

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Dec/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.068	3684.221	1) Gujrat	-5.473	-63.327
2) Hydro	11.270	241.848	2) Madhya Pradesh	0.869	150.364
3) Gas	10.487	249.469	3) Chattisgarh	3.490	132.590
Total MSPGCL	141.825	4175.538	4) Maharashtra Net	64.030	2234.036
B) 1) APML	46.093	1429.995	5) Goa (Amona)	-0.586	-16.456
2) JSWEL	18.413	646.016	6) TAPS 1&2 Injection	3.664	107.486
3) VIPL	10.129	289.676	7) RGPPL Injection	6.341	189.090
4) RPL(AMT)	25.223	664.250	8) Pench (MS)	0.407	7.114
5) WPCL	5.602	161.742	9) Pench (Excess)	-0.407	-7.114
6) Other IPP	10.776	327.210	Total	71.928	2726.669
C) 1) TPCL Thermal	12.978	412.046	a) Mumbai Schedule	16.216	506.767
2) TPCL Hydro	4.183	80.244	b) Mumbai Drawl	19.459	646.465
3) TPCL Gas	3.569	96.837	c) MSEDCL Bilateral *	9.883	613.336
4) R-INFRA Thermal	9.938	300.814	Include PX	-12.787	-171.633
D) STATE			d) Mumbai Bilateral *	16.216	506.767
1) Thermal	259.220	7915.970	Include PX	-0.035	9.651
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	15.453	322.092	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	14.056	346.306	1) MSEDCL	322.623	10038.957
4) Wind	10.888	229.644	2) Mumbai Discoms	50.127	1536.392
6) SOLAR	1.205	34.682	TOTAL STATE	372.750	11575.349
TOTAL STATE	300.822	8848.694			

* 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 3 Hrs
MSPGCL Thermal	5183	5149	4946	4829
MSPGCL Hydro	1327	161	549	87
MSPGCL Gas	422	409	433	429
MSPGCL Total Generation	6932	5719	5928	5345
Central Sector Receipt	4389	4241	3612	1129
WIND	310	696	396	488
CPP / IPP	5220	5406	4745	4737
SOLAR	158	163	0	0
Exchange with Mumbai	-1057	-1129	-1010	-378
MSEDCL DEMAND MET	15952	15096	13671	11321
Load Shedding	13	13	12	10
MSEDCL DEMAND	15965	15109	13683	11331
TPCL GENERATION	1117	1054	1063	630
R-INFRA GENERATION	405	406	512	404
MUMBAI DEMAND	2579	2589	2585	1412
STATE DEMAND MET	18531	17685	16256	12733
STATE DEMAND	18544	17698	16268	12743
Frequency (Hz)	49.85	49.86	49.93	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 05.02 Hrs	49.57 Hz at 07.47 Hrs	49.9	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 30/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.88	84.94	125	114
Unit 6	0.00	0.00	0	0
Unit 7	3.84	92.55	175	145
Unit 8	8.92	270.78	525	227
Total	15.63	448.27		
Bhusawal				
Unit 2	4.06	104.65	180	140
Unit 3	4.16	123.62	180	165
Unit 4	9.81	310.62	420	400
Unit 5	9.95	301.98	420	400
Total	27.97	840.86		
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	2.97	89.91	129	121
Unit 3	4.07	128.37	178	160
Unit 4	4.21	130.59	186	165
Unit 5	0.00	244.75	0	0
Unit 6	9.22	165.11	395	367
Unit 7	9.93	294.88	424	405
Total	30.40	1053.61		
Paras				
Unit 3	4.57	139.87	201	181
Unit 4	4.64	140.71	206	185
Total	9.22	280.58		
Khaparkheda				
Unit 1	3.59	113.53	160	135
Unit 2	3.62	112.27	165	135
Unit 3	3.72	112.06	172	104
Unit 4	3.58	102.36	165	113
Unit 5	8.86	258.23	380	360
Total	23.38	698.46		
Nasik				
Unit 3	4.45	104.92	190	180
Unit 4	4.43	118.91	192	178
Unit 5	4.58	138.62	196	186
Total	13.46	362.44		
Uran				
All Units	10.49	249.47	475	409
Total	10.49	249.47		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.41	7.11	49	0
Total	0.41	7.11		
Koyna				
Stage 1-2	4.50	75.32	500	40
Stage 4	2.78	26.34	490	0
Stage 3	1.09	22.32	160	0
Total	8.36	123.99		
Hydro				
KDPH	0.00	14.42	0	0
VTRNA	0.60	16.89	61	0
TILLARI	0.12	2.90	61	0
BHTGR/VEER	0.05	1.38	2	2
BHIRA T.R.	0.14	4.56	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	0.72	22.96	31	30
GHATGHAR	1.28	37.08	250	0
Total	2.91	117.86		
Wind				
Total	10.89	229.64	0	0
Total	10.89	229.64		
CPP				
APML(Mus)	46.09	1430.00	0	0
JSWEL(Mus)	18.41	646.02	0	0
VIPL(Mus)	10.13	289.68	0	0
RPLAMT(Mus)	25.22	664.25	0	0
WPCL(Mus)	5.60	161.74	0	0
Other(Mus)	10.78	327.21	0	0
Total	116.24	3518.89		
SOLAR				
Total	1.20	34.68	0	0
Total	1.20	34.68		
Tata				
Trombay 5	7.89	255.40	442	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.14	57.49	115	62
Trombay 7B	1.42	39.35	68	49
Trombay 8	5.09	156.64	246	201
TATA Hydro	4.18	80.24	419	120
Total	20.73	589.13		
R-INFRA				
1-2	9.94	300.81	512	404
Total	9.94	300.81		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	120.07	3684.22
MSPGCL Thml+Gas	130.56	3933.69

