

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Sep/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	116.018	1245.726	1) Gujrat	-0.445	39.999
2) Hydro	5.802	129.679	2) Madhya Pradesh	4.983	129.524
3) Gas	6.109	76.184	3) Chattisgarh	3.620	55.640
Total MSPGCL	127.929	1451.589	4) Maharashtra Net	98.634	1216.705
B) 1) APML	39.030	643.100	5) Goa	-7.512	-90.699
2) JSWEL	29.449	336.407	6) TAPS 1&2 Injection	3.442	46.312
3) VIPL	10.699	140.734	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	15.291	247.704	8) Pench (MS)	0.516	7.959
5) WPCL	5.095	49.480	9) Pench (Excess)	-0.516	-7.959
6) Other IPP	2.139	24.609	Total	102.206	1389.522
C) 1) TPCL Thermal	16.251	201.989	a) Mumbai Schedule	19.886	280.134
2) TPCL Hydro	1.022	27.214	b) Mumbai Drawl	26.757	305.624
3) TPCL Gas	3.552	36.808	c) MSEDCL Bilateral *	27.426	370.307
4) R-INFRA Thermal	11.336	144.488	Include PX	-0.325	32.604
D) STATE			d) Mumbai Bilateral *	19.886	279.099
1) Thermal	245.308	3034.237	Include PX	-0.664	12.074
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	6.824	156.893	H) ENERGY CATERED (MUs)		
3) Gas	9.661	112.992	1) MSEDCL	315.208	4082.001
4) Wind	9.177	91.926	2) Mumbai Discoms	58.918	716.113
6) SOLAR	0.950	12.554	TOTAL STATE	374.126	4798.114
TOTAL STATE	271.920	3408.602			

* 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 4 Hrs
MSPGCL Thermal	4827	4863	5085	4715
MSPGCL Hydro	685	737	308	84
MSPGCL Gas	255	234	195	279
MSPGCL Total Generation	5767	5834	5588	5078
Central Sector Receipt	4806	5040	4112	3590
WIND	290	277	475	364
CPP / IPP	4572	4505	4346	4076
SOLAR	113	153	0	0
Exchange with Mumbai	-1269	-1340	-1290	-847
MSEDCL DEMAND MET	14279	14469	13231	12261
Load Shedding	23	23	25	23
MSEDCL DEMAND	14302	14492	13256	12284
TPCL GENERATION	1093	1016	999	633
R-INFRA GENERATION	517	516	516	396
MUMBAI DEMAND	2879	2872	2805	1876
STATE DEMAND MET	17158	17341	16036	14137
STATE DEMAND	17181	17364	16061	14160
Frequency (Hz)	49.85	49.79	49.87	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 10:02 Hrs	49.64 Hz at 12:48 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 12/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.49	40.47	150	140
Unit 6	0.00	0.00	0	0
Unit 7	4.00	35.25	177	152
Total	7.49	75.72		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.16	48.94	175	165
Unit 4	11.02	127.78	495	400
Unit 5	9.66	77.44	450	380
Total	24.82	254.16		
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	3.22	38.35	152	117
Unit 3	4.32	42.31	199	161
Unit 4	0.00	0.00	0	0
Unit 5	9.65	112.46	425	376
Unit 6	9.89	114.86	440	385
Unit 7	8.89	102.51	394	336
Total	35.98	410.49		
Paras				
Unit 3	5.14	59.38	226	204
Unit 4	5.31	63.13	245	200
Total	10.45	122.52		
Khaparkheda				
Unit 1	3.70	23.50	180	110
Unit 2	3.80	40.88	180	135
Unit 3	3.75	41.37	170	140
Unit 4	3.98	41.92	181	159
Unit 5	8.57	92.68	400	340
Total	23.80	240.36		
Nasik				
Unit 3	4.46	53.82	195	175
Unit 4	4.53	38.80	200	181
Unit 5	4.48	49.86	199	170
Total	13.47	142.48		
Uran				
All Units	6.11	76.18	294	151
Total	6.11	76.18		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.52	7.96	53	0
Total	0.52	7.96		
Koyna				
Stage 1-2	2.04	43.54	235	40
Stage 4	0.74	36.72	207	0
Stage 3	0.68	18.23	144	0
Total	3.45	98.48		
Hydro				
KDPH	0.44	6.45	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.	0.17	2.37	80	0
RNGR+BHTSA	0.00	1.00	0	0
BHANDARDRA	0.36	6.01	40	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.12	3.26	12	2
GHATGHAR	1.26	12.00	250	0
Total	2.35	31.20		
Wind				
Total	9.18	91.93	0	0
Total	9.18	91.93		
CPP				
APML(Mus)	39.03	643.10	0	0
JSWEL(Mus)	29.45	336.41	0	0
VIPL(Mus)	10.70	140.73	0	0
RPLAMT(Mus)	15.29	247.70	0	0
WPCL(Mus)	5.10	49.48	0	0
Other(Mus)	2.14	24.61	0	0
Total	101.70	1442.03		
SOLAR				
Total	0.95	12.55	0	0
Total	0.95	12.55		
Tata				
Trombay 5	10.57	132.23	493	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.15	28.41	117	64
Trombay 7B	1.40	8.40	67	50
Trombay 8	5.68	69.76	251	201
TATA Hydro	1.02	27.21	177	0
Total	20.82	266.01		
R-INFRA				
1-2	11.34	144.49	519	396
Total	11.34	144.49		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	116.02	1245.73
MSPGCL Thml+Gas	122.13	1321.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.80	129.68
MSPGCL Total	127.93	1451.59

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.77	80.25
State Total	271.92	3408.60

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/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	4766	109	280	5155	252	4429	0	4665	3877	-942	12771	37	12808	2284	15092	49.96
2	4804	101	280	5185	394	4139	0	4543	3848	-870	12696	23	12719	2073	14792	49.90
3	4798	74	279	5151	291	4066	0	4156	3702	-843	12367	23	12390	1930	14320	49.88
4	4715	84	279	5078	364	4076	0	4030	3590	-847	12261	23	12284	1876	14160	49.87
5	4737	79	279	5095	400	4091	0	4006	3806	-825	12567	23	12590	1856	14446	49.88
6	4745	84	278	5107	417	4186	0	4249	4119	-866	12963	23	12986	1906	14892	49.84
7	4796	74	277	5147	430	4110	1	4441	3997	-847	12838	23	12861	1961	14822	49.89
8	4871	94	275	5240	427	4178	15	4498	4100	-834	13126	23	13149	2076	15225	49.84
9	4840	296	265	5401	300	4537	37	4757	4234	-940	13569	23	13592	2299	15891	49.88
10	4850	270	261	5381	361	4548	71	4811	4641	-1097	13905	23	13928	2587	16515	49.83
11	4859	481	254	5594	300	4487	92	4895	4862	-1231	14104	23	14127	2816	16943	49.96
12	4827	685	255	5767	290	4572	113	4888	4806	-1269	14279	23	14302	2879	17181	49.85
13	4863	737	234	5834	277	4505	153	4871	5040	-1340	14469	23	14492	2872	17364	49.79
14	4889	736	190	5815	419	4439	156	4523	4677	-1226	14280	25	14305	2788	17093	49.77
15	4951	435	235	5621	356	4563	147	4826	4577	-1268	13996	25	14021	2825	16846	49.85
16	4906	204	232	5342	407	4231	103	4824	4708	-1385	13406	25	13431	2818	16249	49.92
17	4717	79	218	5014	464	3882	58	4743	4412	-1348	12482	25	12507	2779	15286	49.95
18	4754	161	218	5133	386	3749	4	3876	4140	-1237	12175	25	12200	2756	14956	49.91
19	4780	256	151	5187	432	3894	0	4167	4437	-1346	12604	25	12629	2774	15403	49.90
20	5085	308	195	5588	475	4346	0	4404	4112	-1290	13231	25	13256	2805	16061	49.87
21	5015	73	293	5381	450	4354	0	4519	4299	-1212	13272	25	13297	2645	15942	49.90
22	4944	71	294	5309	486	4253	0	4535	4119	-1112	13055	25	13080	2535	15615	49.95
23	4756	60	293	5109	553	4098	0	4450	3993	-1312	12441	25	12466	2446	14912	49.94
24	4750	251	294	5295	246	3970	0	4046	4110	-1270	12351	25	12376	2332	14708	49.92
MUs	116.0 2	5.80	6.11	127.93	9.18	101.70	0.95	107.72	102.21	-26.76	315.21	0.59	315.80	58.92	374.71	49.89

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 12/Sep/2015

Position as on 6.30 Hrs of 13/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		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	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPL	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	12/09/2015	12.53	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	
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	RPL(AMT) U-3	270	11/09/2015	17.54	13/09/2015	21.49	Boiler Tube Leakage	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generater bearing	
MSPGCL	Uran Unit 8	108	12/09/2015	13.08		Continued.	Gas shortage	
MSPGCL	Uran Unit 6	108	13/09/2015	14.02		Continued.	Lube Oil Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 13/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							
Kolhapur Mapusa I	InterState	11/09/2015	16.37	12/09/2015	06.53	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	11/09/2015	21.38	12/09/2015	06.50	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	11/09/2015	21.38	12/09/2015	05.31	HT	Over Voltage
Kolhapur Mapusa II	InterState	12/09/2015	16.21	13/09/2015	08.06	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/09/2015	22.18		Continued.	HT	Over Voltage
Chakan Talegaon(Pg)	InterState	13/09/2015	09.41	13/09/2015	17.17	EO	To attend Hot Spot
Dhule Khandwa I	InterState	13/09/2015	10.26	13/09/2015	13.52	PO	Repl.of Insulator work
Kolhapur Mapusa I	InterState	13/09/2015	16.36		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.
Babhaleshwar - Padghe-II	IntraState	11/09/2015	15.01	12/09/2015	16.30	EO	Insulator string replacement work
karad -kolhapur-II	IntraState	11/09/2015	16.05	12/09/2015	06.49	HT	Over Voltage
Karad-Jaigad - I	IntraState	11/09/2015	16.34	12/09/2015	09.00	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	11/09/2015	17.18	12/09/2015	09.29	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	12/09/2015	03.40	12/09/2015	07.28	HT	Over Voltage
karad -kolhapur-I	IntraState	12/09/2015	04.35	13/09/2015	10.00	EO	Sparking on bus isolator RFC at 12.30 dt.12/09/2015
Babhaleshwar-Taptitanda ckt-II	IntraState	12/09/2015	10.02	12/09/2015	16.46	HT	control babhaleshwar-padgha line loading
Karad-Jaigad - I	IntraState	12/09/2015	16.14		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	12/09/2015	16.33		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	12/09/2015	23.50	13/09/2015	09.18	HT	Over Voltage
karad -kolhapur-II	IntraState	13/09/2015	16.07		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	12/09/2015	07.21	13/09/2015	19.23	PO	special repair of structural strengthening of fire protection wall
220 KV LINE Outages/Trippings							
Mahalakshmi Amona	InterState	12/09/2015	13.50	12/09/2015	16.05	EO	Remove earthwaire
Tillari Amona	InterState	12/09/2015	13.55	12/09/2015	16.05	EO	Remove earthwaire
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
REL Borivali TPC Borivali line	IntraState	10/09/2015	16.22		Continued.	T	Tripped on B ph Diff Prot. cable damage near reliance sub station.
Kharghar - Nerul	IntraState	12/09/2015	06.50	12/09/2015	10.06	EO	Attending Hot Spot
Pedhambe - Oni	IntraState	12/09/2015	11.48	13/09/2015	00.00	T	conductor snapping
Pohali-Nerle	IntraState	12/09/2015	11.48	12/09/2015	17.10	PO	Annual Maintenance Work

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 12/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 13/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Main bus section-II @ Pedambe	IntraState	12/09/2015	11.48	12/09/2015	13.03	T	Bus sec-2 dead due to Snapping of oni feeder conductor
Adlabs - Pedambe	IntraState	12/09/2015	11.48	12/09/2015	13.08	T	Bus sec-2 dead due to Snapping of oni feeder conductor
Pophli Pedhmbe Line- 2	IntraState	12/09/2015	11.48	12/09/2015	13.30	T	snapping of oni feeder conductor
Pedambe-Nerle	IntraState	12/09/2015	11.48	12/09/2015	13.18	T	Bus sec-2 dead due to Snapping of oni feeder conductor
Uran - Hoc 1	IntraState	12/09/2015	12.06	12/09/2015	19.30	T	Distance Protection
Nashik-Airoli Knowledge Park	IntraState	12/09/2015	15.07	12/09/2015	15.27	T	Distance Protection
Eklahare (Gcr) - Ghatghar	IntraState	12/09/2015	15.18	12/09/2015	15.25	T	Distance Protection
Nagothane - Posco	IntraState	12/09/2015	17.19	13/09/2015	02.43	T	Distance Protection
Adlabs - Pedambe	IntraState	12/09/2015	17.19	12/09/2015	17.38	T	Distance Protection
Temghar - Kalwa	IntraState	12/09/2015	21.40	13/09/2015	17.30	PO	Breaker Compressor problem(Ckt on TBC)
Khaparkheda-Kaulewada-I	IntraState	13/09/2015	01.38		Continued.	T	Distance Protection
Kalwa-TIFIL	IntraState	13/09/2015	06.40	13/09/2015	22.53	PO	Strengthening work at Kalwa end
Main Bus I @ Kalwa	IntraState	13/09/2015	07.00	13/09/2015	19.25	PO	For strengthening of Tifil Bay at 400KV Kalwa end
Kalwa - Mulund 2	IntraState	13/09/2015	17.40	13/09/2015	20.58	EO	To attend Hot Spot
Ghatghar - Jindal	IntraState	13/09/2015	19.50	13/09/2015	20.08	T	Distance Protection
Bhugaon-Pusad	IntraState	13/09/2015	23.52		Continued.	T	Distance Protection
Lamboti-Vita	IntraState	13/09/2015	23.53		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
220/22KV 100MVA T/F 4 @Mulund	IntraState	09/09/2015	12.20		Continued.	PO	Replacement of Control and Relay Panal
220/100 Kv 200 Mva Bhel Ict 1 @Kalwa	IntraState	12/09/2015	05.59	12/09/2015	10.34	PO	Jumper Replacement work
220/132kv 100MVA ICT-II @ Alephata	IntraState	12/09/2015	09.19	12/09/2015	13.05	PO	Annual Maintenance Work
220/100 Kv 200 Mva Aval Ict 2 @Taloja	IntraState	13/09/2015	12.00	13/09/2015	16.17	PO	R Phase Span Broken
132 KV LINE Outages/Trippings							
Nandurbar - Visarwadi	IntraState	12/09/2015	19.40	13/09/2015	03.40	T	Distance Protection
Telgaon - Majalgaon	IntraState	13/09/2015	18.55	13/09/2015	02.05	T	Distance Protection
Beed(220kv) -Telgaon	IntraState	13/09/2015	18.55	13/09/2015	19.50	T	Backup Protection
Khamgaon-Jalamb Tss No-li	IntraState	13/09/2015	21.07	13/09/2015	21.31	T	Distance Protection
Khamgaon-Jalamb Tss No-I	IntraState	13/09/2015	21.07	13/09/2015	21.32	T	Distance Protection
Kaulewada-Madgi-I	IntraState	13/09/2015	22.37	13/09/2015	22.58	T	Distance Protection

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