

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 11/Dec/2015 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	125.410	1241.241	1) Gujrat	-2.380	12.687
2) Hydro	7.201	98.514	2) Madhya Pradesh	6.868	78.914
3) Gas	7.316	98.731	3) Chattisgarh	4.900	59.620
Total MSPGCL	139.927	1438.486	4) Maharashtra Net	83.327	908.287
B) 1) APLM	49.900	560.485	5) Goa (Amona)	-0.582	-5.956
2) JSWEL	22.673	247.458	6) TAPS 1&2 Injection	3.590	39.179
3) VIPL	5.496	109.726	7) RGPPL Injection	6.417	69.448
4) RPL(AMT)	20.778	234.299	8) Pench (MS)	0.256	2.476
5) WPCL	5.599	59.560	9) Pench (Excess)	-0.256	-2.476
6) Other IPP	11.183	121.504	Total	101.884	1159.703
C) 1) TPCL Thermal	14.182	161.075	a) Mumbai Schedule	20.044	221.372
2) TPCL Hydro	3.976	29.146	b) Mumbai Drawl	25.285	280.021
3) TPCL Gas	2.184	38.552	c) MSEDCL Bilateral *	26.198	284.298
4) R-INFRA Thermal	10.227	114.412	Include PX	-1.456	-8.554
D) STATE			d) Mumbai Bilateral *	20.044	221.372
1) Thermal	265.448	2849.760	Include PX	2.518	6.343
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	11.177	127.660	H) ENERGY CATERED (MUs)		
3) Gas	9.500	137.283	1) MSEDCL	340.171	3740.959
4) Wind	6.910	77.495	2) Mumbai Discoms	55.854	623.203
6) SOLAR	1.106	12.264	TOTAL STATE	396.025	4364.162
TOTAL STATE	294.141	3204.462			

* 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	5568	5452	5088	5099
MSPGCL Hydro	234	168	881	130
MSPGCL Gas	301	296	303	311
MSPGCL Total Generation	6103	5916	6272	5540
Central Sector Receipt	5104	4793	4484	3012
WIND	122	224	310	341
CPP / IPP	5780	5468	4593	4343
SOLAR	171	164	0	0
Exchange with Mumbai	-1252	-1334	-1378	-621
MSEDCL DEMAND MET	16028	15231	14281	12615
Load Shedding	19	19	13	15
MSEDCL DEMAND	16047	15250	14294	12630
TPCL GENERATION	1110	1109	939	609
R-INFRA GENERATION	516	462	403	400
MUMBAI DEMAND	2878	2905	2720	1630
STATE DEMAND MET	18906	18136	17001	14245
STATE DEMAND	18925	18155	17014	14260
Frequency (Hz)	49.97	49.93	49.92	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 00.00 Hrs	49.7 Hz at 18.11 Hrs	49.94	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 11/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.87	31.34	125	115
Unit 6	0.00	0.00	0	0
Unit 7	3.59	21.46	160	130
Total	6.46	52.80		
Bhusawal				
Unit 2	4.13	45.02	180	160
Unit 3	4.10	44.88	180	160
Unit 4	10.64	115.71	500	410
Unit 5	10.62	117.54	500	410
Total	29.50	323.16		
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	3.00	32.32	129	119
Unit 3	4.27	47.25	192	169
Unit 4	4.36	48.26	189	175
Unit 5	9.06	103.81	425	355
Unit 6	0.12	0.12	70	0
Unit 7	9.81	108.23	423	390
Total	30.62	339.98		
Paras				
Unit 3	5.05	53.99	234	164
Unit 4	5.40	48.94	252	210
Total	10.45	102.94		
Khaparkheda				
Unit 1	3.92	41.60	170	150
Unit 2	4.04	41.62	180	160
Unit 3	4.46	39.66	195	177
Unit 4	3.90	27.58	166	160
Unit 5	9.55	103.78	450	362
Total	25.86	254.24		
Nasik				
Unit 3	4.32	19.58	195	100
Unit 4	4.51	44.13	200	163
Unit 5	4.59	50.94	203	182
Total	13.42	114.65		
Uran				
All Units	7.32	98.73	316	290
Total	7.32	98.73		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.26	2.48	42	0
Total	0.26	2.48		
Koyna				
Stage 1-2	2.80	27.06	530	40
Stage 4	0.85	14.41	423	0
Stage 3	0.15	8.46	60	0
Total	3.80	49.94		
Hydro				
KDPH	0.44	6.83	19	18
VTRNA	0.58	6.04	61	0
TILLARI	0.00	1.93	0	0
BHTGR/VEER	0.06	0.49	3	2
BHIRA T.R.	0.20	1.47	40	0
RNGR+BHTSA	0.28	2.48	14	0
BHANDARDRA	0.47	5.45	46	10
ELDARY	0.24	1.54	11	9
SMLHY_PTN	0.72	8.07	38	27
GHATGHAR	0.40	14.28	125	0
Total	3.40	48.58		
Wind				
Total	6.91	77.50	0	0
Total	6.91	77.50		
CPP				
APML(Mus)	49.90	560.48	0	0
JSWEL(Mus)	22.67	247.46	0	0
VIPL(Mus)	5.50	109.73	0	0
RPLAMT(Mus)	20.78	234.30	0	0
WPCL(Mus)	5.60	59.56	0	0
Other(Mus)	11.18	121.50	0	0
Total	115.63	1333.03		
SOLAR				
Total	1.11	12.26	0	0
Total	1.11	12.26		
Tata				
Trombay 5	8.75	100.76	468	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.19	23.23	50	49
Trombay 7B	0.99	15.32	42	41
Trombay 8	5.43	60.32	251	198
TATA Hydro	3.98	29.15	375	9
Total	20.34	228.77		
R-INFRA				
1-2	10.23	114.41	518	400
Total	10.23	114.41		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	125.41	1241.24
MSPGCL Thml+Gas	132.73	1339.97

Koradi 8	9.12	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.20	98.51
MSPGCL Total	139.93	1438.49

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.65	41.48
State Total	294.14	3204.46

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 11/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	5113	120	316	5549	333	4313	0	4031	3574	-927	12842	19	12861	1934	14795	49.99
2	5003	130	312	5445	268	4324	0	3568	3581	-766	12852	10	12862	1771	14633	49.98
3	5048	125	311	5484	265	4317	0	3432	3378	-674	12770	15	12785	1681	14466	49.98
4	5099	130	311	5540	341	4343	0	3407	3012	-621	12615	15	12630	1630	14260	49.99
5	5089	125	312	5526	355	4459	0	3348	3425	-627	13138	15	13153	1636	14789	49.93
6	5095	366	312	5773	317	4561	0	3668	3666	-723	13594	19	13613	1734	15347	49.97
7	5133	771	313	6217	225	4704	2	4346	4560	-827	14881	19	14900	1896	16796	49.89
8	5372	794	314	6480	131	5269	11	4794	4608	-769	15730	55	15785	2030	17815	49.93
9	5457	312	310	6079	109	5614	61	5006	4868	-878	15853	19	15872	2344	18216	49.91
10	5483	237	306	6026	91	5726	101	5174	4999	-997	15946	19	15965	2616	18581	49.91
11	5568	234	301	6103	122	5780	171	5298	5104	-1252	16028	19	16047	2878	18925	49.97
12	5492	238	303	6033	183	5762	152	5356	5009	-1212	15927	19	15946	2911	18857	49.94
13	5452	168	296	5916	224	5468	164	5365	4793	-1334	15231	19	15250	2905	18155	49.93
14	5250	160	292	5702	289	5128	163	5372	5171	-1275	15178	22	15200	2748	17948	49.99
15	5177	187	297	5661	321	4843	153	5379	5411	-1318	15071	13	15084	2770	17854	49.95
16	5127	250	292	5669	388	4814	78	5324	5187	-1225	14911	13	14924	2731	17655	49.93
17	5163	174	290	5627	352	4840	37	5035	4827	-1289	14394	13	14407	2686	17093	49.92
18	5134	238	306	5678	305	4631	13	4192	4086	-1285	13428	13	13441	2677	16118	49.89
19	5088	881	303	6272	310	4593	0	4442	4484	-1378	14281	13	14294	2720	17014	49.92
20	5212	586	315	6113	364	4458	0	4573	4295	-1278	13952	13	13965	2647	16612	49.89
21	5260	186	290	5736	432	4432	0	4146	4149	-1247	13502	13	13515	2461	15976	49.93
22	5267	171	299	5737	469	4455	0	3600	3539	-1292	12908	13	12921	2314	15235	49.98
23	5205	202	308	5715	384	4427	0	3380	3126	-1114	12538	13	12551	2135	14686	49.93
24	5123	416	307	5846	332	4371	0	2911	3032	-977	12604	13	12617	1999	14616	49.96
MUs	125.4 1	7.20	7.32	139.93	6.91	115.63	1.11	105.15	101.88	-25.29	340.17	0.41	340.59	55.85	396.44	49.94

