

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Nov/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.519	3388.201	1) Gujrat	1.043	55.233
2) Hydro	7.278	241.389	2) Madhya Pradesh	8.267	259.566
3) Gas	10.602	247.599	3) Chattisgarh	6.040	158.310
Total MSPGCL	138.399	3877.189	4) Maharashtra Net	81.811	2471.606
B) 1) APML	49.012	1476.293	5) Goa (Amona)	-0.604	-135.218
2) JSWEL	19.871	573.465	6) TAPS 1&2 Injection	3.523	98.663
3) VIPL	10.180	286.143	7) RGPPL Injection	5.894	15.118
4) RPL(AMT)	20.355	625.517	8) Pench (MS)	0.083	14.397
5) WPCL	4.017	135.578	9) Pench (Excess)	-0.083	-14.397
6) Other IPP	10.595	203.903	Total	105.891	2908.881
C) 1) TPCL Thermal	13.645	430.059	a) Mumbai Schedule	17.560	551.789
2) TPCL Hydro	2.052	64.437	b) Mumbai Drawl	23.737	735.316
3) TPCL Gas	4.201	99.572	c) MSEDCL Bilateral *	23.388	660.363
4) R-INFRA Thermal	10.011	297.056	Include PX	-0.863	-6.597
D) STATE			d) Mumbai Bilateral *	17.560	551.789
1) Thermal	258.205	7416.215	Include PX	1.120	69.180
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.330	305.826	H) ENERGY CATERED (MUs)		
3) Gas	14.803	347.171	1) MSEDCL	338.809	9617.373
4) Wind	3.358	235.707	2) Mumbai Discoms	53.646	1626.430
6) SOLAR	0.868	30.013	TOTAL STATE	392.455	11243.803
TOTAL STATE	286.564	8334.932			

* 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 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5161	5220	4997	4961
MSPGCL Hydro	412	251	870	132
MSPGCL Gas	433	426	440	453
MSPGCL Total Generation	6006	5897	6307	5546
Central Sector Receipt	5067	5155	4919	3220
WIND	34	43	153	128
CPP / IPP	5450	5290	4510	4313
SOLAR	148	139	0	0
Exchange with Mumbai	-991	-1055	-1263	-640
MSEDCL DEMAND MET	15714	15469	14626	12567
Load Shedding	15	15	10	11
MSEDCL DEMAND	15729	15484	14636	12578
TPCL GENERATION	1130	1114	885	696
R-INFRA GENERATION	517	464	402	401
MUMBAI DEMAND	2638	2633	2550	1737
STATE DEMAND MET	18352	18102	17176	14304
STATE DEMAND	18367	18117	17186	14315
Frequency (Hz)	49.93	49.99	49.99	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 05:03 Hrs	49.7 Hz at 15:45 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 28/Nov/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.19	19.09	150	114
Unit 6	0.00	0.00	0	0
Unit 7	0.89	81.20	150	0
Total	4.08	100.28		
Bhusawal				
Unit 2	4.16	93.31	180	165
Unit 3	4.25	93.94	185	170
Unit 4	10.56	300.32	500	410
Unit 5	10.80	296.58	510	420
Total	29.78	784.14		
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	86.70	132	123
Unit 3	4.20	107.64	180	168
Unit 4	4.21	121.48	181	172
Unit 5	8.97	250.00	380	365
Unit 6	9.46	263.90	405	379
Unit 7	9.95	275.05	425	391
Total	39.83	1104.77		
Paras				
Unit 3	5.32	137.88	230	209
Unit 4	5.43	134.94	265	213
Total	10.75	272.82		
Khaparkheda				
Unit 1	3.76	104.78	165	145
Unit 2	3.56	88.24	160	130
Unit 3	3.93	94.66	172	153
Unit 4	1.71	91.91	163	0
Unit 5	9.39	274.24	500	320
Total	22.34	653.82		
Nasik				
Unit 3	4.64	106.02	200	185
Unit 4	4.44	114.30	189	180
Unit 5	4.66	124.96	198	187
Total	13.74	345.28		
Uran				
All Units	10.60	247.60	457	422
Total	10.60	247.60		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.08	14.40	27	0
Total	0.08	14.40		
Koyna				
Stage 1-2	2.17	78.27	340	40
Stage 4	0.00	32.26	0	0
Stage 3	0.81	23.87	146	0
Total	2.98	134.40		
Hydro				
KDPH	0.88	16.65	37	36
VTRNA	0.51	13.93	61	0
TILLARI	0.00	0.76	0	0
BHTGR/VEER	0.02	0.91	1	0
BHIRA T.R.	0.19	3.55	77	0
RNGR+BHTSA	0.00	6.27	0	0
BHANDARDRA	0.46	12.28	20	19
ELDARY	0.00	1.02	0	0
SMLHY_PTN	0.77	16.37	39	29
GHATGHAR	1.46	35.26	250	0
Total	4.29	106.99		
Wind				
Total	3.36	235.71	0	0
Total	3.36	235.71		
CPP				
APML(Mus)	49.01	1476.29	0	0
JSWEL(Mus)	19.87	573.46	0	0
VIPL(Mus)	10.18	286.14	0	0
RPLAMT(Mus)	20.36	625.52	0	0
WPCL(Mus)	4.02	135.58	0	0
Other(Mus)	10.60	203.90	0	0
Total	114.03	3300.90		
SOLAR				
Total	0.87	30.01	0	0
Total	0.87	30.01		
Tata				
Trombay 5	8.50	275.15	466	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.63	60.08	115	89
Trombay 7B	1.57	39.49	68	58
Trombay 8	5.14	154.91	249	200
TATA Hydro	2.05	64.44	240	15
Total	19.90	594.07		
R-INFRA				
1-2	10.01	297.06	517	399
Total	10.01	297.06		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	120.52	3388.20
MSPGCL Thml+Gas	131.12	3635.80

Koradi 8	0.00	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.28	241.39
MSPGCL Total	138.40	3877.19

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.17	110.53
State Total	286.56	8334.93

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Nov/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	4993	132	451	5576	131	4318	0	4069	3858	-979	12904	16	12920	2079	14999	49.95
2	4983	127	452	5562	115	4308	0	3976	3552	-813	12724	11	12734	1914	14648	49.96
3	4963	132	451	5546	141	4310	0	3601	3324	-712	12609	11	12620	1810	14430	49.96
4	4961	132	453	5546	128	4313	0	3457	3220	-640	12567	11	12578	1737	14315	49.97
5	4969	142	453	5564	116	4319	0	4029	3487	-618	12868	11	12879	1717	14596	49.95
6	4964	152	454	5570	80	4356	0	4168	4083	-691	13398	15	13413	1788	15201	49.97
7	4937	217	457	5611	40	4650	0	4650	4551	-776	14076	15	14091	1847	15938	49.91
8	4967	410	454	5831	23	5112	10	4726	4794	-764	15006	15	15021	1920	16941	49.96
9	5095	306	432	5833	25	5206	43	4840	5194	-775	15526	15	15541	2106	17647	49.89
10	5154	393	445	5992	25	5403	111	4855	4501	-898	15134	15	15149	2373	17522	49.95
11	5135	382	437	5954	27	5435	126	4959	5068	-1043	15567	15	15582	2625	18207	49.93
12	5161	412	433	6006	34	5450	148	5047	5067	-991	15714	15	15729	2638	18367	49.93
13	5220	251	426	5897	43	5290	139	5061	5155	-1055	15469	15	15484	2633	18117	49.99
14	5131	132	437	5700	44	5135	115	5045	4833	-1099	14728	14	14742	2525	17267	49.98
15	4997	363	430	5790	45	5094	96	5076	5415	-1249	15191	10	15201	2507	17708	49.97
16	5010	514	433	5957	45	5137	55	5086	5219	-1202	15211	10	15221	2493	17714	49.91
17	5009	456	422	5887	41	4884	24	4894	4975	-1141	14670	10	14680	2460	17140	49.89
18	5025	681	440	6146	68	4466	1	4340	4564	-1154	14091	10	14101	2449	16550	49.95
19	4997	870	440	6307	153	4510	0	4745	4919	-1263	14626	10	14636	2550	17186	49.99
20	4962	341	444	5747	263	4743	0	5046	4895	-1340	14308	10	14318	2511	16829	49.99
21	4974	200	432	5606	393	4604	0	4519	4401	-1276	13728	10	13738	2397	16135	49.97
22	4967	194	427	5588	467	4357	0	4080	3688	-1175	12925	10	12935	2317	15252	49.97
23	4967	196	451	5614	459	4328	0	3711	3572	-1075	12898	10	12908	2174	15082	49.92
24	4978	143	448	5569	452	4304	0	3572	3556	-1008	12873	10	12883	2076	14959	49.98
MUs	120.5 2	7.28	10.60	138.40	3.36	114.03	0.87	107.55	105.89	-23.74	338.81	0.29	339.10	53.65	392.75	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 28/Nov/2015

