

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 25/Sep/2015 FRIDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	92.500	2554.324	1) Gujrat	5.837	88.554
2) Hydro	7.131	211.791	2) Madhya Pradesh	16.286	221.710
3) Gas	10.289	189.217	3) Chattisgarh	4.510	100.950
<b>Total MSPGCL</b>	<b>109.920</b>	<b>2955.332</b>	4) Maharashtra Net	98.627	2270.855
B) 1) APLM	53.240	1189.700	5) Goa	-7.843	-177.588
2) JSWEL	28.571	691.190	6) TAPS 1&2 Injection	3.517	93.117
3) VIPL	12.598	272.606	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	17.440	478.104	8) Pench (MS)	0.592	16.076
5) WPCL	4.282	99.448	9) Pench (Excess)	-0.592	-16.076
6) Other IPP	2.371	53.137	<b>Total</b>	<b>120.342</b>	<b>2581.522</b>
C) 1) TPCL Thermal	17.462	404.994	a) Mumbai Schedule	23.940	543.304
2) TPCL Hydro	0.672	42.401	b) Mumbai Drawl	23.593	647.430
3) TPCL Gas	3.519	89.805	c) MSEDCL Bilateral *	35.516	596.684
4) R-INFRA Thermal	12.128	288.044	Include PX	6.297	-86.487
D) STATE			d) Mumbai Bilateral *	23.940	542.269
1) Thermal	240.592	6031.547	Include PX	2.195	32.035
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	7.803	254.192	<b>H) ENERGY CATERED (MUs)</b>		
3) Gas	13.808	279.022	1) MSEDCL	332.987	8024.767
4) Wind	6.486	326.259	2) Mumbai Discoms	57.376	1472.667
6) SOLAR	1.330	24.899	<b>TOTAL STATE</b>	<b>390.363</b>	<b>9497.434</b>
<b>TOTAL STATE</b>	<b>270.019</b>	<b>6915.919</b>			

\* Displayed for information, not added in total.

**DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II**

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 14 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4084	3931	3800	3827
MSPGCL Hydro	584	190	984	62
MSPGCL Gas	422	419	424	435
MSPGCL Total Generation	5090	4540	5208	4324
Central Sector Receipt	5716	5917	4731	4160
WIND	106	457	399	213
CPP / IPP	4844	4958	5011	4842
SOLAR	161	180	0	0
Exchange with Mumbai	-1222	-1262	-1114	-459
<b>MSEDCL DEMAND MET</b>	<b>14695</b>	<b>14790</b>	<b>14235</b>	<b>13080</b>
Load Shedding	22	21	19	20
MSEDCL DEMAND	14717	14811	14254	13100
TPCL GENERATION	978	874	1070	874
R-INFRA GENERATION	517	514	517	519
<b>MUMBAI DEMAND</b>	<b>2717</b>	<b>2650</b>	<b>2701</b>	<b>1852</b>
STATE DEMAND MET	17412	17440	16936	14932
<b>STATE DEMAND</b>	<b>17434</b>	<b>17461</b>	<b>16955</b>	<b>14952</b>
Frequency (Hz)	49.89	49.93	49.94	49.92

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13:03 Hrs	49.62 Hz at 18:53 Hrs	49.93	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

## Daily and Progressive Generation, Maximum, Minimum for 25/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
<b>Koradi</b>				
Unit 5	2.63	82.57	128	0
Unit 6	0.00	0.00	0	0
Unit 7	3.66	76.21	165	133
<b>Total</b>	<b>6.29</b>	<b>158.78</b>		
<b>Bhusawal</b>				
Unit 2	0.00	0.00	0	0
Unit 3	4.07	101.19	175	165
Unit 4	8.20	255.70	360	320
Unit 5	11.30	168.48	500	425
<b>Total</b>	<b>23.56</b>	<b>525.36</b>		
<b>Parli</b>				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
<b>Total</b>	<b>0.00</b>	<b>0.00</b>		
<b>Chandrapur</b>				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	73.86	0	0
Unit 3	4.52	96.85	195	172
Unit 4	0.00	0.00	0	0
Unit 5	5.49	213.40	285	180
Unit 6	9.12	209.50	425	320
Unit 7	8.66	205.54	419	288
<b>Total</b>	<b>27.80</b>	<b>799.15</b>		
<b>Paras</b>				
Unit 3	5.06	123.72	222	199
Unit 4	0.00	118.94	200	111
<b>Total</b>	<b>5.06</b>	<b>242.67</b>		
<b>Khaparkheda</b>				
Unit 1	3.05	66.10	155	105
Unit 2	3.14	84.98	155	115
Unit 3	3.46	88.78	154	130
Unit 4	3.28	88.37	152	120
Unit 5	6.75	205.59	370	0
<b>Total</b>	<b>19.67</b>	<b>533.81</b>		
<b>Nasik</b>				
Unit 3	1.06	90.94	175	0
Unit 4	4.45	95.85	196	170
Unit 5	4.60	107.76	197	185
<b>Total</b>	<b>10.11</b>	<b>294.55</b>		
<b>Uran</b>				
All Units	10.29	189.22	440	417
<b>Total</b>	<b>10.29</b>	<b>189.22</b>		
<b>PENCH (MS)</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.59	16.08	53	0
<b>Total</b>	<b>0.59</b>	<b>16.08</b>		
<b>Koyna</b>				
Stage 1-2	3.26	77.02	510	45
Stage 4	2.12	52.51	478	0
Stage 3	0.56	31.96	122	0
<b>Total</b>	<b>5.95</b>	<b>161.49</b>		
<b>Hydro</b>				
KDPH	0.00	7.93	0	0
VTRNA	0.00	0.31	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	4.28	80	0
RNGR+BHTSA	0.00	1.41	0	0
BHANDARDRA	0.32	6.95	39	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.32	6.12	21	12
GHATGHAR	0.41	23.19	125	0
<b>Total</b>	<b>1.18</b>	<b>50.30</b>		
<b>Wind</b>				
Total	6.49	326.26	0	0
<b>Total</b>	<b>6.49</b>	<b>326.26</b>		
<b>CPP</b>				
APML(Mus)	53.24	1189.70	0	0
JSWEL(Mus)	28.57	691.19	0	0
VIPL(Mus)	12.60	272.61	0	0
RPLAMT(Mus)	17.44	478.10	0	0
WPCL(Mus)	4.28	99.45	0	0
Other(Mus)	2.37	53.14	0	0
<b>Total</b>	<b>118.50</b>	<b>2784.18</b>		
<b>SOLAR</b>				
Total	1.33	24.90	0	0
<b>Total</b>	<b>1.33</b>	<b>24.90</b>		
<b>Tata</b>				
Trombay 5	11.51	263.12	489	449
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.12	61.57	114	69
Trombay 7B	1.40	28.24	66	52
Trombay 8	5.95	141.87	251	246
TATA Hydro	0.67	42.40	172	0
<b>Total</b>	<b>21.65</b>	<b>537.20</b>		
<b>R-INFRA</b>				
1-2	12.13	288.04	521	396
<b>Total</b>	<b>12.13</b>	<b>288.04</b>		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	92.50	2554.32
MSPGCL Thml+Gas	102.79	2743.54

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.13	211.79
MSPGCL Total	109.92	2955.33

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	5.39	129.53
State Total	270.02	6915.92

**State Load Despatch Center,Airoli (MSETCL)**  
**Hourly Load Data As on 25/Sep/2015**

**Annexure-2**

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3825	115	434	4374	165	5010	0	4279	4518	-860	13207	30	13237	2260	15497	49.92
2	3846	62	434	4342	194	4975	0	4207	4245	-664	13092	20	13112	2063	15175	49.98
3	3847	57	434	4338	181	4916	0	4100	4246	-537	13144	20	13164	1939	15103	49.98
4	3831	57	434	4322	198	4956	0	4094	4072	-472	13076	20	13096	1875	14971	50.00
5	3827	62	435	4324	213	4842	0	4267	4160	-459	13080	20	13100	1852	14952	49.92
6	3857	202	435	4494	174	4827	0	4438	4619	-492	13622	22	13644	1928	15572	49.88
7	3884	658	440	4982	198	4874	2	4957	5045	-570	14531	22	14553	1997	16550	49.92
8	3958	538	438	4934	111	4875	26	5401	5707	-687	14966	41	15007	2086	17093	49.99
9	4036	417	434	4887	139	4853	81	5570	5868	-922	14906	22	14928	2290	17218	49.95
10	4068	471	430	4969	100	5002	136	5660	5655	-1137	14725	22	14747	2532	17279	49.91
11	4084	584	422	5090	106	4844	161	5621	5716	-1222	14695	22	14717	2717	17434	49.89
12	4046	457	417	4920	228	4838	175	5676	5675	-1220	14616	22	14638	2770	17408	49.84
13	3959	267	417	4643	305	4929	172	5389	5624	-1254	14419	22	14441	2767	17208	49.89
14	3931	190	419	4540	457	4958	180	5321	5917	-1262	14790	21	14811	2650	17461	49.93
15	3909	463	421	4793	531	4935	160	5366	5349	-1295	14473	19	14492	2680	17172	49.93
16	3943	221	418	4582	493	5057	122	5402	5796	-1291	14759	19	14778	2674	17452	49.94
17	3897	297	420	4614	454	5062	79	4961	4959	-1306	13862	19	13881	2669	16550	49.96
18	3617	137	425	4179	464	5049	32	4686	4368	-1247	12845	19	12864	2609	15473	49.93
19	3654	237	423	4314	377	4871	4	4850	4931	-1227	13270	19	13289	2609	15898	49.78
20	3800	984	424	5208	399	5011	0	4794	4731	-1114	14235	19	14254	2701	16955	49.94
21	3982	253	432	4667	342	4987	0	4802	4865	-1110	13751	19	13770	2554	16324	49.93
22	4031	72	434	4537	268	4995	0	4661	4821	-1149	13472	19	13491	2507	15998	49.99
23	3745	234	434	4413	213	4837	0	4554	4788	-1123	13128	19	13147	2341	15488	49.92
24	3807	96	435	4338	176	4999	0	4412	4672	-973	13212	19	13231	2304	15535	49.96
<b>MUs</b>	<b>93.38</b>	<b>7.13</b>	<b>10.29</b>	<b>110.80</b>	<b>6.49</b>	<b>118.50</b>	<b>1.33</b>	<b>117.47</b>	<b>120.35</b>	<b>-23.59</b>	<b>333.88</b>	<b>0.52</b>	<b>334.39</b>	<b>57.37</b>	<b>391.77</b>	<b>49.93</b>

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

**State Load Despatch Center, Airoli (MSETCL)      Statement-VI**  
**Details of Generating Unit Outages/Trippings for 25/Sep/2015**

Position as on 6.30 Hrs of 26/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>								
MSPGCL	Chandrapur Unit 4	210	29/08/2015	23.55		Continued.	Annual Overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
<b>FORCED OUTAGE</b>								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generator bearing	
MSPGCL	Koradi Unit-8	660	18/09/2015	18.08		Continued.	ESP Problem	
MSPGCL	Nasik Unit 3	210	21/09/2015	15.00	25/09/2015	16.00	Boiler Tube Leakage	
MSPGCL	Paras Unit 4	250	24/09/2015	07.14	25/09/2015	19.00	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 2	210	24/09/2015	17.41		Continued.	Boiler ring header leakage.	
IPP	RPL(AMT) U-4	270	24/09/2015	21.00		Continued.	Bottom ash Problem	
MSPGCL	Khaparkheda Unit 5	500	25/09/2015	16.40	25/09/2015	20.23	Drum level low	
MSPGCL	Chandrapur Unit-8	500	25/09/2015	18.51	25/09/2015	20.23	Loss of fuel	

**State Load Despatch Center, Airoli (MSETCL)      Statement-VI**  
**Details of Generating Unit Outages/Trippings for 25/Sep/2015**

Position as on 6.30 Hrs of 26/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 5	500	25/09/2015	21.43		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	25/09/2015	21.57		Continued.	ID Fan vibration high	

