrawal by TNEB in excess of 12% of schedule when
frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010**

S. No.	Date	Block No	Overdrawal
			(Average MW)
94	07/04/2010	32	418
95	07/04/2010	33	380
96	07/04/2010	35	386
97	07/04/2010	38	429
98	07/04/2010	39	436
99	07/04/2010	40	401
100	07/04/2010	41	384
101	07/04/2010	42	402
102	07/04/2010	43	450
103	07/04/2010	44	421
104	07/04/2010	45	549
105	07/04/2010	57	509
106	07/04/2010	77	538
107	07/04/2010	78	399
108	07/04/2010	79	411
109	08/04/2010	4	404
110	08/04/2010	18	402
111	08/04/2010	70	437
112	08/04/2010	71	449
113	08/04/2010	75	463
114	08/04/2010	77	408
115	08/04/2010	79	416
116	08/04/2010	90	582
117	08/04/2010	91	558
118	08/04/2010	92	451
119	08/04/2010	93	556
120	09/04/2010	1	669
121	09/04/2010	2	600
122	09/04/2010	3	380
123	09/04/2010	5	439
124	09/04/2010	6	404
125	09/04/2010	8	371
126	09/04/2010	9	533
127	09/04/2010	10	440
128	09/04/2010	11	359
129	09/04/2010	12	395
130	09/04/2010	15	393
131	09/04/2010	16	405
132	09/04/2010	17	390
133	09/04/2010	18	380
134	09/04/2010	19	385
135	09/04/2010	22	426
136	09/04/2010	23	409
137	09/04/2010	29	361
138	09/04/2010	31	379
139	09/04/2010	38	599
140	09/04/2010	39	487

**Details of overdrawal by TNEB in excess of 12% of schedule when
frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010**

S. No.	Date	Block No	Overdrawal
			(Average MW)
141	09/04/2010	40	326
142	09/04/2010	44	391
143	09/04/2010	45	474
144	09/04/2010	46	374
145	09/04/2010	51	423
146	09/04/2010	52	332
147	09/04/2010	58	377
148	09/04/2010	59	471
149	09/04/2010	60	437
150	09/04/2010	64	354
151	09/04/2010	65	479
152	09/04/2010	66	389
153	09/04/2010	67	405
154	09/04/2010	77	384
155	10/04/2010	1	525
156	10/04/2010	2	377
157	10/04/2010	5	374
158	10/04/2010	8	368
159	10/04/2010	9	370
160	10/04/2010	12	326
161	10/04/2010	14	361
162	10/04/2010	21	399
163	10/04/2010	24	410
164	10/04/2010	30	393
165	10/04/2010	31	339
166	10/04/2010	32	361
167	10/04/2010	33	442
168	10/04/2010	34	466
169	10/04/2010	35	460
170	10/04/2010	36	354
171	10/04/2010	38	836
172	10/04/2010	39	889
173	10/04/2010	40	940
174	10/04/2010	41	893
175	10/04/2010	42	603
176	10/04/2010	43	443
177	10/04/2010	44	445
178	10/04/2010	45	414
179	10/04/2010	50	403
180	10/04/2010	53	388
181	10/04/2010	54	351
182	10/04/2010	57	385
183	10/04/2010	64	408
184	10/04/2010	65	446
185	11/04/2010	4	363
186	11/04/2010	5	375
187	11/04/2010	21	383

**Details of overdrawal by TNEB in excess of 12% of schedule when
frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010**

S. No.	Date	Block No	Overdrawal
			(Average MW)
188	11/04/2010	38	552
189	11/04/2010	39	569
190	11/04/2010	40	509
191	11/04/2010	41	460
192	11/04/2010	44	422
193	11/04/2010	45	455
194	11/04/2010	51	384
195	11/04/2010	53	384
196	11/04/2010	55	372
197	11/04/2010	56	394
198	11/04/2010	57	489
199	11/04/2010	58	414
200	11/04/2010	59	364
201	11/04/2010	77	483
202	11/04/2010	79	456
203	11/04/2010	80	405
204	11/04/2010	90	412
205	12/04/2010	30	369
206	12/04/2010	31	393
207	12/04/2010	38	420
208	12/04/2010	39	378
209	12/04/2010	41	395
210	12/04/2010	42	434
211	12/04/2010	43	442
212	12/04/2010	44	391
213	12/04/2010	46	453
214	12/04/2010	47	365
215	12/04/2010	57	371
216	12/04/2010	58	363
217	12/04/2010	60	391
218	13/04/2010	38	575
219	13/04/2010	39	558
220	13/04/2010	40	544
221	13/04/2010	41	466
222	13/04/2010	42	551
223	13/04/2010	43	465
224	13/04/2010	45	326
225	13/04/2010	50	341
226	13/04/2010	52	395
227	13/04/2010	53	463
228	14/04/2010	43	393
229	15/04/2010	2	365
230	15/04/2010	3	463
231	15/04/2010	41	530
232	15/04/2010	42	489
233	15/04/2010	43	393
234	15/04/2010	44	374

Details of overdrawal by TNEB in excess of 12% of schedule when frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010

