

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/May/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.865	3599.315	1) Gujrat	0.405	-87.476
2) Hydro	11.128	278.235	2) Madhya Pradesh	15.152	361.295
3) Gas	7.938	273.427	3) Chattisgarh	9.210	190.840
Total MSPGCL	141.931	4150.977	4) Maharashtra Net	111.322	2808.337
B) 1) APML	13.119	785.296	5) Goa (Amona)	-1.014	-21.274
2) JSWEL	27.232	757.796	6) TAPS 1&2 Injection	3.616	65.737
3) VIPL	13.905	346.356	7) RGPPL Injection	11.627	324.708
4) RPL(AMT)	6.258	406.606	8) Pench (MS)	0.136	1.091
5) WPCL	2.626	79.524	9) Pench (Excess)	-0.136	-1.091
6) Other IPP	5.257	145.805	Total	150.182	3641.076
C) 1) TPCL Thermal	17.404	444.258	a) Mumbai Schedule	28.184	706.016
2) TPCL Hydro	2.248	79.519	b) Mumbai Drawl	31.620	878.674
3) TPCL Gas	3.084	110.029	c) MSEDCL Bilateral *	38.398	955.415
4) R-INFRA Thermal	12.245	314.024	Include PX	0.000	-5.255
D) STATE			d) Mumbai Bilateral *	28.184	706.016
1) Thermal	220.911	6878.980	Include PX	3.128	80.542
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	13.376	357.754	H) ENERGY CATERED (MUs)		
3) Gas	11.022	383.456	1) MSEDCL	360.928	10097.467
4) Wind	30.706	625.413	2) Mumbai Discoms	66.601	1826.474
6) SOLAR	1.332	37.292	TOTAL STATE	427.529	11923.941
TOTAL STATE	277.347	8282.895			

* 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 21 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4918	4980	5586	4945
MSPGCL Hydro	955	849	203	86
MSPGCL Gas	400	258	293	270
MSPGCL Total Generation	6273	6087	6082	5301
Central Sector Receipt	6713	6904	5788	5829
WIND	923	1142	1692	1228
CPP / IPP	2896	2863	2834	2898
SOLAR	161	113	0	0
Exchange with Mumbai	-1432	-1513	-1346	-951
MSEDCL DEMAND MET	15534	15596	15050	14306
Load Shedding	0	0	0	0
MSEDCL DEMAND	15534	15596	15050	14306
TPCL GENERATION	1161	1129	1027	857
R-INFRA GENERATION	500	498	512	514
MUMBAI DEMAND	3093	3140	2885	2322
STATE DEMAND MET	18627	18736	17935	16628
STATE DEMAND	18627	18736	17935	16628
Frequency (Hz)	49.91	49.95	50.02	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 22.00 Hrs	49.78 Hz at 13.40 Hrs	49.96	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/May/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	22.34	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.67	54.57	165	135
Unit 8	12.00	274.47	560	425
Total	15.67	351.38		
Bhusawal				
Unit 2	3.28	58.90	145	130
Unit 3	3.96	110.24	170	160
Unit 4	11.66	286.13	500	395
Unit 5	11.82	283.67	500	420
Total	30.72	738.94		
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	0.00	0.00	0	0
Unit 3	4.43	121.44	200	172
Unit 4	4.41	120.11	189	175
Unit 5	10.74	228.19	460	380
Unit 6	0.00	262.18	0	0
Unit 7	10.57	221.82	452	400
Total	30.15	953.73		
Paras				
Unit 3	0.77	124.41	223	0
Unit 4	5.97	156.76	260	220
Total	6.73	281.17		
Khaparkheda				
Unit 1	3.77	98.48	170	135
Unit 2	3.94	105.26	170	150
Unit 3	4.50	114.22	192	170
Unit 4	4.46	102.35	190	180
Unit 5	3.49	274.72	500	0
Total	20.14	695.04		
Nasik				
Unit 3	4.35	117.79	195	165
Unit 4	4.37	110.46	196	159
Unit 5	0.28	111.08	125	0
Total	8.99	339.32		
Uran				
All Units	7.94	273.43	426	247
Total	7.94	273.43		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.14	1.09	33	0
Total	0.14	1.09		
Koyna				
Stage 1-2	4.34	91.80	455	40
Stage 4	2.76	79.97	488	0
Stage 3	1.60	39.42	160	0
Total	8.69	211.20		
Hydro				
KDPH	0.45	13.93	19	18
VTRNA	0.00	0.29	0	0
TILLARI	0.36	9.57	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.29	4.59	80	0
RNGR+BHTSA	0.24	4.82	10	9
BHANDARDRA	0.00	3.17	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.04	4.49	2	1
GHATGHAR	1.05	26.19	250	0
Total	2.44	67.04		
Wind				
Total	30.71	625.41	0	0
Total	30.71	625.41		
CPP				
APML(Mus)	13.12	785.30	0	0
JSWEL(Mus)	27.23	757.80	0	0
VIPL(Mus)	13.90	346.36	0	0
RPLAMT(Mus)	6.26	406.61	0	0
WPCL(Mus)	2.63	79.52	0	0
Other(Mus)	5.26	145.80	0	0
Total	68.40	2521.38		
SOLAR				
Total	1.33	37.29	0	0
Total	1.33	37.29		
Tata				
Trombay 5	11.54	283.64	486	441
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.81	70.17	84	74
Trombay 7B	1.27	39.86	56	52
Trombay 8	5.87	160.61	247	243
TATA Hydro	2.25	79.52	294	0
Total	22.74	633.81		
R-INFRA				
1-2	12.24	314.02	515	497
Total	12.24	314.02		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 8	0.00	2.09	MSPGCL Thermal	122.86	3599.32	MSPGCL Total	141.93	4150.98
Chandrapur 9	0.00	1.92	MSPGCL Thml+Gas	130.80	3872.74	Koyna 1,2 & 4 Total	7.09	171.78
Koradi 9	10.45	235.73	MSPGCL Hydro	11.13	278.24	State Total	277.35	8282.90
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 28/May/2016

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	5246	239	416	5901	1732	2724	0	5635	6620	-1539	15438	0	15438	2918	18356	49.97
2	5069	109	426	5604	1626	2893	0	5531	6201	-1330	14994	0	14994	2700	17694	49.98
3	5015	95	415	5525	1550	2961	0	5396	5919	-1214	14741	0	14741	2541	17282	49.97
4	4981	70	301	5352	1414	2928	0	5336	5691	-1042	14342	0	14342	2403	16746	49.95
5	4945	86	270	5301	1228	2898	0	5292	5829	-951	14306	0	14306	2322	16628	49.88
6	4970	291	281	5542	976	2861	0	5308	6222	-954	14647	0	14647	2323	16970	49.91
7	4950	612	270	5832	755	2862	5	5356	6454	-866	15042	0	15042	2238	17280	49.95
8	4946	714	282	5942	580	2874	43	5444	6775	-895	15319	0	15319	2264	17583	49.97
9	4911	811	293	6015	743	2881	71	5979	6362	-1021	15051	0	15051	2386	17437	49.97
10	4913	527	291	5731	1030	2876	119	6270	6959	-1338	15377	0	15377	2751	18128	49.97
11	4908	711	334	5953	806	2895	173	6194	6888	-1431	15284	0	15284	2992	18276	49.91
12	4918	955	400	6273	923	2896	161	6183	6713	-1432	15534	0	15534	3093	18627	49.91
13	4895	1096	405	6396	784	2861	196	6098	6643	-1517	15363	0	15363	3136	18499	49.90
14	4960	966	409	6335	993	2863	172	6058	6552	-1486	15429	0	15429	3071	18500	49.88
15	4991	690	333	6014	1186	2871	165	6479	6818	-1519	15535	0	15535	3139	18674	49.88
16	4980	849	258	6087	1142	2863	113	6689	6904	-1513	15596	0	15596	3140	18736	49.95
17	5068	993	271	6332	1401	2851	78	6216	6162	-1491	15333	0	15333	3097	18430	50.02
18	4912	548	260	5720	1768	2764	33	6105	5759	-1566	14478	0	14478	2995	17473	50.04
19	4960	159	274	5393	1955	2668	3	5750	5514	-1476	14057	0	14057	2861	16918	50.04
20	5442	176	247	5865	1719	2765	0	5869	6021	-1355	15015	0	15015	2890	17905	49.97
21	5586	203	293	6082	1692	2834	0	6020	5788	-1346	15050	0	15050	2885	17935	50.02
22	5657	71	369	6097	1558	2832	0	5823	5828	-1448	14867	0	14867	2844	17711	50.05
23	5778	81	421	6280	1605	2834	0	5998	5635	-1445	14909	0	14909	2805	17714	49.99
24	5864	76	419	6359	1540	2842	0	6023	5925	-1445	15221	0	15221	2807	18028	50.06
MUs	122.86	11.13	7.94	141.93	30.71	68.40	1.33	141.05	150.18	-31.62	360.93	0.00	360.93	66.60	427.53	49.96

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/May/2016

Position as on 6.30 Hrs of 29/May/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
CENT.SECTOR	TARAPUR-3	540	23/05/2016	20.30		Continued.	Annual Maintenance Work.	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
RGPL	Dabhol 3B	230	07/01/2016	17:51		Continued.	Change Over.	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No Schedule	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koyna Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
CPP	WPCL U-4	135	03/05/2016	00.00		Continued.	ESP Back Filter DP High	
IPP	Adani U-5	660	05/05/2016	23.09		Continued.	Due to Unavailblity of Water.	
RGPL	Dabhol 3X	290	07/05/2016	18.40		Continued.	Low Vaccum	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
IPP	Adani U-1	660	13/05/2016	22.53		Continued.	Water Shortage	
IPP	RPL(AMT) U-4	270	21/05/2016	16.15		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	21/05/2016	18.10		Continued.	Zero Schedule	
IPP	RPL(AMT) U-1	270	24/05/2016	00.00		Continued.	Zero Schedule From MSEDCL	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule From MSEDCL	
MSPGCL	Koradi Unit 5	200	24/05/2016	00.05		Continued.	Zero Schedule From MSEDCL	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
IPP	Adani U-2	660	25/05/2016	21.22		Continued.	Water Shortage.	
MSPGCL	Paras Unit 3	250	26/05/2016	17.12	28/05/2016	19.34	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/May/2016

Position as on 6.30 Hrs of 29/May/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	26/05/2016	22.00		Continued.	Clinker Formation.	
MSPGCL	Nasik Unit 5	210	27/05/2016	11.30	28/05/2016	20.45	Hydrogen Gas Leakage	
MSPGCL	Khaparkheda Unit 5	500	28/05/2016	00.36	28/05/2016	12.38	Exciator Field failure	
MSPGCL	Uran Unit 5	108	28/05/2016	03.05	28/05/2016	08.16	Damper Discrepancy	
MSPGCL	Khaparkheda Unit 5	500	28/05/2016	12.56	28/05/2016	15.53	Turbine Problem.	
MSPGCL	Uran Unit 6	108	28/05/2016	14.28	28/05/2016	19.53	Low Lube Oil Pressure.	
MSPGCL	Chandrapur Unit-8	500	29/05/2016	11.28	29/05/2016	14.10	Drum level high	
MSPGCL	Chandrapur Unit-8	500	29/05/2016	22.13		Continued.	Drum level low	
MSPGCL	Uran Unit B0	120	29/05/2016	23.17		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	29/05/2016	23.19		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/May/2016

