

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Aug/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	93.127	2899.516	1) Gujrat	4.938	271.193
2) Hydro	6.417	221.411	2) Madhya Pradesh	14.059	374.843
3) Gas	6.313	195.862	3) Chattisgarh	4.930	148.760
Total MSPGCL	105.857	3316.789	4) Maharashtra Net	95.906	2704.690
B) 1) APML	49.000	1505.719	5) Goa	-6.457	-191.060
2) JSWEL	28.145	821.538	6) TAPS 1&2 Injection	2.455	80.224
3) VIPL	10.809	267.516	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	21.438	538.664	8) Pench (MS)	0.580	14.534
5) WPCL	3.660	108.716	9) Pench (Excess)	-0.580	-13.488
6) Other IPP	2.340	66.440	Total	115.251	3375.162
C) 1) TPCL Thermal	16.472	499.512	a) Mumbai Schedule	24.249	720.041
2) TPCL Hydro	2.886	95.104	b) Mumbai Drawl	25.673	795.839
3) TPCL Gas	2.074	56.876	c) MSEDCL Bilateral *	32.350	952.327
4) R-INFRA Thermal	11.709	354.913	Include PX	3.694	92.115
D) STATE			d) Mumbai Bilateral *	24.249	720.041
1) Thermal	236.700	7062.534	Include PX	1.953	119.574
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.303	316.515	H) ENERGY CATERED (MUs)		
3) Gas	8.387	252.738	1) MSEDCL	332.571	9972.813
4) Wind	20.709	738.666	2) Mumbai Discoms	58.814	1802.228
6) SOLAR	1.035	29.442	TOTAL STATE	391.385	11775.041
TOTAL STATE	276.134	8399.895			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4162	4154	4009	4056
MSPGCL Hydro	525	294	467	111
MSPGCL Gas	267	267	262	264
MSPGCL Total Generation	4954	4715	4738	4431
Central Sector Receipt	5622	5648	5028	4075
WIND	939	970	772	849
CPP / IPP	4882	4879	5172	4242
SOLAR	138	130	0	0
Exchange with Mumbai	-1384	-1411	-1195	-652
MSEDCL DEMAND MET	15151	14931	14515	12945
Load Shedding	20	20	24	20
MSEDCL DEMAND	15171	14951	14539	12965
TPCL GENERATION	1145	1115	1058	582
R-INFRA GENERATION	514	516	518	398
MUMBAI DEMAND	3043	3042	2771	1632
STATE DEMAND MET	18194	17973	17286	14577
STATE DEMAND	18214	17993	17310	14597
Frequency (Hz)	49.86	49.88	49.92	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 06.00 Hrs	49.72 Hz at 13.19 Hrs	49.91	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 31/Aug/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.71	75.16	160	147
Unit 6	0.00	0.00	0	0
Unit 7	3.89	115.41	170	134
Total	7.60	190.57		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.96	111.91	175	130
Unit 4	10.03	276.44	470	365
Unit 5	0.00	0.00	0	0
Total	13.98	388.34		
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	3.40	99.61	149	120
Unit 3	4.19	109.28	190	132
Unit 4	0.00	108.51	0	0
Unit 5	9.08	258.84	410	345
Unit 6	8.36	244.17	405	300
Unit 7	8.71	240.83	395	325
Total	33.74	1061.24		
Paras				
Unit 3	4.32	142.64	192	170
Unit 4	4.44	147.08	199	173
Total	8.76	289.72		
Khaparkheda				
Unit 1	3.44	95.15	165	110
Unit 2	3.64	102.94	170	120
Unit 3	3.25	103.34	150	112
Unit 4	3.26	81.52	168	0
Unit 5	7.18	197.41	340	265
Total	20.77	580.36		
Nasik				
Unit 3	4.26	136.60	185	175
Unit 4	4.01	136.54	190	145
Unit 5	0.00	116.15	186	172
Total	8.27	389.28		
Uran				
All Units	6.31	195.86	268	254
Total	6.31	195.86		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.58	14.53	45	12
Total	0.58	14.53		
Koyna				
Stage 1-2	2.70	85.18	465	40
Stage 4	0.33	33.82	189	0
Stage 3	0.86	35.87	160	0
Total	3.89	154.87		
Hydro				
KDPH	0.48	7.30	36	17
VTRNA	0.00	0.75	0	0
TILLARI	0.19	2.73	62	0
BHTGR/VEER	0.00	1.26	0	0
BHIRA T.R.	0.18	9.28	80	0
RNGR+BHTSA	0.03	0.57	2	1
BHANDARDRA	0.54	11.27	23	22
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.54	6.55	30	19
GHATGHAR	0.57	26.84	125	0
Total	2.53	66.54		
Wind				
Total	20.71	738.67	0	0
Total	20.71	738.67		
CPP				
APML(Mus)	49.00	1505.72	0	0
JSWEL(Mus)	28.14	821.54	0	0
VIPL(Mus)	10.81	267.52	0	0
RPLAMT(Mus)	21.44	538.66	0	0
WPCL(Mus)	3.66	108.72	0	0
Other(Mus)	2.34	66.44	0	0
Total	115.39	3308.59		
SOLAR				
Total	1.04	29.44	0	0
Total	1.04	29.44		
Tata				
Trombay 5	10.73	322.13	494	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.07	56.88	115	64
Trombay 7B	0.00	0.00	0	0
Trombay 8	5.74	177.38	250	202
TATA Hydro	2.89	95.10	294	0
Total	21.43	651.49		
R-INFRA				
1-2	11.71	354.91	520	396
Total	11.71	354.91		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	93.13	2899.52
MSPGCL Thml+Gas	99.44	3095.38