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	11.27	241.85
MSPGCL Total	141.82	4175.54

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	7.27	101.67
State Total	300.82	8848.69

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	4822	187	438	5447	570	4731	0	1211	1358	-557	11549	18	11567	1594	13161	49.89
2	4823	72	428	5323	506	4736	0	1330	1156	-451	11270	10	11280	1483	12763	49.93
3	4829	87	429	5345	488	4737	0	1282	1129	-378	11321	10	11331	1412	12743	49.96
4	4854	77	427	5358	468	4750	0	1320	1383	-341	11618	10	11628	1376	13004	49.94
5	4860	77	436	5373	462	4749	0	1249	1579	-346	11817	10	11827	1380	13207	49.94
6	4916	204	449	5569	457	4712	0	2076	2200	-432	12506	13	12519	1467	13986	49.95
7	4973	317	456	5746	372	4723	1	3209	3026	-545	13323	13	13336	1588	14924	49.85
8	5048	993	460	6501	329	4793	11	4112	3929	-500	15063	13	15076	1779	16855	49.75
9	5139	1239	475	6853	207	4839	70	4472	4637	-707	15899	13	15912	2063	17975	49.84
10	5205	1384	451	7040	216	5072	99	4503	4490	-913	16004	13	16017	2395	18412	49.86
11	5183	1327	422	6932	310	5220	158	4525	4389	-1057	15952	13	15965	2579	18544	49.85
12	5159	804	418	6381	476	5383	174	4529	4456	-1119	15751	13	15764	2602	18366	49.86
13	5149	161	409	5719	696	5406	163	4495	4241	-1129	15096	13	15109	2589	17698	49.86
14	5154	72	416	5642	651	4974	166	4483	4130	-1116	14447	15	14462	2485	16947	49.91
15	5125	82	444	5651	648	4771	166	4152	4222	-1074	14384	12	14396	2500	16896	49.90
16	4977	467	411	5855	652	4736	123	3833	3970	-966	14370	12	14382	2491	16873	49.87
17	4943	483	422	5848	580	4733	57	3748	3755	-985	13988	12	14000	2498	16498	49.89
18	4881	287	430	5598	501	4719	17	3185	2935	-817	12953	12	12965	2490	15455	49.97
19	4946	549	433	5928	396	4745	0	3429	3612	-1010	13671	12	13683	2585	16268	49.93
20	4984	668	435	6087	329	4757	0	3695	3716	-1146	13743	12	13755	2512	16267	49.90
21	4985	578	441	6004	308	4750	0	2934	3003	-1140	12925	12	12937	2339	15276	49.94
22	5024	676	442	6142	424	4747	0	1707	1836	-1096	12053	12	12065	2156	14221	49.97
23	5041	349	463	5853	424	4735	0	1344	1348	-893	11467	12	11479	1957	13436	49.94
24	5048	130	452	5630	418	4717	0	1491	1428	-741	11452	12	11464	1807	13271	49.95
MUs	120.07	11.27	10.49	141.83	10.89	116.24	1.21	72.31	71.93	-19.46	322.62	0.30	322.92	50.13	373.05	49.90