S. No.	Date	Block No	Overdrawal
			(Average MW)
235	15/04/2010	45	467
236	15/04/2010	53	421
237	15/04/2010	54	365
238	15/04/2010	55	358
239	15/04/2010	77	398
240	15/04/2010	89	361
241	15/04/2010	90	559
242	15/04/2010	91	613
243	15/04/2010	92	534
244	15/04/2010	93	498
245	15/04/2010	94	499
246	15/04/2010	95	488
247	15/04/2010	96	468
248	16/04/2010	2	377
249	16/04/2010	3	413
250	16/04/2010	4	423
251	16/04/2010	5	439
252	16/04/2010	6	439
253	16/04/2010	7	461
254	16/04/2010	9	437
255	16/04/2010	18	376
256	16/04/2010	19	385
257	16/04/2010	38	438
258	16/04/2010	45	562
259	16/04/2010	51	398
260	16/04/2010	52	336
261	16/04/2010	53	379
262	16/04/2010	54	355
263	16/04/2010	55	376
264	16/04/2010	56	393
265	16/04/2010	57	434
266	16/04/2010	58	340
267	16/04/2010	66	344
268	16/04/2010	67	438
269	16/04/2010	68	462
270	16/04/2010	69	431
271	16/04/2010	90	379
272	16/04/2010	91	392
273	16/04/2010	92	434
274	16/04/2010	93	472
275	16/04/2010	94	401
276	16/04/2010	95	416
277	16/04/2010	96	425
278	17/04/2010	1	390
279	17/04/2010	2	401
280	17/04/2010	4	401
281	17/04/2010	5	374

Details of overdrawal by TNEB in excess of 12% of schedule when frequency was below 49.5 Hz from 25/3/2010 to 18/4/2010

S. No.	Date	Block No	Overdrawal
			(Average MW)
282	17/04/2010	6	443
283	17/04/2010	7	472
284	17/04/2010	8	421
285	17/04/2010	9	383
286	17/04/2010	10	375
287	17/04/2010	11	428
288	17/04/2010	12	396
289	17/04/2010	16	374
290	17/04/2010	20	412
291	17/04/2010	21	476
292	17/04/2010	22	374
293	17/04/2010	24	364
294	17/04/2010	27	403
295	17/04/2010	28	485
296	17/04/2010	31	567
297	17/04/2010	33	380
298	17/04/2010	34	393
299	17/04/2010	35	381
300	17/04/2010	39	595
301	17/04/2010	40	582
302	17/04/2010	41	397
303	17/04/2010	45	504
304	17/04/2010	53	369
305	17/04/2010	57	401
306	17/04/2010	65	350
307	17/04/2010	68	376
308	17/04/2010	69	479
309	17/04/2010	70	511
310	17/04/2010	71	419
311	17/04/2010	90	433
312	17/04/2010	91	378
313	17/04/2010	93	418
314	17/04/2010	94	332
315	17/04/2010	95	364
316	18/04/2010	4	400
317	18/04/2010	5	388
318	18/04/2010	6	393
319	18/04/2010	7	378
Violation in No.of Blocks			319

**Details of overdrawal by TNEB in excess of 3% of
schedule over a day when frequency was below 49.5Hz
from 25/3/2010 to 18/4/2010**

S. No.	Date	Overdrawal
		(Average MW)
1	25/03/2010	331
2	26/03/2010	264
3	27/03/2010	275
4	28/03/2010	227
5	29/03/2010	276
6	30/03/2010	185
7	31/03/2010	129
8	01/04/2010	276
9	02/04/2010	259
10	03/04/2010	265
11	04/04/2010	260
12	05/04/2010	164
13	06/04/2010	265
14	07/04/2010	272
15	08/04/2010	280
16	09/04/2010	321
17	10/04/2010	320
18	11/04/2010	291
19	12/04/2010	238
20	13/04/2010	258
21	14/04/2010	158
22	15/04/2010	282
23	16/04/2010	310
24	17/04/2010	335
25	18/04/2010	207
No of days violations		25

**Grid Code violation messages issued by SRLDC to TNEB
from 25/3/2010 to 18/4/2010**

S. No.	Date	Average Frequency	% of time Frequency	% of time Frequency	No. of Message "C"
		(Hz)	< 49.50 Hz	< 49.2 Hz	
1	25/03/2010	49.22	86.9	32.6	12
2	26/03/2010	49.33	74.5	17.7	4
3	27/03/2010	49.44	49.7	7.6	3
4	02/04/2010	49.42	53.4	9.0	2
5	03/04/2010	49.35	11.4	1.9	2
6	06/04/2010	49.37	73.5	7.4	3
7	07/04/2010	49.27	84.9	21.6	6
8	08/04/2010	49.38	65.6	10.2	3
9	09/04/2010	49.27	83.5	29.6	11
10	10/04/2010	49.33	74.8	20.3	8
11	11/04/2010	49.43	55.3	8.4	3
12	13/04/2010	49.55	31.3	6.3	1
13	15/04/2010	49.35	65.1	17.4	4
14	16/04/2010	49.40	67.1	12.8	2
15	17/04/2010	49.34	70.5	18.6	5
16	22/04/2010	49.46	46.2	8.9	2
17	23/04/2010	49.36	61.0	24.5	5
18	24/04/2010	49.38	62.4	20.9	5
19	27/04/2010	49.51	39.6	7.6	1
20	28/04/2010	49.39	62.9	15.6	2
21	29/04/2010	49.33	63.6	21.1	6
22	30/04/2010	49.50	39.8	11.3	3
23	Total	49.39	58.5	14.4	74