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.42	221.41
MSPGCL Total	105.86	3316.79

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.03	118.99
State Total	276.13	8399.90

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 31/Aug/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	3881	119	265	4265	842	4300	0	4588	4298	-850	12855	39	12894	1939	14833	49.82
2	3948	124	265	4337	903	4452	0	4154	4135	-791	13036	18	13054	1770	14824	49.91
3	3976	124	264	4364	934	4565	0	3913	3785	-708	12940	18	12958	1684	14642	49.93
4	4021	106	264	4391	1038	4425	0	3961	3945	-656	13143	18	13161	1639	14800	49.89
5	4056	111	264	4431	849	4242	0	4114	4075	-652	12945	20	12965	1632	14597	49.86
6	4156	281	263	4700	737	4340	0	4281	4554	-684	13647	20	13667	1752	15419	49.90
7	4191	690	267	5148	563	4533	1	4562	4605	-690	14160	20	14180	1924	16104	49.94
8	4198	449	267	4914	493	4949	32	5154	5228	-797	14819	20	14839	2111	16950	49.97
9	4224	258	263	4745	705	5117	65	5817	5686	-1083	15235	20	15255	2421	17676	49.97
10	4189	283	264	4736	896	4999	85	5407	5835	-1300	15251	20	15271	2805	18076	49.90
11	4158	563	268	4989	884	4842	113	5605	5438	-1373	14893	20	14913	3001	17914	49.88
12	4162	525	267	4954	939	4882	138	5841	5622	-1384	15151	20	15171	3043	18214	49.86
13	4154	294	267	4715	970	4879	130	5759	5648	-1411	14931	20	14951	3042	17993	49.88
14	4110	231	265	4606	919	4969	120	5329	5469	-1340	14743	21	14764	2915	17679	49.86
15	4075	252	254	4581	1086	5024	126	5325	5289	-1349	14757	22	14779	2935	17714	49.92
16	4076	152	255	4483	1219	5000	105	5156	5323	-1350	14780	22	14802	2948	17750	49.92
17	4034	122	258	4414	1169	5043	77	4871	4805	-1334	14174	22	14196	2931	17127	49.91
18	3988	207	259	4454	1029	4708	39	4088	4116	-1301	13045	22	13067	2883	15950	49.90
19	3971	559	261	4791	834	4766	4	3650	4057	-1166	13286	24	13310	2764	16074	49.91
20	4009	467	262	4738	772	5172	0	4805	5028	-1195	14515	24	14539	2771	17310	49.92
21	4062	166	262	4490	827	4950	0	4806	4799	-1128	13938	24	13962	2665	16627	49.96
22	4057	112	262	4431	818	5016	0	4500	4577	-1153	13689	24	13713	2548	16261	49.95
23	3909	106	263	4278	668	5174	0	4431	4219	-1045	13294	24	13318	2405	15723	49.93
24	3853	116	264	4233	615	5045	0	4264	4715	-933	13675	24	13699	2286	15985	49.90
MUs	97.46	6.42	6.31	110.19	20.71	115.39	1.04	114.38	115.25	-25.67	336.90	0.53	337.43	58.81	396.24	49.91

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 31/Aug/2015

Position as on 6.30 Hrs of 01/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 1	160	12/10/2014	22:39		Continued.	Refuelling work	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
MSPGCL	Bhusawal Unit 5	500	29/07/2015	06.29		Continued.	Annual Overhaul	
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	
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	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.	
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	
IPP	Adani U-2	660	04/08/2015	00.03		Continued.	ID Fan Problem	
MSPGCL	Koradi Unit-8	660	20/08/2015	09.50		Continued.	EPS problem	
MSPGCL	Chandrapur Unit-8	500	23/08/2015	21.35		Continued.	cooling water pump tripped	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Aug/2015

Position as on 6.30 Hrs of 01/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 4	210	31/08/2015	22.32	01/09/2015	03.06	Drum level high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Aug/2015

Statement-VII

Position as on 6.30 Hrs of 01/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							
Dhule Sar'Sarovar I	InterState	29/08/2015	17.31	31/08/2015	06.55	HT	Over Voltage
Kolhapur Mapusa II	InterState	30/08/2015	08.54	31/08/2015	07.00	HT	Over Voltage
Chandrapur Bhadravati IV	InterState	31/08/2015	09.41	31/08/2015	14.26	PO	Replacement work
Kolhapur Mapusa I	InterState	31/08/2015	16.42		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	27/08/2015	11.20		Continued.	PO	opportunity outage for line rectification in work (RFC 16.50)
karad -kolhapur-I	IntraState	28/08/2015	16.11	31/08/2015	07.21	T	R Ph Pole Breaker Burst.
Karad-Jaigad - I	IntraState	30/08/2015	16.03	31/08/2015	09.33	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/08/2015	17.14	31/08/2015	09.01	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/08/2015	17.14	31/08/2015	07.17	HT	Over Voltage
karad -kolhapur-II	IntraState	31/08/2015	16.36		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	31/08/2015	16.41		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	31/08/2015	17.54	01/09/2015	06.24	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 315 MVA ICT -I @New Koyna	IntraState	31/08/2015	10.04	31/08/2015	17.54	PO	Attending Hot Spot
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	31/08/2015	16.56	31/08/2015	18.14	T	Differential protection
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 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	Distance Protection
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
Malharpeth - Karad(400kv)	IntraState	31/08/2015	11.18	31/08/2015	17.25	PO	Replacement work
Karad(400kv) - Wathar	IntraState	31/08/2015	12.10	31/08/2015	18.41	PO	Relay testing work
Oni Kharepatan Line	IntraState	31/08/2015	15.53	31/08/2015	16.08	T	Distance Protection
Karad - Vita Ckt- II	IntraState	01/09/2015	04.59		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
220/132-110kv 100mva Imp Ptr 1 @Wathar	IntraState	31/08/2015	09.45	31/08/2015	18.50	PO	Testing Work

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