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 30/Dec/2015

Position as on 6.30 Hrs of 31/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	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	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 30/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 31/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							
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
Dhule Sar'Sarovar I	InterState	29/12/2015	17.11	30/12/2015	08.06	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	29/12/2015	17.11	30/12/2015	06.37	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	30/12/2015	16.52		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	30/12/2015	17.35		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	30/12/2015	21.54		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	30/12/2015	09.56	HT	Over Voltage
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	30/12/2015	10.20	HT	Over Voltage
Koradi-Khaparkheda li	IntraState	30/12/2015	13.03		Continued.	PO	Shifted on TBC
karad -kolhapur-I	IntraState	30/12/2015	15.53		Continued.	HT	Over Voltage
Khadka- Deepnagar Ckt 1	IntraState	30/12/2015	18.29	30/12/2015	19.22	T	Bus bar operated
Koradi-Bhusawal	IntraState	30/12/2015	18.29	30/12/2015	19.13	T	Bus bar operated
Bhusawal-Aurangabad	IntraState	30/12/2015	18.29		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2015	21.26		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-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)
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 Kv 500 Mva Ict 1 @Lamboti	IntraState	30/12/2015	12.46	30/12/2015	13.40	PO	Isolator alignment work
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	30/12/2015	17.03	30/12/2015	17.41	T	220kv bus bar operated at kalwa
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	30/12/2015	18.29	30/12/2015	19.04	T	Bus bar operated
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari II	InterState	30/12/2015	08.45	30/12/2015	18.45	PO	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 - Ipcl 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
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)

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 30/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 31/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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)
Dahanu Ghodbunder Line 2	IntraState	30/12/2015	07.35	30/12/2015	10.11	PO	Attending Hot Spot
Halkarni-Mahalaxmiline	IntraState	30/12/2015	08.44	30/12/2015	19.09	PO	Insulator cleaning
Urse-Chinchwad	IntraState	30/12/2015	14.30		Continued.	PO	Shifted on TBC TO Attending Hot Spot
Main Bus I @ Kalwa	IntraState	30/12/2015	17.03	30/12/2015	17.39	T	220kv bus bar operated at kalwa
Kalwa - Siemens	IntraState	30/12/2015	17.03	30/12/2015	17.53	T	220kv bus bar operated at kalwa
Kalwa-Salsette-VI	IntraState	30/12/2015	17.03	30/12/2015	17.48	T	220kv bus bar operated at kalwa
Kalwa-Salsette-IV	IntraState	30/12/2015	17.03	30/12/2015	17.51	T	220kv bus bar operated at kalwa
Kalwa - Borivali	IntraState	30/12/2015	17.03	30/12/2015	19.05	T	220kv bus bar operated at kalwa
Kalwa - Mulund 1	IntraState	30/12/2015	17.03	30/12/2015	17.45	T	220kv bus bar operated at kalwa
Bus Coupler @ Kalwa	IntraState	30/12/2015	17.03	30/12/2015	17.53	T	220kv bus bar operated at kalwa
Kalwa - Colourchem	IntraState	30/12/2015	17.03	30/12/2015	17.39	T	220kv bus bar operated at kalwa
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault

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