

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Dec/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.001	1497.496	1) Gujrat	-1.090	9.206
2) Hydro	6.088	111.945	2) Madhya Pradesh	6.787	92.777
3) Gas	7.327	113.385	3) Chattisgarh	4.510	68.650
Total MSPGCL	146.416	1722.826	4) Maharashtra Net	78.013	1073.400
B) 1) APML	49.603	663.674	5) Goa (Amona)	-0.444	-6.890
2) JSWEL	22.128	292.646	6) TAPS 1&2 Injection	3.615	46.400
3) VIPL	5.196	120.353	7) RGPPL Injection	6.090	81.971
4) RPL(AMT)	19.772	273.955	8) Pench (MS)	0.085	2.676
5) WPCL	5.606	69.865	9) Pench (Excess)	-0.085	-2.676
6) Other IPP	10.885	143.378	Total	97.396	1362.838
C) 1) TPCL Thermal	13.342	188.615	a) Mumbai Schedule	10.346	246.739
2) TPCL Hydro	0.103	32.199	b) Mumbai Drawl	17.868	318.811
3) TPCL Gas	2.177	42.904	c) MSEDCL Bilateral *	26.575	337.310
4) R-INFRA Thermal	9.658	133.748	Include PX	-1.383	-11.994
D) STATE			d) Mumbai Bilateral *	10.346	246.739
1) Thermal	269.191	3383.730	Include PX	0.555	11.441
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	6.191	144.144	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	9.504	156.289	1) MSEDCL	342.222	4427.891
4) Wind	1.950	82.607	2) Mumbai Discoms	43.148	716.274
6) SOLAR	1.138	14.560	TOTAL STATE	385.370	5144.165
TOTAL STATE	287.974	3781.330			

* 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	5774	5798	5707	5316
MSPGCL Hydro	445	244	200	132
MSPGCL Gas	288	298	306	313
MSPGCL Total Generation	6507	6340	6213	5761
Central Sector Receipt	4855	4667	4170	3151
WIND	21	33	156	42
CPP / IPP	5380	5342	4485	4454
SOLAR	169	176	0	0
Exchange with Mumbai	-798	-763	-1030	-489
MSEDCL DEMAND MET	16134	15795	13994	12919
Load Shedding	15	15	14	12
MSEDCL DEMAND	16149	15810	14008	12931
TPCL GENERATION	807	807	609	610
R-INFRA GENERATION	403	403	402	403
MUMBAI DEMAND	2008	1973	2041	1502
STATE DEMAND MET	18142	17768	16035	14421
STATE DEMAND	18157	17783	16049	14433
Frequency (Hz)	49.93	49.89	49.99	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06:02 Hrs	49.69 Hz at 08:18 Hrs	49.95	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 13/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.84	37.03	124	110
Unit 6	0.00	0.00	0	0
Unit 7	3.59	28.71	172	130
Total	6.43	65.74		
Bhusawal				
Unit 2	4.20	53.44	180	160
Unit 3	4.19	53.32	180	155
Unit 4	10.60	134.69	500	420
Unit 5	10.61	137.20	510	400
Total	29.61	378.66		
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	3.05	38.32	133	120
Unit 3	4.14	55.82	195	140
Unit 4	4.35	57.06	199	160
Unit 5	9.29	122.38	410	375
Unit 6	8.82	9.17	410	328
Unit 7	9.82	127.97	420	400
Total	39.47	410.72		
Paras				
Unit 3	1.33	59.22	213	0
Unit 4	5.25	59.39	253	194
Total	6.59	118.61		
Khaparkheda				
Unit 1	3.74	49.22	165	145
Unit 2	3.82	49.40	165	150
Unit 3	4.02	48.09	178	160
Unit 4	3.89	35.37	168	151
Unit 5	9.79	123.63	500	360
Total	25.26	305.70		
Nasik				
Unit 3	4.54	28.58	195	185
Unit 4	4.47	53.10	195	181
Unit 5	4.62	60.23	199	186
Total	13.63	141.91		
Uran				
All Units	7.33	113.38	318	283
Total	7.33	113.38		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.08	2.68	17	0
Total	0.08	2.68		
Koyna				
Stage 1-2	1.90	31.20	360	40
Stage 4	0.44	14.85	228	0
Stage 3	0.18	9.99	80	0
Total	2.52	56.04		
Hydro				
KDPH	0.44	7.72	19	18
VTRNA	0.57	7.18	61	0
TILLARI	0.00	1.93	0	0
BHTGR/VEER	0.06	0.61	3	2
BHIRA T.R.	0.19	1.87	41	0
RNGR+BHTSA	0.28	3.01	12	11
BHANDARDRA	0.50	6.44	21	20
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.96	10.07	47	37
GHATGHAR	0.57	15.43	125	0
Total	3.57	55.91		
Wind				
Total	1.95	82.61	0	0
Total	1.95	82.61		
CPP				
APML(Mus)	49.60	663.67	0	0
JSWEL(Mus)	22.13	292.65	0	0
VIPL(Mus)	5.20	120.35	0	0
RPLAMT(Mus)	19.77	273.96	0	0
WPCL(Mus)	5.61	69.86	0	0
Other(Mus)	10.88	143.38	0	0
Total	113.19	1563.87		
SOLAR				
Total	1.14	14.56	0	0
Total	1.14	14.56		
Tata				
Trombay 5	8.27	117.91	468	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.19	25.62	50	49
Trombay 7B	0.98	17.29	42	40
Trombay 8	5.07	70.71	252	200
TATA Hydro	0.10	32.20	52	0
Total	15.62	263.72		
R-INFRA				
1-2	9.66	133.75	406	399
Total	9.66	133.75		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	133.00	1497.50
MSPGCL Thml+Gas	140.33	1610.88

Koradi 8	12.02	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.09	111.94
MSPGCL Total	146.42	1722.83

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.33	46.05
State Total	287.97	3781.33

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Dec/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	5297	136	313	5746	77	4263	0	3607	3575	-710	12951	20	12971	1741	14712	49.89
2	5302	132	312	5746	57	4429	0	3632	3467	-596	13103	11	13114	1609	14723	49.97
3	5332	137	314	5783	43	4479	0	3299	3400	-531	13174	12	13186	1543	14729	49.93
4	5316	132	313	5761	42	4454	0	3189	3151	-489	12919	12	12931	1502	14433	49.95
5	5323	142	314	5779	33	4447	0	3499	3619	-495	13383	12	13395	1505	14900	49.96
6	5324	137	314	5775	55	4439	0	3956	4260	-555	13974	15	13989	1565	15554	50.01
7	5310	259	318	5887	26	4502	0	4541	4764	-593	14586	15	14601	1603	16204	49.94
8	5402	625	316	6343	34	4810	11	4727	4840	-615	15423	15	15438	1643	17081	49.89
9	5575	809	312	6696	35	5078	57	4690	4607	-634	15839	15	15854	1740	17594	49.87
10	5839	473	310	6622	23	5222	116	4710	4549	-651	15881	15	15896	1865	17761	49.87
11	5803	447	306	6556	25	5342	145	4779	4837	-764	16141	15	16156	1976	18132	49.91
12	5774	445	288	6507	21	5380	169	4805	4855	-798	16134	15	16149	2008	18157	49.93
13	5798	244	298	6340	33	5342	176	4822	4667	-763	15795	15	15810	1973	17783	49.89
14	5504	134	283	5921	64	5127	160	4774	4405	-811	14866	17	14883	1906	16789	49.95
15	5490	135	293	5918	119	5011	146	4744	4950	-829	15315	14	15329	1841	17170	49.98
16	5432	135	299	5866	139	5015	102	4710	4845	-787	15180	14	15194	1800	16994	49.95
17	5504	141	298	5943	124	4840	48	4486	4359	-784	14530	14	14544	1793	16337	49.96
18	5614	191	289	6094	133	4494	6	3503	3567	-825	13469	14	13483	1836	15319	49.97
19	5701	205	295	6201	90	4489	2	4268	4211	-1009	13984	14	13998	2020	16018	49.96
20	5707	200	306	6213	156	4485	0	4507	4170	-1030	13994	14	14008	2041	16049	49.99
21	5691	200	308	6199	200	4398	0	3771	3662	-1023	13436	14	13450	2035	15485	49.97
22	5697	318	309	6324	159	4397	0	2699	2864	-956	12788	14	12802	1965	14767	49.97
23	5637	176	309	6122	154	4392	0	2809	2746	-866	12548	14	12562	1875	14437	49.96
24	5629	135	310	6074	108	4359	0	3016	3026	-754	12813	14	12827	1763	14590	50.03
MUs	133.00	6.09	7.33	146.42	1.95	113.19	1.14	97.54	97.40	-17.87	342.22	0.34	342.57	43.15	385.71	49.95

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 13/Dec/2015

Position as on 6.30 Hrs of 14/Dec/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	
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	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	23/10/2015	17.31		Continued.	ESP filter problem	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	
MSPGCL	Uran Unit B0	120	09/12/2015	12.34		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	09/12/2015	12.42		Continued.	Gas shortage	
IPP	VIPL U-2	300	09/12/2015	23.51		Continued.	Inspection and Testing of U-2 Boiler	
MSPGCL	Paras Unit 3	250	12/12/2015	20.40	13/12/2015	16.57	Main Steam Line Leakage.	
IPP	RPL(AMT) U-5	270	12/12/2015	21.29		Continued.	Cooling Water Line Leakage.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 14/Dec/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 Solapur(PG) I	InterState	12/12/2015	18.07	13/12/2015	07.25	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/12/2015	19.57	13/12/2015	06.48	T	Over Voltage
Talegaon(Pg) Padgha	InterState	13/12/2015	08.48	13/12/2015	18.17	PO	Line Maintenance work
Dhule Sar'Sarovar I	InterState	13/12/2015	13.40		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/12/2015	17.13		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-II	IntraState	10/12/2015	06.37		Continued.	PO	Line Rectification work(RFC 17.27Hrs)
Karad - Lonikand 1	IntraState	12/12/2015	10.02		Continued.	PO	Insulator Disc Replacement.
karad -kolhapur-I	IntraState	12/12/2015	16.09	13/12/2015	09.00	HT	Over Voltage
Karad-Jaigad - I	IntraState	12/12/2015	17.01	13/12/2015	10.00	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	12/12/2015	17.08	13/12/2015	06.49	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	13/12/2015	11.52	13/12/2015	12.20	T	Distance Protection
karad -kolhapur-II	IntraState	13/12/2015	16.04		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	13/12/2015	16.11		Continued.	T	Over Voltage
Bhusawal-Aurangabad	IntraState	13/12/2015	16.35		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
220 KV LINE Outages/Trippings							
Mahalakshmi Amona	InterState	13/12/2015	15.40	13/12/2015	17.30	T	Tripped form amona end only while bus fault at halkarni
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.
Wadkhal - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Dahanu Versova	IntraState	12/12/2015	22.50	13/12/2015	03.08	PO	CVT Replacement Work.
Boisar Versova Line	IntraState	13/12/2015	07.48	13/12/2015	09.36	PO	Attending Hot Spot
REL Borivali MSETCL Borivali Line-2	IntraState	13/12/2015	10.05	13/12/2015	12.15	PO	Tightening of nut bolt in link boxes & sheath earthing
Kalwa - Colourchem	IntraState	13/12/2015	13.50	13/12/2015	14.00	T	Distance Protection
Halkarni - Tillari II	IntraState	13/12/2015	15.40	13/12/2015	16.08	T	Bus Fault at Halakarni
Halkarni-Mahalaxmiline	IntraState	13/12/2015	15.40		Continued.	T	R-ph C.T.burst
Mumewadi -Halkarni I	IntraState	13/12/2015	15.40	13/12/2015	16.07	T	Bus Fault at Halakarni
Mumewadi -Halkarni II	IntraState	13/12/2015	15.40	13/12/2015	16.07	T	Bus Fault at Halakarni
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22 Kv 50 Mva Imp Ptr 1 @Airoli Knowledge Park	IntraState	13/12/2015	11.30	13/12/2015	11.45	T	discom feeder fault
220/33kv 100 Mva Transformer 3 @Ghodbunder R/S	IntraState	13/12/2015	11.58	13/12/2015	14.22	PO	Annual Maintenance Work

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