**State Load Despatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 25/Sep/2015**

**Statement-VII**

Position as on 6.30 Hrs of 26/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
<b>500 KV LINE Outages/Trippings</b>							
Chandrapur - Padghe Hvdc Pole 2	IntraState	25/09/2015	17.29	25/09/2015	17.35	HT	Bus Change
<b>400 KV LINE Outages/Trippings</b>							
Dabhol Nagothane II	InterState	22/09/2015	11.16		Continued.	PO	Maintenance & testing work at Dabhol end.
Kolhapur Mapusa II	InterState	24/09/2015	16.45	25/09/2015	07.43	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	24/09/2015	21.45	25/09/2015	07.51	HT	Over Voltage
Akola Aurangabad(PG) I	InterState	25/09/2015	10.01	25/09/2015	17.41	PO	Isoletor work
Kolhapur Mapusa I	InterState	25/09/2015	16.38		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	25/09/2015	18.18		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	10/09/2015	16.40	25/09/2015	18.20	HT	For Controlling Padgha-BBLR D/C Loading.
karad -kolhapur-I	IntraState	24/09/2015	16.38	25/09/2015	07.03	HT	Over Voltage
Karad-Jaigad - I	IntraState	24/09/2015	18.10	25/09/2015	07.07	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	24/09/2015	21.50	25/09/2015	08.19	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	25/09/2015	10.00	25/09/2015	18.06	PO	Annual Maintenance Work
Chandrapur-Parali III	IntraState	25/09/2015	10.18	25/09/2015	15.51	PO	Line Maintenance work
karad -kolhapur-II	IntraState	25/09/2015	16.15		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	25/09/2015	16.36		Continued.	PO	Over Voltage
Bhusawal-Aurangabad	IntraState	25/09/2015	17.42		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	25/09/2015	18.20		Continued.	HT	Attending Hot Spot
<b>220 KV LINE Outages/Trippings</b>							
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Tripped on B ph Diff Prot. cable damage near reliance sub station.
Padghe - Vasai	IntraState	15/08/2015	08:35		Continued.	PO	Removal of jumper & bunching work at Loc No. 51/1 & 35 ( charged up to Loc No. 51/1 from Padghe end only )
Kalwa - Borivali	IntraState	16/08/2015	08.00		Continued.	PO	Erection of Loc.No.12 and shifting of conductor on NER M/C Tower
Kalwa - Mulund 1	IntraState	22/08/2015	07.35		Continued.	PO	Mumbai Strengthening work
Bableshtar- Alephata	IntraState	25/09/2015	06.22	25/09/2015	17.13	HT	Over Voltage
Bableshtar- Ranjangaon	IntraState	25/09/2015	07.31	25/09/2015	17.04	HT	control ict loading
Parvati - Hybrid Pass	IntraState	25/09/2015	07.38	25/09/2015	16.59	PO	controlling line loading
Boisar II - PGCIL I	IntraState	25/09/2015	08.10	25/09/2015	10.43	PO	Attending Hot Spot
Hinjawadi I- Chinchwad	IntraState	25/09/2015	08.20	25/09/2015	16.48	PO	controlling line loading
Boisar II - PGCIL II	IntraState	25/09/2015	11.10	25/09/2015	12.54	PO	Attending Hot Spot
Tata Borivli MSETCL Borivli 5	IntraState	25/09/2015	11.40	25/09/2015	15.15	PO	R-ph ct Attending work
Boisar Versova Line	IntraState	25/09/2015	22.10	26/09/2015	01.48	PO	Relay replacement work
<b>220 KV ICT Outages/Trippings</b>							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22KV 100MVA T/F 4 @Mulund	IntraState	09/09/2015	12.20		Continued.	PO	Replacement of Control and Relay Panal

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

**State Load Despatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 25/Sep/2015**

**Statement-VII**

Position as on 6.30 Hrs of 26/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33 Kv 100 Mva Alstom Ptr 1 @Valve	IntraState	15/09/2015	16.34		Continued.	T	On Snake Fault,33kv Breaker R,Y,B Ph Pole Burst.
<b>132 KV LINE Outages/Trippings</b>							
Boisar Midc - Dahanu 2	IntraState	25/09/2015	09.55	25/09/2015	11.08	PO	Attending Oil Leakages of ICT
Umri - Kundalwadi	IntraState	25/09/2015	19:50	25/09/2015	20:14	T	Distance Protection
Kanhan-Pench	IntraState	26/09/2015	03.58	26/09/2015	05.08	T	Distance Protection

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage