

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Dec/2015 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.798	3564.153	1) Gujrat	-5.724	-57.854
2) Hydro	11.989	230.578	2) Madhya Pradesh	0.845	149.495
3) Gas	8.573	238.982	3) Chattisgarh	3.070	129.100
Total MSPGCL	139.360	4033.713	4) Maharashtra Net	58.427	2170.006
B) 1) APLM	46.127	1383.902	5) Goa (Amona)	-0.630	-15.870
2) JSWEL	18.779	627.603	6) TAPS 1&2 Injection	3.662	103.822
3) VIPL	10.113	279.547	7) RGPPL Injection	6.370	182.749
4) RPL(AMT)	25.178	639.027	8) Pench (MS)	0.581	6.707
5) WPCL	5.608	156.140	9) Pench (Excess)	-0.581	-6.707
6) Other IPP	10.514	316.434	Total	65.439	2654.741
C) 1) TPCL Thermal	12.560	399.068	a) Mumbai Schedule	16.100	490.551
2) TPCL Hydro	3.455	76.061	b) Mumbai Drawl	19.308	627.006
3) TPCL Gas	3.772	93.268	c) MSEDCL Bilateral *	4.210	603.452
4) R-INFRA Thermal	9.720	290.876	Include PX	-16.265	-158.846
D) STATE			d) Mumbai Bilateral *	16.100	490.551
1) Thermal	257.397	7656.750	Include PX	-0.146	9.686
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	15.444	306.639	H) ENERGY CATERED (MUs)		
3) Gas	12.345	332.250	1) MSEDCL	319.265	9716.334
4) Wind	16.170	218.756	2) Mumbai Discoms	48.815	1486.265
6) SOLAR	1.285	33.477	TOTAL STATE	368.080	11202.599
TOTAL STATE	302.641	8547.872			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5264	4603	4902	5109
MSPGCL Hydro	821	306	931	90
MSPGCL Gas	304	284	427	296
MSPGCL Total Generation	6389	5193	6260	5495
Central Sector Receipt	4567	4858	3323	350
WIND	653	801	508	837
CPP / IPP	5225	5302	4772	4710
SOLAR	167	181	0	0
Exchange with Mumbai	-1134	-1046	-1175	-255
MSEDCL DEMAND MET	15867	15289	13688	11137
Load Shedding	14	14	16	11
MSEDCL DEMAND	15881	15303	13704	11148
TPCL GENERATION	989	1103	939	635
R-INFRA GENERATION	406	404	405	404
MUMBAI DEMAND	2529	2553	2519	1294
STATE DEMAND MET	18396	17842	16207	12431
STATE DEMAND	18410	17856	16223	12442
Frequency (Hz)	49.91	49.94	49.88	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 05.00 Hrs	49.67 Hz at 16.26 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 29/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.85	82.06	125	115
Unit 6	0.00	0.00	0	0
Unit 7	3.84	88.71	170	153
Unit 8	7.66	261.87	645	0
Total	14.35	432.63		
Bhusawal				
Unit 2	4.12	100.59	180	160
Unit 3	4.18	119.46	180	170
Unit 4	9.53	300.81	410	385
Unit 5	9.43	292.02	410	380
Total	27.26	812.89		
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	3.04	86.94	131	119
Unit 3	4.14	124.30	179	163
Unit 4	4.16	126.38	183	165
Unit 5	0.00	244.75	0	0
Unit 6	9.08	155.89	390	367
Unit 7	9.76	284.95	420	392
Total	30.18	1023.21		
Paras				
Unit 3	4.62	135.30	206	178
Unit 4	4.63	136.07	200	190
Total	9.25	271.37		
Khaparkheda				
Unit 1	3.36	109.94	160	120
Unit 2	3.99	108.64	190	155
Unit 3	4.26	108.34	199	171
Unit 4	3.88	98.78	168	155
Unit 5	8.97	249.37	380	360
Total	24.47	675.07		
Nasik				
Unit 3	4.37	100.46	190	175
Unit 4	4.37	114.48	186	174
Unit 5	4.56	134.04	195	185
Total	13.29	348.98		
Uran				
All Units	8.57	238.98	466	281
Total	8.57	238.98		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.58	6.71	43	0
Total	0.58	6.71		
Koyna				
Stage 1-2	4.41	70.83	515	40
Stage 4	2.88	23.57	482	0
Stage 3	2.00	21.23	240	0
Total	9.30	115.63		
Hydro				
KDPH	0.00	14.42	0	0
VTRNA	0.61	16.29	61	0
TILLARI	0.12	2.78	61	0
BHTGR/VEER	0.05	1.33	3	2
BHIRA T.R.	0.17	4.43	40	0
RNGR+BHTSA	0.00	7.23	0	0
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.68	22.24	29	28
GHATGHAR	1.06	35.80	250	0
Total	2.69	114.95		
Wind				
Total	16.17	218.76	0	0
Total	16.17	218.76		
CPP				
APML(Mus)	46.13	1383.90	0	0
JSWEL(Mus)	18.78	627.60	0	0
VIPL(Mus)	10.11	279.55	0	0
RPLAMT(Mus)	25.18	639.03	0	0
WPCL(Mus)	5.61	156.14	0	0
Other(Mus)	10.51	316.43	0	0
Total	116.32	3402.65		
SOLAR				
Total	1.28	33.48	0	0
Total	1.28	33.48		
Tata				
Trombay 5	7.58	247.51	317	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.29	55.34	115	65
Trombay 7B	1.48	37.92	69	51
Trombay 8	4.98	151.56	223	199
TATA Hydro	3.46	76.06	390	71
Total	19.79	568.40		
R-INFRA				
1-2	9.72	290.88	409	402
Total	9.72	290.88		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	118.80	3564.15
MSPGCL Thml+Gas	127.37	3803.14

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	11.99	230.58
MSPGCL Total	139.36	4033.71

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	7.29	94.40
State Total	302.64	8547.87

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 29/Dec/2015

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5119	100	304	5523	796	4705	0	918	534	-474	11084	22	11106	1529	12635	49.98
2	5134	70	296	5500	805	4711	0	893	548	-348	11216	11	11227	1401	12628	49.99
3	5123	100	316	5539	883	4722	0	906	510	-296	11358	11	11369	1331	12700	49.98
4	5109	90	296	5495	837	4710	0	932	350	-255	11137	11	11148	1294	12442	49.97
5	5136	275	308	5719	766	4750	0	854	450	-232	11453	11	11464	1284	12748	49.95
6	5106	667	308	6081	729	4703	0	1347	1101	-334	12280	14	12294	1397	13691	49.94
7	5116	1049	308	6473	665	4720	0	2071	1759	-396	13221	14	13235	1525	14760	49.89
8	5125	829	298	6252	666	4724	13	3773	3920	-531	15044	14	15058	1724	16782	49.86
9	5092	845	290	6227	572	4735	72	4407	4412	-766	15252	14	15266	1994	17260	49.85
10	5154	936	290	6380	587	4932	122	4461	4499	-933	15587	14	15601	2334	17935	49.86
11	5264	821	304	6389	653	5225	167	4481	4567	-1134	15867	14	15881	2529	18410	49.91
12	4994	508	281	5783	817	5412	195	4461	4306	-1085	15428	14	15442	2558	18000	49.83
13	4603	306	284	5193	801	5302	181	4447	4858	-1046	15289	14	15303	2553	17856	49.94
14	4601	117	382	5100	832	5030	174	4341	4283	-1085	14334	19	14353	2404	16757	49.94
15	4626	280	402	5308	794	4790	167	3637	4001	-1033	14027	16	14043	2434	16477	49.78
16	4684	769	412	5865	647	4761	116	3711	3937	-929	14397	16	14413	2444	16857	49.85
17	4701	722	405	5828	597	4766	63	3679	3873	-1018	14109	16	14125	2447	16572	49.70
18	4811	725	427	5963	503	4760	15	2681	3094	-1138	13197	16	13213	2446	15659	49.95
19	4902	931	427	6260	508	4772	0	3192	3323	-1175	13688	16	13704	2519	16223	49.88
20	4915	1037	447	6399	496	4800	0	3031	2950	-1201	13444	16	13460	2494	15954	49.92
21	4903	292	450	5645	560	4954	0	3065	3028	-1182	13005	16	13021	2274	15295	49.99
22	4886	143	456	5485	573	4866	0	1979	2070	-1087	11907	16	11923	2149	14072	49.98
23	4864	298	466	5628	546	4753	0	1313	1434	-887	11474	16	11490	1948	13438	49.94
24	4830	79	416	5325	537	4715	0	1270	1631	-743	11465	16	11481	1803	13284	49.98
MUs	118.80	11.99	8.57	139.36	16.17	116.32	1.29	65.85	65.44	-19.31	319.26	0.36	319.62	48.82	368.44	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 29/Dec/2015

Position as on 6.30 Hrs of 30/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	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		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	
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	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
IPP	JSW (J) U3	300	23/12/2015	13.18		Continued.	Economic shutdown	
MSPGCL	Uran Unit 6	108	26/12/2015	22.16	29/12/2015	10.43	Gas shortage	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
IPP	WPCL U-3	135	29/12/2015	05.56		Continued.	PA Fan problem	
MSPGCL	Koradi Unit-8	660	29/12/2015	11.42	29/12/2015	14.58	metal temperature high	
MSPGCL	Khaparkheda Unit 2	210	30/12/2015	02.56	30/12/2015	05.00	Bus Bar Protection Optd (220kv Bus Coupler Y-ph CT Burst)	
MSPGCL	Khaparkheda Unit 1	210	30/12/2015	02.56	30/12/2015	04.34	Bus Bar Protection Optd (220kv Bus Coupler Y-ph CT Burst)	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 30/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							
Dabhol Nagothane II	InterState	25/12/2015	02.30	29/12/2015	10.11	T	Over Voltage
Dabhol Newkoyna li	InterState	28/12/2015	10.58	29/12/2015	10.11	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	28/12/2015	17.11	29/12/2015	08.41	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/12/2015	17.18	29/12/2015	07.45	T	Over Voltage
Chakan Talegaon(Pg)	InterState	29/12/2015	08.24	29/12/2015	19.20	PO	Stringing work
Akola Aurangabad(PG) I	InterState	29/12/2015	11.20	30/12/2015	06.26	PO	commissioning of line /reator at aurangabad and bays amp works
Kolhapur Solapur (PG) II	InterState	29/12/2015	17.11	30/12/2015	06.37	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	29/12/2015	17.11	29/12/2015	17.28	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	29/12/2015	17.11		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFC 17.58 Hrs)
Akola II - Taptitanda ckt-I	IntraState	22/12/2015	12.15		Continued.	PO	change over & availed outage(RFC 17.20Hrs)
karad -kolhapur-II	IntraState	24/12/2015	15.57		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	24/12/2015	16.04	29/12/2015	11.07	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/12/2015	17.32	29/12/2015	07.02	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/12/2015	19.48	29/12/2015	10.16	HT	Over Voltage
Padghe - Nagothane - I	IntraState	29/12/2015	00.52	29/12/2015	08.02	HT	Over Voltage
Chandrapur2-Parali 2 ckt 2	IntraState	29/12/2015	08.39	29/12/2015	19.18	PO	Replacement work
Karad-Jaigad - I	IntraState	29/12/2015	16.07		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/12/2015	17.35	30/12/2015	06.23	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/12/2015	20.35		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
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	23/12/2015	15.55		Continued.	PO	Y & B Phase Unit replacement(For 10days)
400/220/33kv, 500 MVA ICT-I @Khaparkheda	IntraState	30/12/2015	02.56	30/12/2015	04.27	T	Bus Bar Protection Optd (220kv Bus Coupler Y-ph CT Burst)
400/220/33kv, 500 Mva lct-2 @Khaparkheda	IntraState	30/12/2015	02.56	30/12/2015	04.57	T	Bus Bar Protection Optd (220kv Bus Coupler Y-ph CT Burst)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari II	InterState	29/12/2015	08.35	29/12/2015	18.18	T	Insulator Replacement Work
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 - Ndil3	IntraState	14/11/2015	10.58		Continued.	PO	Strengthening work
Boisar(M) - Ghodbunder	IntraState	16/12/2015	08.29		Continued.	PO	Tower Erection and Stringing work
Wadkhal - lpc1 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Wadkhal - Ndil 2	IntraState	23/12/2015	10.55		Continued.	PO	Strengthening work
Trombay Carnac 6	IntraState	25/12/2015	19.19		Continued.	HT	Over Voltage
Halkarni-Mahalaxmiline	IntraState	29/12/2015	08.34	29/12/2015	17.45	PO	Cleaning of polluted insulator
220KV Theur- NandedCity	IntraState	29/12/2015	10.07	29/12/2015	13.26	PO	Dismantling of jumper on loc no 2
Uran - Apta IV	IntraState	29/12/2015	10.25	29/12/2015	11.32	PO	Mockdrill at uran

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 29/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 30/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Mahad - Posco	IntraState	29/12/2015	11.35	29/12/2015	19.30	PO	Earth wire replacement work
Vankuswade - Kdph	IntraState	29/12/2015	11.50	29/12/2015	14.55	PO	Replacement of R-phase
Bus 1 @ KhaparKheda	IntraState	30/12/2015	02.56	30/12/2015	04.27	T	Bus Bar Protection Optd (220kv Bus Coupler Y ph CT Burst)
Bus 2 @ khaparkheda	IntraState	30/12/2015	02.56	30/12/2015	04.57	T	Bus Bar Protection Optd (220kv Bus Coupler Y ph CT Burst)
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault