

**State Load Despatch Center, Airoli (MSETCL) Statement I**  
**Daily system Report for 14/Sep/2015 MONDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	114.066	1473.172	1) Gujrat	2.989	43.428
2) Hydro	3.861	138.906	2) Madhya Pradesh	9.875	145.535
3) Gas	6.551	88.222	3) Chattisgarh	3.110	61.870
<b>Total MSPGCL</b>	<b>124.478</b>	<b>1700.300</b>	4) Maharashtra Net	94.467	1407.284
B) 1) APLM	35.790	711.790	5) Goa	-7.163	-104.670
2) JSWEL	27.742	390.489	6) TAPS 1&2 Injection	3.539	53.265
3) VIPL	9.727	159.627	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	14.720	275.774	8) Pench (MS)	0.504	8.622
5) WPCL	4.330	57.904	9) Pench (Excess)	-0.504	-8.622
6) Other IPP	2.004	28.580	<b>Total</b>	<b>106.313</b>	<b>1598.090</b>
C) 1) TPCL Thermal	16.087	231.964	a) Mumbai Schedule	20.284	315.932
2) TPCL Hydro	1.803	29.267	b) Mumbai Drawl	28.068	357.328
3) TPCL Gas	3.907	44.480	c) MSEDCL Bilateral *	27.041	423.738
4) R-INFRA Thermal	11.302	165.447	Include PX	-0.228	32.375
D) STATE			d) Mumbai Bilateral *	20.284	314.897
1) Thermal	235.768	3494.747	Include PX	1.100	12.692
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro (A2+C2)	5.664	168.173	<b>H) ENERGY CATERED (MUs)</b>		
3) Gas (A3+C3)	10.458	132.702	1) MSEDCL	311.243	4696.211
4) Wind	13.551	116.648	2) Mumbai Discoms	61.170	828.479
6) SOLAR	0.656	14.337	<b>TOTAL STATE</b>	<b>372.413</b>	<b>5524.690</b>
<b>TOTAL STATE</b>	<b>266.097</b>	<b>3926.607</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 4 Hrs
MSPGCL Thermal	4932	4804	4956	4650
MSPGCL Hydro	355	117	237	235
MSPGCL Gas	289	283	293	293
MSPGCL Total Generation	5576	5204	5486	5178
Central Sector Receipt	4932	4921	4944	3308
WIND	589	653	537	320
CPP / IPP	4385	4191	4226	3686
SOLAR	74	80	0	0
Exchange with Mumbai	-1428	-1410	-1262	-763
<b>MSEDCL DEMAND MET</b>	<b>14128</b>	<b>13639</b>	<b>13931</b>	<b>11729</b>
Load Shedding	22	26	26	22
MSEDCL DEMAND	14150	13665	13957	11751
TPCL GENERATION	1104	1073	1068	624
R-INFRA GENERATION	515	517	518	398
<b>MUMBAI DEMAND</b>	<b>3047</b>	<b>3000</b>	<b>2848</b>	<b>1785</b>
STATE DEMAND MET	17175	16639	16779	13514
<b>STATE DEMAND</b>	<b>17197</b>	<b>16665</b>	<b>16805</b>	<b>13536</b>
Frequency (Hz)	49.96	49.85	49.92	49.87

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 10.03 Hrs	49.61 Hz at 16.38 Hrs	49.89	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 14/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
<b>Koradi</b>				
Unit 5	3.44	47.26	152	125
Unit 6	0.00	0.00	0	0
Unit 7	3.75	42.92	170	140
<b>Total</b>	<b>7.19</b>	<b>90.18</b>		
<b>Bhusawal</b>				
Unit 2	0.00	0.00	0	0
Unit 3	4.12	57.23	175	160
Unit 4	10.51	148.42	475	390
Unit 5	10.27	97.42	460	400
<b>Total</b>	<b>24.90</b>	<b>303.06</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	3.38	45.05	144	130
Unit 3	4.10	50.55	199	138
Unit 4	0.00	0.00	0	0
Unit 5	9.29	130.92	415	370
Unit 6	9.32	133.34	435	371
Unit 7	9.02	120.54	399	325
<b>Total</b>	<b>35.09</b>	<b>480.40</b>		
<b>Paras</b>				
Unit 3	4.77	69.10	212	186
Unit 4	4.40	72.49	204	166
<b>Total</b>	<b>9.17</b>	<b>141.58</b>		
<b>Khaparkheda</b>				
Unit 1	3.77	31.12	170	125
Unit 2	3.59	48.15	160	135
Unit 3	3.95	49.30	171	160
Unit 4	4.03	49.94	171	163
Unit 5	8.96	110.28	470	350
<b>Total</b>	<b>24.30</b>	<b>288.79</b>		
<b>Nasik</b>				
Unit 3	4.51	62.72	200	180
Unit 4	4.41	47.63	195	175
Unit 5	4.48	58.80	198	182
<b>Total</b>	<b>13.40</b>	<b>169.15</b>		
<b>Uran</b>				
All Units	6.55	88.22	294	136
<b>Total</b>	<b>6.55</b>	<b>88.22</b>		
<b>PENCH (MS)</b>				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.50	8.62	53	0
<b>Total</b>	<b>0.50</b>	<b>8.62</b>		
<b>Koyna</b>				
Stage 1-2	2.02	47.00	315	40
Stage 4	0.00	37.76	0	0
Stage 3	0.53	19.55	98	0
<b>Total</b>	<b>2.56</b>	<b>104.32</b>		
<b>Hydro</b>				
KDPH	0.44	7.33	19	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	2.69	77	0
RNGR+BHTSA	0.00	1.00	0	0
BHANDARDRA	0.00	6.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.13	3.47	13	2
GHATGHAR	0.61	13.97	125	0
<b>Total</b>	<b>1.30</b>	<b>34.59</b>		
<b>Wind</b>				
Total	13.55	116.65	0	0
<b>Total</b>	<b>13.55</b>	<b>116.65</b>		
<b>CPP</b>				
APML(Mus)	35.79	711.79	0	0
JSWEL(Mus)	27.74	390.49	0	0
VIPL(Mus)	9.73	159.63	0	0
RPLAMT(Mus)	14.72	275.77	0	0
WPCL(Mus)	4.33	57.90	0	0
Other(Mus)	2.00	28.58	0	0
<b>Total</b>	<b>94.31</b>	<b>1624.16</b>		
<b>SOLAR</b>				
Total	0.66	14.34	0	0
<b>Total</b>	<b>0.66</b>	<b>14.34</b>		
<b>Tata</b>				
Trombay 5	10.43	151.21	488	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.43	33.16	115	59
Trombay 7B	1.48	11.32	67	47
Trombay 8	5.66	80.76	249	200
TATA Hydro	1.80	29.27	220	0
<b>Total</b>	<b>21.80</b>	<b>305.71</b>		
<b>R-INFRA</b>				
1-2	11.30	165.45	519	393
<b>Total</b>	<b>11.30</b>	<b>165.45</b>		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	114.07	1473.17
MSPGCL Thml+Gas	120.62	1561.39

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	3.86	138.91
MSPGCL Total	124.48	1700.30

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.02	84.76
State Total	266.10	3926.61

# State Load Despatch Center, Airoli (MSETCL)

# Annexure-2

## Hourly Load Data As on 14/Sep/2015

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	4642	60	136	4838	431	3778	0	4114	4195	-1099	12143	37	12180	2126	14306	49.95
2	4675	60	158	4893	399	3780	0	3947	4008	-925	12155	22	12177	1948	14125	49.89
3	4650	60	192	4902	313	3613	0	3549	3811	-821	11818	22	11840	1844	13684	49.89
4	4650	235	293	5178	320	3686	0	3187	3308	-763	11729	22	11751	1785	13536	49.87
5	4674	65	293	5032	324	3781	0	3600	3468	-749	11856	22	11878	1774	13652	49.90
6	4680	65	293	5038	327	3779	0	4060	4150	-833	12461	22	12483	1865	14348	49.92
7	4709	65	294	5068	321	3816	3	4539	4804	-856	13156	22	13178	2003	15181	49.91
8	4806	140	284	5230	404	3916	17	4737	4867	-895	13539	22	13561	2159	15720	49.87
9	4843	158	285	5286	592	3993	47	4961	4869	-1132	13655	22	13677	2484	16161	49.90
10	4839	160	288	5287	638	4035	59	4945	4996	-1283	13732	22	13754	2826	16580	49.89
11	4932	355	289	5576	589	4385	74	5023	4932	-1428	14128	22	14150	3047	17197	49.96
12	4837	274	288	5399	571	4317	114	4853	4921	-1445	13877	22	13899	3098	16997	49.87
13	4828	151	285	5264	543	4205	109	4753	4798	-1552	13367	22	13389	3089	16478	49.87
14	4804	117	283	5204	653	4191	80	4668	4921	-1410	13639	26	13665	3000	16665	49.85
15	4818	127	284	5229	1005	4114	56	4696	4481	-1543	13342	26	13368	3043	16411	49.83
16	4731	67	284	5082	1166	3750	39	4625	4264	-1546	12755	26	12781	3033	15814	49.92
17	4678	182	290	5150	1124	3556	37	4182	4225	-1413	12679	26	12705	2992	15697	49.84
18	4666	272	288	5226	837	3568	18	3691	4352	-1318	12683	26	12709	2940	15649	49.94
19	4726	347	286	5359	659	3811	3	4257	4443	-1304	12971	26	12997	2925	15922	49.82
20	4956	237	293	5486	537	4226	0	4785	4944	-1262	13931	26	13957	2848	16805	49.92
21	4743	192	290	5225	412	4135	0	4788	4986	-1219	13539	26	13565	2761	16326	49.87
22	4782	192	290	5264	455	3985	0	4455	4546	-1113	13137	26	13163	2619	15782	49.86
23	4695	192	292	5179	541	3944	0	4398	4266	-1103	12827	26	12853	2533	15386	49.93
24	4702	88	293	5083	390	3949	0	4135	3758	-1056	12124	26	12150	2425	14575	49.90
<b>MUs</b>	<b>114.07</b>	<b>3.86</b>	<b>6.55</b>	<b>124.48</b>	<b>13.55</b>	<b>94.31</b>	<b>0.66</b>	<b>104.95</b>	<b>106.31</b>	<b>-28.07</b>	<b>311.24</b>	<b>0.59</b>	<b>311.83</b>	<b>61.17</b>	<b>373.00</b>	<b>49.89</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 14/Sep/2015

Position as on 6.30 Hrs of 15/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	Koyna STG-IV Unit-2	250	20/08/2015	09.00		Continued.	Realigning of T-G Rotor & Adjusting the Bearing Clearances.(40 Days)	
MSPGCL	Chandrapur Unit 4	210	29/08/2015	23.55		Continued.	Annual Overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refueling 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	
TPC-G	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
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-5	660	06/09/2015	13.03		Continued.	Bottom Ash Problem	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generator bearing	
MSPGCL	Uran Unit B0	120	12/09/2015	13.08		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	12/09/2015	13.08		Continued.	Gas shortage	
MSPGCL	Uran Unit 6	108	13/09/2015	14.02	14/09/2015	01.12	Lube Oil Leakage	
IPP	RPL(AMT) U-4	270	14/09/2015	02.37		Continued.	Turbine Shaft Vibration High	

**State Load Despatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 14/Sep/2015**

**Statement-VII**

Position as on 6.30 Hrs of 15/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
<b>400 KV LINE Outages/Trippings</b>							
Dhule Sar'Sarovar I	InterState	12/09/2015	22.18		Continued.	HT	Over Voltage
Kolhapur Mapusa I	InterState	13/09/2015	16.36	14/09/2015	07.52	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	14/09/2015	11.19	14/09/2015	11.41	T	Distance Protection
Kolhapur Mapusa II	InterState	14/09/2015	15.35		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		Continued.	HT	For Controlling Padgha-BBLR D/C Loading.
Karad-Jaigad - I	IntraState	12/09/2015	16.14	14/09/2015	08.56	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	12/09/2015	16.33		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	13/09/2015	16.07	14/09/2015	08.51	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	14/09/2015	00.23	14/09/2015	07.22	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	14/09/2015	05.29	14/09/2015	10.47	PO	OPG Maintenance work
Koradi-Bhusawal	IntraState	14/09/2015	08.53	14/09/2015	18.18	PO	R.M & Testing work along with D.G testing activity.
Nagothane - Dabhol I	IntraState	14/09/2015	12.55	14/09/2015	14.57	PO	CVT Maint. work
karad -kolhapur-I	IntraState	14/09/2015	15.10		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	14/09/2015	16.26		Continued.	HT	Over Voltage
Padghe - Kharghar	IntraState	14/09/2015	16.40	14/09/2015	18.24	PO	Attending Hot Spot
Lonikand I - Koyna stage-IV	IntraState	14/09/2015	23.42		Continued.	HT	Over Voltage
Chandrapur-Parali III	IntraState	15/09/2015	04.33	15/09/2015	06.28	T	Over Voltage
<b>400 KV ICT Outages/Trippings</b>							
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	14/09/2015	11.26	14/09/2015	20.22	PO	For REPL. of 33kv NDR PT.
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	14/09/2015	17.48	14/09/2015	18.14	HT	Due to sparking observed in isolator.
<b>220 KV LINE Outages/Trippings</b>							
Mudshingi - Chikodi	InterState	14/09/2015	09.40	14/09/2015	20.05	PO	Bus section II & III outage.
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 deenergising 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 deenergising 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
Khaparkheda-Kaulewada-I	IntraState	13/09/2015	01.38	14/09/2015	04.03	T	Distance Protection
Eklahare (Gcr) - Ghatghar	IntraState	13/09/2015	19.46	14/09/2015	14.42	T	Distance Protection
Bhugaon-Pusad	IntraState	13/09/2015	23.52	14/09/2015	10.32	T	Distance Protection
Lamboti-Vita	IntraState	13/09/2015	23.53	14/09/2015	00.05	T	Distance Protection
Main Bus-III @ Mudshingi	IntraState	14/09/2015	10.11	14/09/2015	17.30	PO	To attend Hot Spot
Ongc Panvel - Tss Panvel	IntraState	14/09/2015	10.28	14/09/2015	16.30	PO	Routine Maintenance Work
Talandage(400kv) - Five Star Midc	IntraState	14/09/2015	10.48	14/09/2015	19.02	PO	Quarterly Maintainance Work
Ghatghar - Bapgaon	IntraState	14/09/2015	13.00	14/09/2015	15.20	PO	To attending fault on 220kv Nashik-Ghatghar line.

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 14/Sep/2015**

**Statement-VII**

Position as on 6.30 Hrs of 15/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Uran - Hoc 1	IntraState	14/09/2015	13.38	14/09/2015	15.33	PO	C.B Problem attending work at 220kv HOCL S/st.
<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
220/132kv 200mva Emco lct @Kurkumbh	IntraState	14/09/2015	10.00	14/09/2015	15.15	PO	CT & Bushing Tan Delta testing work.
<b>132 KV LINE Outages/Trippings</b>							
Chakur- Jagruti	IntraState	14/09/2015	18.08	14/09/2015	18.17	T	Distance Protection
Talegaon- Pangari	IntraState	14/09/2015	18.55	14/09/2015	20.23	T	Distance Protection
<b>132 KV ICT Outages/Trippings</b>							
132/33KV 50MVA T/F @parly	IntraState	14/09/2015	16.55	14/09/2015	17.30	T	Feeder Fault

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