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 11/Dec/2015

Position as on 6.30 Hrs of 12/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	RPL(AMT) U-4	270	18/11/2015	11.48		Continued.	PA Fan problem	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	
MSPGCL	Chandrapur Unit 6	500	30/11/2015	20.01	11/12/2015	09.10	Turbine bearing Vabration high	
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	Chandrapur Unit 6	500	11/12/2015	11.05		Continued.	Turbine Vibration High.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 12/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							
Dhule Sar'Sarovar I	InterState	10/12/2015	18.10	11/12/2015	06.31	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	10/12/2015	22.09	11/12/2015	06.39	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	11/12/2015	17.14	12/12/2015	06.53	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	11/12/2015	22.14	12/12/2015	07.01	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 -kolhapur-I	IntraState	10/12/2015	16.24	11/12/2015	08.52	HT	Over Voltage
Karad-Jaigad - I	IntraState	10/12/2015	16.34	11/12/2015	09.03	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	10/12/2015	18.53	11/12/2015	06.23	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	10/12/2015	21.52	11/12/2015	08.26	HT	Over Voltage
Padghe - Kalwa-II	IntraState	11/12/2015	05.31	11/12/2015	08.58	EO	Hot Spot at Kalwa end
New Koyna -Koyna Stage IV-I	IntraState	11/12/2015	08.52		Continued.	PO	CVT Replacement Work.(RFC @ 22.30 Hrs)
TBC @ Bhusawal-II	IntraState	11/12/2015	10.04	11/12/2015	13.09	PO	Diagonistic Testing of Spare Reactor,Measurment of CB Timing & CRM,Measurment of Tandelta of CT's & CC's.
Babhaleshwar - Padghe-I	IntraState	11/12/2015	10.23	11/12/2015	22.27	PO	Insulator String Replacement Work (RFC 19.58 Hrs).
karad -kolhapur-II	IntraState	11/12/2015	16.05		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	11/12/2015	16.41		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	11/12/2015	17.16		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	11/12/2015	21.18		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
400/220KV 500MVA ICT 2@koradi 2	IntraState	02/12/2015	12.35		Continued.	T	Differential protection
220 KV LINE Outages/Trippings							
Boisar Tarapur	InterState	20/11/2015	06.05	11/12/2015	21.00	PO	String Work of M/C 0.4KM Between Boiser Gantry & Loc Noc1/A1(20 Days).
Nasik Navsari I	InterState	11/12/2015	09.31	11/12/2015	18.09	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 - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Kalwa-Salsette-IV	IntraState	14/11/2015	08.20	11/12/2015	19.12	PO	Conductor uprating work (35 days outage)
Boisar(M) - Ghodbunder	IntraState	20/11/2015	06.18	11/12/2015	17.00	PO	String Work ofM/C 0.4KM Between Boiser Gantry & Loc No.1/A1(20 Days).
Pophli Pedhmbe Line- 2	IntraState	11/12/2015	08.05	11/12/2015	18.35	PO	To Attend SF6 Leakage of Breaker.
Talandge-Hamidwada	IntraState	11/12/2015	08.09	11/12/2015	15.54	PO	Cleaning of Insulator String.
Parvati - Hybrid Pass	IntraState	11/12/2015	09.22	11/12/2015	17.35	HT	To Control Urse Chinchwad Loading.
Chandrapur GCR - Cpurryltss1	IntraState	11/12/2015	10.01	11/12/2015	14.28	PO	Measurment of Tandelta of CT's & CC's.
Bus section @ Kalwa	IntraState	11/12/2015	10.14	11/12/2015	13.51	PO	CT & Breaker Testing.

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 11/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 12/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nashik-Padgha	IntraState	11/12/2015	10.18	11/12/2015	13.32	HT	To Control Bblsr ICT Loading.
Apta - Taloja	IntraState	11/12/2015	10.19	11/12/2015	12.27	PO	CT Tan Delta Testing.
Hinjawadi I- Chinchwad	IntraState	11/12/2015	10.26	11/12/2015	15.42	HT	To Control Urse Chinchwad Loading.
Loteparshuram- Dasturi Line	IntraState	11/12/2015	10.55	11/12/2015	15.28	PO	CT Tan Delta Testing.
Purti-Bhugaon	IntraState	11/12/2015	12.00	11/12/2015	17.28	PO	Conversion of STN to DTN.
Dhule - Malegaon	IntraState	11/12/2015	13.05	11/12/2015	16.09	PO	To Attend Hot Spot & R.M.Work.
Taloja li - OCIL-II	IntraState	11/12/2015	13.22	11/12/2015	16.56	PO	LA Replacement.
Dasturi-Kandalgaon Line	IntraState	11/12/2015	15.40	11/12/2015	18.22	PO	Tree Cutting & Testing Work.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
132 KV LINE Outages/Trippings							
Jalna (220kv) - Badnapur	IntraState	10/12/2015	20.29	11/12/2015	02.47	T	Distance Protection

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