Statement-VII

Position as on 6.30 Hrs of 29/May/2016

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	28/05/2016	03.52	28/05/2016	05.39	T	Distance Protection
Chandrapur - Padghe Hvdc Pole 2	IntraState	28/05/2016	06.01	28/05/2016	22.17	T	Distance Protection
Chandrapur - Padghe Hvdc Pole 2	IntraState	29/05/2016	07.33	29/05/2016	20.04	EO	Faulty String Replacement Work
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	27/05/2016	10.18	28/05/2016	08.15	PO	Annual Maintenance Work
Dhule Sar'Sarovar I	InterState	27/05/2016	18.05	29/05/2016	10.49	HT	Over Voltage
Dhule Khandwa II	InterState	28/05/2016	08.47	28/05/2016	11.46	T	Bus Bar Operated At Dhule Due To Malfunction.
Ektuni-Bableshtar ckt II	IntraState	19/05/2016	09.44		Continued.	HT	To Control BBLR Padghe Loading.
karad -kolhapur-I	IntraState	27/05/2016	16.09	28/05/2016	08.39	HT	Over Voltage
Karad - Jaigad - II	IntraState	27/05/2016	17.02	28/05/2016	08.50	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/05/2016	20.23	28/05/2016	09.13	HT	Over Voltage
Akola-Nandgaonpeth (RPL)	IntraState	28/05/2016	08.15	28/05/2016	19.49	PO	Fixing Of Spacers Cum Vibration Dampers.
Dhule- Bableshtar - I	IntraState	28/05/2016	08.47	28/05/2016	11.26	T	Bus Bar Operated At Dhule Due To Malfunction.
Taptitanda-Ektuni ckt 2	IntraState	28/05/2016	10.30		Continued.	PO	Dismantling of Tower.
Warora-Tirora-I	IntraState	28/05/2016	10.31	28/05/2016	21.09	PO	Maintenance Work.
karad -kolhapur-II	IntraState	28/05/2016	16.33	29/05/2016	09.55	HT	Over Voltage
Karad-Jaigad - I	IntraState	28/05/2016	16.37		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	28/05/2016	22.17		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	29/05/2016	16.08		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- I @Warora	IntraState	06/05/2016	14.37		Continued.	PO	To Dismantle & Transport To Babhaleshtar.
400/220 KV 500 MVA ICT- II @Warora	IntraState	13/05/2016	14.39		Continued.	PO	For Dismantling Of ICT-I
400/220/33 Kv 500 Mva Ict 3 @Dhule	IntraState	28/05/2016	08.47	28/05/2016	11.10	T	Bus Bar Operated At Dhule Due To Malfunction.
400/220 kv 167 MVA Spare ICT @Deepnagar	IntraState	28/05/2016	09.25	28/05/2016	13.18	PO	Maintenance Work.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	16/05/2016	18.32		Continued.	HT	O/L of Interconnector betn. Nsk OCR & GCR
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Bableshtar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableshtar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Chalisgaon -Babhaleshtar	IntraState	28/05/2016	06.54	28/05/2016	13.22	PO	Rusted U Clamp Replacement.
Boisar Versova Line	IntraState	28/05/2016	07.44	28/05/2016	09.02	PO	Replacement Of Vibration Dampers.
Pedhambe - Oni	IntraState	28/05/2016	08.31	28/05/2016	08.53	T	Distance Protection
Karad(400kv) - Ogalewadi Ckt 2	IntraState	28/05/2016	10.00	28/05/2016	14.00	PO	Line Maintenance work
Kalwa - Colourschem	IntraState	29/05/2016	06.59	29/05/2016	11.15	PO	Attending Hot Spot

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 28/May/2016

Statement-VII

Position as on 6.30 Hrs of 29/May/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Dahanu Versova	IntraState	29/05/2016	07.18	29/05/2016	12.33	PO	Installation of clamp
Kalwa - Airoli Knowledge Park	IntraState	29/05/2016	07.36	29/05/2016	11.32	PO	for Safty purpose
Kalwa - Mulund 2	IntraState	29/05/2016	08.32	29/05/2016	17.08	PO	Annual Maintenance Work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 KV 200MVA ICT II @ Pal	IntraState	28/05/2016	10.05	28/05/2016	17.45	EO	Attending Oil Leakage
220/132 Kv 200 Mva Cgl Ict 1 @Raymond (Nasik 2)	IntraState	28/05/2016	10.26	28/05/2016	11.56	PO	Maintenance Work.
132 KV LINE Outages/Trippings							
Spsl - Sanaswadi	IntraState	28/05/2016	08.18	28/05/2016	19.42	PO	Half yearly maintenance work
Theur-Sanaswadi	IntraState	28/05/2016	16.49	28/05/2016	16.55	T	Distance Protection
Phursungi(220 Kv)-Kamthadi(Nigade)	IntraState	28/05/2016	17.08	28/05/2016	17.24	T	Backup Protection

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