

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Sep/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	87.209	2817.243	1) Gujrat	4.678	106.224
2) Hydro	18.697	249.077	2) Madhya Pradesh	15.267	268.532
3) Gas	8.352	217.916	3) Chattisgarh	4.700	113.980
Total MSPGCL	114.258	3284.236	4) Maharashtra Net	102.899	2567.888
B) 1) APML	56.250	1355.720	5) Goa	-7.697	-200.334
2) JSWEL	27.358	772.880	6) TAPS 1&2 Injection	3.817	104.234
3) VIPL	12.091	308.265	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	23.400	543.204	8) Pench (MS)	1.002	18.440
5) WPCL	4.405	112.124	9) Pench (Excess)	-1.002	-18.440
6) Other IPP	2.457	60.210	Total	122.662	2942.084
C) 1) TPCL Thermal	17.238	456.333	a) Mumbai Schedule	23.127	607.764
2) TPCL Hydro	3.041	46.567	b) Mumbai Drawl	26.461	713.728
3) TPCL Gas	3.442	99.426	c) MSEDCL Bilateral *	32.815	703.132
4) R-INFRA Thermal	11.705	323.301	Include PX	2.673	-66.793
D) STATE			d) Mumbai Bilateral *	23.127	606.729
1) Thermal	242.113	6749.280	Include PX	2.014	36.100
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	21.738	295.644	H) ENERGY CATERED (MUs)		
3) Gas	11.794	317.342	1) MSEDCL	341.649	9032.384
4) Wind	3.913	338.410	2) Mumbai Discoms	61.887	1639.315
6) SOLAR	1.316	28.979	TOTAL STATE	403.536	10671.699
TOTAL STATE	280.874	7729.655			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3755	3717	3778	3443
MSPGCL Hydro	1221	1844	1302	120
MSPGCL Gas	310	310	306	401
MSPGCL Total Generation	5286	5871	5386	3964
Central Sector Receipt	5859	5949	5000	3749
WIND	131	51	134	245
CPP / IPP	5284	5289	5469	5069
SOLAR	168	111	0	0
Exchange with Mumbai	-1377	-1453	-1331	-548
MSEDCL DEMAND MET	15351	15818	14658	12479
Load Shedding	473	521	437	28
MSEDCL DEMAND	15824	16339	15095	12507
TPCL GENERATION	1222	1146	1135	846
R-INFRA GENERATION	514	517	516	396
MUMBAI DEMAND	3113	3116	2982	1790
STATE DEMAND MET	18464	18934	17640	14269
STATE DEMAND	18937	19455	18077	14297
Frequency (Hz)	49.96	49.93	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 07.03 Hrs	49.6 Hz at 18.25 Hrs	49.94	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 28/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	82.57	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.04	87.95	175	160
Total	4.04	170.52		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.09	113.30	175	165
Unit 4	0.00	262.57	0	0
Unit 5	11.80	203.46	500	420
Total	15.89	579.32		
Parli				
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
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	2.08	75.93	151	0
Unit 3	4.42	109.94	199	166
Unit 4	3.46	3.88	178	119
Unit 5	0.22	213.62	153	0
Unit 6	10.04	236.09	450	380
Unit 7	9.08	233.15	432	347
Total	29.29	872.61		
Paras				
Unit 3	0.00	128.88	0	0
Unit 4	5.25	134.97	239	206
Total	5.25	263.85		
Khaparkheda				
Unit 1	2.90	75.14	145	100
Unit 2	2.82	94.48	130	90
Unit 3	3.08	98.75	145	113
Unit 4	3.27	98.59	150	119
Unit 5	7.31	230.39	350	260
Total	19.37	597.35		
Nasik				
Unit 3	4.49	103.34	200	175
Unit 4	4.37	109.05	205	158
Unit 5	4.50	121.20	196	178
Total	13.36	333.59		
Uran				
All Units	8.35	217.92	408	288
Total	8.35	217.92		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	1.00	18.44	49	33
Total	1.00	18.44		
Koyna				
Stage 1-2	5.64	89.28	530	40
Stage 4	7.22	63.52	1008	0
Stage 3	2.91	37.65	240	0
Total	15.77	190.45		
Hydro				
KDPH	0.50	8.43	37	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.	0.08	4.62	77	0
RNGR+BHTSA	0.17	1.69	15	0
BHANDARDRA	0.56	8.53	38	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.43	8.15	25	15
GHATGHAR	1.18	26.79	250	0
Total	2.93	58.63		
Wind				
Total	3.91	338.41	0	0
Total	3.91	338.41		
CPP				
APML(Mus)	56.25	1355.72	0	0
JSWEL(Mus)	27.36	772.88	0	0
VIPL(Mus)	12.09	308.26	0	0
RPLAMT(Mus)	23.40	543.20	0	0
WPCL(Mus)	4.40	112.12	0	0
Other(Mus)	2.46	60.21	0	0
Total	125.96	3152.40		
SOLAR				
Total	1.32	28.98	0	0
Total	1.32	28.98		
Tata				
Trombay 5	11.35	296.82	485	422
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.06	67.20	115	69
Trombay 7B	1.38	32.22	67	52
Trombay 8	5.89	159.51	249	239
TATA Hydro	3.04	46.57	331	0
Total	23.72	602.33		
R-INFRA				
1-2	11.70	323.30	518	394
Total	11.70	323.30		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	87.21	2817.24
MSPGCL Thml+Gas	95.56	3035.16

