

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Jun/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	105.501	3022.116	1) Gujrat	5.537	65.454
2) Hydro	3.845	223.823	2) Madhya Pradesh	12.002	336.358
3) Gas	5.116	149.428	3) Chattisgarh	5.990	119.110
Total MSPGCL	114.462	3395.367	4) Maharashtra Net	70.487	2268.313
B) 1) APML	52.540	1384.440	5) Goa	-6.619	-176.100
2) JSWEL	18.097	424.781	6) TAPS 1&2 Injection	2.113	65.149
3) VIPL	9.189	269.696	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.090	150.740	8) Pench (MS)	0.144	2.530
5) WPCL	2.735	138.470	9) Pench (Excess)	-0.144	-1.909
6) Other IPP	4.025	125.841	Total	89.366	2676.375
C) 1) TPCL Thermal	8.816	386.903	a) Mumbai Schedule	21.123	652.085
2) TPCL Hydro	7.214	100.717	b) Mumbai Drawl	27.667	769.414
3) TPCL Gas	2.874	72.953	c) MSEDCL Bilateral *	15.428	682.370
4) R-INFRA Thermal	11.160	273.313	Include PX	-6.411	-64.704
D) STATE			d) Mumbai Bilateral *	21.123	648.635
1) Thermal	217.153	6176.300	Include PX	2.142	41.191
(A1+C1+C4+(B1-B6))			Include Standby	0.000	3.450
2) Hydro	11.059	324.540	H) ENERGY CATERED (MUs)		
3) Gas	7.990	222.381	1) MSEDCL	317.481	8487.239
4) Wind	48.467	663.137	2) Mumbai Discoms	57.732	1603.272
6) SOLAR	1.177	25.832	TOTAL STATE	375.213	10090.511
TOTAL STATE	285.846	7412.190			

* 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 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4356	4563	4526	4259
MSPGCL Hydro	169	287	409	49
MSPGCL Gas	226	143	204	264
MSPGCL Total Generation	4751	4993	5139	4572
Central Sector Receipt	4256	4260	4189	2624
WIND	2113	2148	1935	1847
CPP / IPP	3745	3837	4130	3433
SOLAR	138	100	0	0
Exchange with Mumbai	-1299	-1432	-1263	-806
MSEDCL DEMAND MET	13704	13906	14130	11670
Load Shedding	37	30	30	35
MSEDCL DEMAND	13741	13936	14160	11705
TPCL GENERATION	1050	821	818	662
R-INFRA GENERATION	477	515	515	400
MUMBAI DEMAND	2826	2768	2596	1868
STATE DEMAND MET	16530	16674	16726	13538
STATE DEMAND	16567	16704	16756	13573
Frequency (Hz)	50.01	49.98	49.98	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 13.01 Hrs	49.79 Hz at 15.14 Hrs	49.99	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 27/Jun/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.50	77.29	150	140
Unit 6	0.00	0.00	0	0
Unit 7	3.87	65.68	180	130
Total	7.38	142.98		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.00	61.06	175	160
Unit 4	9.02	252.88	390	355
Unit 5	8.82	225.73	390	355
Total	21.85	539.68		
Parli				
Unit 3	0.00	46.98	0	0
Unit 4	0.00	0.00	0	0
Unit 5	3.52	95.87	155	140
Unit 6	0.00	115.43	0	0
Unit 7	4.62	126.63	220	155
Total	8.14	384.92		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	2.85	84.51	140	97
Unit 3	3.89	96.20	182	139
Unit 4	3.62	105.07	165	114
Unit 5	8.74	224.71	370	349
Unit 6	0.00	84.60	0	0
Unit 7	7.96	188.72	355	300
Total	27.07	783.81		
Paras				
Unit 3	4.67	131.68	208	180
Unit 4	4.57	132.84	200	181
Total	9.25	264.53		
Khaparkheda				
Unit 1	1.76	72.05	160	0
Unit 2	3.33	93.15	175	115
Unit 3	4.10	107.47	179	156
Unit 4	0.00	72.34	0	0
Unit 5	9.66	226.77	500	360
Total	18.85	571.78		
Nasik				
Unit 3	4.24	121.58	195	150
Unit 4	4.40	92.02	188	177
Unit 5	4.32	120.83	185	171
Total	12.96	334.43		
Uran				
All Units	5.12	149.43	268	134
Total	5.12	149.43		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.14	2.53	49	0
Total	0.14	2.53		
Koyna				
Stage 1-2	2.10	79.51	365	40
Stage 4	0.00	45.52	0	0
Stage 3	1.12	35.63	160	0
Total	3.22	160.67		
Hydro				
KDPH	0.00	5.97	0	0
VTRNA	0.00	9.50	0	0
TILLARI	0.00	4.61	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.45	6.71	47	0
RNGR+BHTSA	0.02	4.03	1	1
BHANDARDRA	0.02	2.86	17	0
ELDARY	0.00	1.04	0	0
SMLHY_PTN	0.13	5.45	13	3
GHATGHAR	0.00	22.97	0	0
Total	0.62	63.15		
Wind				
Total	48.47	663.14	0	0
Total	48.47	663.14		
CPP				
APML(Mus)	52.54	1384.44	0	0
JSWEL(Mus)	18.10	424.78	0	0
VIPL(Mus)	9.19	269.70	0	0
RPLAMT(Mus)	5.09	150.74	0	0
WPCL(Mus)	2.74	138.47	0	0
Other(Mus)	4.02	125.84	0	0
Total	91.68	2493.97		
SOLAR				
Total	1.18	25.83	0	0
Total	1.18	25.83		
Tata				
Trombay 5	3.42	234.74	317	0
Trombay 6	0.00	13.80	0	0
Trombay 7A	1.65	41.24	115	59
Trombay 7B	1.23	31.72	67	48
Trombay 8	5.39	138.36	247	198
TATA Hydro	7.21	100.72	471	30
Total	18.90	560.57		
R-INFRA				
1-2	11.16	273.31	517	394
Total	11.16	273.31		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	105.50	3022.12
MSPGCL Thml+Gas	110.62	3171.54

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	3.84	223.82
MSPGCL Total	114.46	3395.37

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.10	125.04
State Total	285.85	7412.19

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jun/2015

Annexure-2

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	4351	66	263	4680	1791	3581	0	3155	3032	-1020	12064	48	12112	2169	14281	49.99
2	4276	49	263	4588	1783	3423	0	2915	3220	-903	12111	35	12146	1977	14123	50.01
3	4259	49	264	4572	1847	3433	0	2789	2624	-806	11670	35	11705	1868	13573	49.95
4	4245	44	264	4553	1932	3421	0	2702	2774	-763	11917	35	11952	1814	13766	49.99
5	4236	59	262	4557	1907	3485	0	2702	2962	-766	12145	35	12180	1814	13994	50.02
6	4235	84	261	4580	2133	3539	0	2755	3190	-731	12711	36	12747	1872	14619	49.99
7	4250	164	143	4557	2056	3658	8	3321	4033	-723	13589	36	13625	1927	15552	49.97
8	4317	59	154	4530	2052	3977	34	3805	4329	-908	14014	36	14050	2053	16103	50.03
9	4318	51	134	4503	2320	3937	73	3767	4119	-1149	13803	39	13842	2295	16137	50.01
10	4281	91	212	4584	2280	3904	106	3353	4012	-1280	13606	39	13645	2625	16270	49.99
11	4356	169	226	4751	2113	3745	138	3597	4256	-1299	13704	37	13741	2826	16567	50.01
12	4347	463	242	5052	2182	3753	152	3871	3920	-1457	13602	35	13637	2876	16513	49.97
13	4401	214	214	4829	2034	3780	148	3971	4070	-1472	13389	35	13424	2873	16297	50.01
14	4458	169	214	4841	2206	3783	152	3758	3831	-1400	13413	30	13443	2790	16233	49.98
15	4487	176	214	4877	2038	3829	142	3936	4440	-1456	13870	30	13900	2799	16699	49.94
16	4563	287	143	4993	2148	3837	100	4078	4260	-1432	13906	30	13936	2768	16704	49.98
17	4528	284	143	4955	1941	3964	71	3955	4136	-1375	13692	30	13722	2709	16431	50.01
18	4468	186	142	4796	1865	3582	39	3480	3702	-1343	12641	30	12671	2648	15319	49.99
19	4456	179	154	4789	1962	4019	14	3269	2980	-1287	12477	30	12507	2562	15069	49.99
20	4488	278	199	4965	1921	4066	0	3745	4004	-1257	13699	30	13729	2572	16301	49.92
21	4526	409	204	5139	1935	4130	0	3826	4189	-1263	14130	30	14160	2596	16756	49.98
22	4539	204	265	5008	2031	4407	0	3711	3709	-1201	13954	30	13984	2517	16501	49.99
23	4568	62	268	4898	1943	4118	0	3603	4028	-1237	13750	30	13780	2429	16209	49.97
24	4548	49	268	4865	2047	4305	0	3380	3546	-1139	13624	30	13654	2352	16006	49.96
MUs	105.50	3.84	5.12	114.46	48.47	91.68	1.18	83.44	89.37	-27.67	317.48	0.81	318.29	57.73	376.02	49.99

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 27/Jun/2015

Position as on 6.30 Hrs of 28/Jun/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 1	160	12/10/2014	22:39		Continued.	Refuelling work	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high. Continued to AOH w.e.f.01.05.2015	
IPP	Adani U-1	660	01/06/2015	01.48		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 6	500	09/06/2015	23.58		Continued.	COH	
MSPGCL	Khaparkheda Unit 4	210	19/06/2015	23.57		Continued.	Annual Overhaul	
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	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
IPP	RPL(AMT) U-3	270	05/04/2015	22.01	27/06/2015	10.29	Governor AVR Problem.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
IPP	RPL(AMT) U-2	270	01/06/2015	06.53		Continued.	Coal bunkering problem	
TPC-G	Trombay 6	500	05/06/2015	05.59		Continued.	Economic Shutdown.	
MSPGCL	Koyana STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Coal Shortage	
MSPGCL	Khaparkheda Unit 1	210	23/06/2015	01.23	27/06/2015	10.31	Boiler Validity Renevoation	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Furnace Pressure High	
MSPGCL	Koyana Unit 2	75	25/06/2015	20.55		Continued.	LGB Cooler Leakage	
IPP	RPL(AMT) U-4	270	26/06/2015	11.53		Continued.	Turbine bearing Vabration high	
MSPGCL	Uran Unit 8	108	27/06/2015	06.16	27/06/2015	07.49	boiler drain line leakage	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 27/Jun/2015

Position as on 6.30 Hrs of 28/Jun/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit B0	120	27/06/2015	06.16	27/06/2015	10.28	boiler drain line leakage	
TPC-G	Trombay 5	500	27/06/2015	11.11		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	27/06/2015	15.08	27/06/2015	21.11	boiler protection operated	
MSPGCL	Uran Unit 8	108	27/06/2015	15.08	27/06/2015	17.44	boiler protection operated	
IPP	RPL(AMT) U-3	270	28/06/2015	05.39	28/06/2015	09.16	Auxiliary supply failure	
IPP	RPL(AMT) U-3	270	28/06/2015	13.51	28/06/2015	21.09	Low furnace pressure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2015

Statement-VII

Position as on 6.30 Hrs of 28/Jun/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	17/06/2015	12.52		Continued.	T	Convertor transformer diff prot optd.
400 KV LINE Outages/Trippings							
Wardha (PG)-Warora II	InterState	20/05/2015	02.39		Continued.	T	Breaker Accumulator Oil Leakage
Kolhapur Mapusa I	InterState	26/06/2015	17.08	27/06/2015	07.37	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	26/06/2015	17.16		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/06/2015	00.38	27/06/2015	08.27	HT	Over Voltage
Kolhapur Mapusa II	InterState	27/06/2015	17.44	28/06/2015	07.22	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	28/06/2015	01.15	28/06/2015	06.29	HT	Over Voltage
Kolhapur Mapusa I	InterState	28/06/2015	16.50		Continued.	HT	Over Voltage
Akola II - Taptitanda	IntraState	20/05/2015	08.59		Continued.	HT	Ckt I and Ckt 2 new charged to control BBL SR ICT loading.
New Koyna - Dabhol-I	IntraState	08/06/2015	10.05		Continued.	PO	Outage (RFC 16.07Hrs)
Karad-Jaigad - I	IntraState	20/06/2015	17.10	28/06/2015	09.27	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	23/06/2015	16.53		Continued.	PO	E/W restringing work.
Bhusawal-Aurangabad	IntraState	23/06/2015	17.40		Continued.	HT	Over Voltage
Khadka- Deepnagar Ckt 1	IntraState	26/06/2015	08.19	27/06/2015	06.18	PO	Tightening of Nut Bolt and Jumpering work
Lonikand I - Koyna stage-IV	IntraState	26/06/2015	23.24	27/06/2015	06.39	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	27/06/2015	15.05	27/06/2015	19.27	T	Distance Protection
karad -kolhapur-II	IntraState	27/06/2015	17.48	28/06/2015	09.24	HT	Over Voltage
Padghe - Kharghar	IntraState	28/06/2015	08.58	28/06/2015	16.06	T	Insulator Replacement Work
karad -kolhapur-II	IntraState	28/06/2015	16.35		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	28/06/2015	16.43		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/06/2015	18.18		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT I @Babhleshwar	IntraState	15/06/2015	09.10		Continued.	PO	LV Side Taken on TBC Bay Work.
400/220/33 Kv 315 Mva ICT II @Chandrapur	IntraState	21/06/2015	20.45		Continued.	T	Differential protection
400/220/33 Kv 315 Mva Ict 1 @Waluj	IntraState	26/06/2015	19.43		Continued.	T	Tripped due to Fire at LV side
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	27/06/2015	19.33	28/06/2015	16.48	T	Distance Protection
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.
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	26/06/2015	20.29		Continued.	T	Breaker trouble indication
Borivali - Ghodbunder	IntraState	27/06/2015	09.42	27/06/2015	17.17	PO	Testing Work
Ranjangaon-Lonikand	IntraState	27/06/2015	12.37	27/06/2015	18.15	PO	Testing Work
Kandalgaon - Koyna	IntraState	27/06/2015	20.25		Continued.	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
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	28/06/2015	20.33		Continued.	PO	Attending Oil Leakage

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