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	18.70	249.08
MSPGCL Total	114.26	3284.24

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	12.86	152.80
State Total	280.87	7729.66

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Sep/2015

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3397	199	399	3995	189	4873	0	4356	4621	-924	12754	34	12788	2105	14893	49.96
2	3384	171	400	3955	215	4848	0	4067	4516	-766	12768	28	12796	1954	14750	49.95
3	3419	107	401	3927	229	4983	0	3874	3929	-622	12446	28	12474	1851	14325	49.99
4	3443	120	401	3964	245	5069	0	3871	3749	-548	12479	28	12507	1790	14297	50.00
5	3450	98	403	3951	257	5084	0	3871	3892	-529	12655	28	12683	1771	14454	49.99
6	3454	198	407	4059	219	4928	0	4354	4395	-579	13022	44	13066	1867	14933	49.92
7	3444	384	407	4235	163	5186	0	4968	5196	-609	14171	64	14235	1979	16214	49.92
8	3505	498	408	4411	112	5216	31	5489	5804	-756	14818	87	14905	2126	17031	50.03
9	3620	673	400	4693	87	5238	86	5712	6087	-1062	15129	87	15216	2445	17661	49.95
10	3613	1192	392	5197	95	5318	125	5710	6044	-1327	15452	86	15538	2792	18330	49.95
11	3685	1523	310	5518	172	5291	157	5750	5413	-1366	15185	132	15317	3043	18360	49.98
12	3755	1221	310	5286	131	5284	168	5817	5859	-1377	15351	473	15824	3113	18937	49.96
13	3736	1025	310	5071	102	5186	190	5802	5977	-1486	15040	554	15594	3094	18688	49.92
14	3705	1269	310	5284	61	5356	195	5520	5763	-1423	15236	542	15778	3033	18811	49.89
15	3677	1565	310	5552	53	5365	147	5581	5778	-1454	15441	427	15868	3096	18964	49.88
16	3717	1844	310	5871	51	5289	111	5563	5949	-1453	15818	521	16339	3116	19455	49.93
17	3741	1323	308	5372	54	5351	73	5463	5394	-1525	14719	536	15255	3111	18366	49.92
18	3754	854	306	4914	117	5332	31	5106	5040	-1466	13968	256	14224	3036	17260	49.90
19	3743	619	307	4669	134	5454	2	5131	5222	-1243	14238	149	14387	2955	17342	49.79
20	3778	1302	306	5386	134	5469	0	5094	5000	-1331	14658	437	15095	2982	18077	49.94
21	3743	1060	305	5108	183	5475	0	5076	4896	-1232	14430	255	14685	2824	17509	49.93
22	3735	734	296	4765	291	5429	0	5000	4844	-1127	14202	150	14352	2687	17039	49.97
23	3820	324	358	4502	293	5512	0	4888	4768	-1170	13905	83	13988	2603	16591	49.91
24	3891	394	288	4573	326	5425	0	4738	4526	-1086	13764	75	13839	2514	16353	49.95
MUs	87.21	18.70	8.35	114.26	3.91	125.96	1.32	120.80	122.66	-26.46	341.65	5.10	346.75	61.89	408.64	49.94

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 28/Sep/2015

Position as on 6.30 Hrs of 29/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
FORCED OUTAGE								
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	Chandrapur Unit 2	210	24/09/2015	17.41	28/09/2015	04.45	Boiler ring header leakage.	
MSPGCL	Chandrapur Unit 5	500	25/09/2015	21.43	28/09/2015	20.35	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	25/09/2015	21.57		Continued.	ID Fan vibration high	
MSPGCL	Bhusawal Unit 4	500	26/09/2015	21.22		Continued.	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	27/09/2015	00.48		Continued.	Furnace Pressure High	
MSPGCL	Chandrapur Unit-8	500	28/09/2015	12.06	28/09/2015	16.01	Main Steam Temp Low	
MSPGCL	Chandrapur Unit-8	500	28/09/2015	16.32		Continued.	Drum level low	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Sep/2015

Position as on 6.30 Hrs of 29/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	28/09/2015	20.36	28/09/2015	22.05	Drum level low	
MSPGCL	Uran Unit B0	120	28/09/2015	23.06		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	28/09/2015	23.11		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 29/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dabhol Nagothane II	InterState	22/09/2015	11.16	28/09/2015	11.08	PO	Maintenance & testing work at Dabhol end.
Dhule Sar'Sarovar I	InterState	27/09/2015	04.10	28/09/2015	06.52	HT	Over Voltage
Kolhapur Mapusa I	InterState	27/09/2015	16.18	28/09/2015	06.30	HT	Over Voltage
Kolhapur Mapusa II	InterState	28/09/2015	17.13	29/09/2015	06.40	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/09/2015	17.19	29/09/2015	06.29	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	25/09/2015	18.20		Continued.	HT	Attending Hot Spot
N.Koyna-Karad -Ckt I	IntraState	27/09/2015	05.58	28/09/2015	09.07	T	Distance protection(RFC 17.12Hrs)
karad -kolhapur-II	IntraState	27/09/2015	16.21	28/09/2015	06.37	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	27/09/2015	16.43	28/09/2015	06.41	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/09/2015	17.04	28/09/2015	06.56	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/09/2015	17.23	28/09/2015	06.53	HT	Over Voltage
N.Koyna-Karad -Ckt II	IntraState	28/09/2015	11.52	28/09/2015	18.29	EO	To attend Hot Spot
karad -kolhapur-I	IntraState	28/09/2015	16.41	29/09/2015	06.26	HT	Over Voltage
Karad - Jaigad - II	IntraState	28/09/2015	17.04	29/09/2015	06.31	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/09/2015	20.21	29/09/2015	06.25	HT	Over Voltage
220 KV LINE Outages/Trippings							
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
Pedambe-Nerle	IntraState	28/09/2015	13.20	28/09/2015	13.50	T	Distance Protection
Pedambe-Nerle	IntraState	28/09/2015	14.41	28/09/2015	21.25	T	Distance Protection
Karad-Nerle	IntraState	28/09/2015	14.58	28/09/2015	15.38	T	Backup Protection
Pohali-Nerle	IntraState	28/09/2015	15.00	28/09/2015	15.20	T	Distance Protection
Talandage - Sawantwadi I	IntraState	28/09/2015	19.05	28/09/2015	19.19	T	Distance Protection
220 KV ICT Outages/Trippings							
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 Panel

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