Position as on 6.30 Hrs of 29/Nov/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	Koradi Unit-8	660	09/11/2015	01.07		Continued.	Coal mill 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	JSW (J) U2	300	20/11/2015	11.16	29/11/2015	17.39	No Schedule.	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	
MSPGCL	Khaparkheda Unit 4	210	26/11/2015	22.15	28/11/2015	12.07	Turbine Vibration High.	
MSPGCL	Koradi Unit 7	210	28/11/2015	06.46	29/11/2015	01.53	Air Pre Heater Problem.	
MSPGCL	Koradi Unit 7	210	29/11/2015	02.40	29/11/2015	04.08	vaccum draft problem	
MSPGCL	Uran Unit 8	108	29/11/2015	03.03	29/11/2015	06.06	boiler protecton operated	
MSPGCL	Uran Unit B0	120	29/11/2015	03.03	29/11/2015	08.04	boiler protection operated	
MSPGCL	Uran Unit 5	108	29/11/2015	14.45		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2015

Statement-VII

Position as on 6.30 Hrs of 29/Nov/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	27/11/2015	13.16	28/11/2015	06.25	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/11/2015	20.15	28/11/2015	07.08	HT	Over Voltage
Padgha Tarapur I	InterState	28/11/2015	10.03	28/11/2015	18.14	PO	R-phase LA replacement work
Dhule Sar'Sarovar I	InterState	28/11/2015	13.30	29/11/2015	08.56	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	28/11/2015	21.46	29/11/2015	08.30	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	29/11/2015	17.20		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	29/11/2015	17.23		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	20/11/2015	12.01		Continued.	PO	Testing Work,RFC @ 17.40 Hrs.
karad -kolhapur-II	IntraState	27/11/2015	16.35	28/11/2015	10.21	HT	Over Voltage
Karad - Jaigad - II	IntraState	27/11/2015	17.04	28/11/2015	10.54	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/11/2015	19.37	28/11/2015	07.49	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/11/2015	21.04	28/11/2015	09.38	HT	Over Voltage
Padghe - Nagothane - II	IntraState	28/11/2015	09.16		Continued.	PO	insulator replacement work RFC @ 20.06
karad -kolhapur-I	IntraState	28/11/2015	16.08	29/11/2015	10.00	HT	Over Voltage
Karad-Jaigad - I	IntraState	28/11/2015	16.43	29/11/2015	10.05	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/11/2015	18.04	29/11/2015	07.29	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/11/2015	21.07	29/11/2015	09.13	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	29/11/2015	08.35	29/11/2015	18.54	PO	Fixing of Spike type LA on Tower
karad -kolhapur-II	IntraState	29/11/2015	16.11		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/11/2015	16.16		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/11/2015	17.13		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/11/2015	21.35		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 500 MVA ICT-III @Kalwa	IntraState	28/11/2015	06.21	28/11/2015	10.01	PO	Attending Hot Spot
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	28/11/2015	17.07	28/11/2015	20.52	EO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Boisar Tarapur	InterState	20/11/2015	06.05		Continued.	PO	String Work of M/C 0.4KM Between Boiser Gantry & Loc Noc1/A1(20 Days).
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.
Wadkhali - 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		Continued.	PO	Conductor uprating work (35 days outage)
Boisar(M) - Ghodbunder	IntraState	20/11/2015	06.18		Continued.	PO	String Work ofM/C 0.4KM Between Boiser Gantry & Loc No.1/A1(20 Days).
Trombay Salsette 1 Backbay	IntraState	28/11/2015	08.25	28/11/2015	15.50	PO	conductor replacement work
Chalisingaon -Babhaleshwar	IntraState	28/11/2015	12.20	28/11/2015	17.15	PO	Removal of bunching
Kalwa 52B Interconnector CB	IntraState	28/11/2015	12.55	28/11/2015	12.59	HT	load flow study purpose

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 28/Nov/2015

Statement-VII

Position as on 6.30 Hrs of 29/Nov/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay Salsette 1 Backbay	IntraState	29/11/2015	07.33	29/11/2015	20.36	PO	Kalwa-Salsette-4 Conductor Repl.work
Kalwa - Mulund 1	IntraState	29/11/2015	07.50	29/11/2015	18.14	PO	Kalwa-Salsette-4 Conductor Repl.work
Kalwa - Borivali	IntraState	29/11/2015	08.08	29/11/2015	18.31	PO	Kalwa-Salsette-4 Conductor Repl.work
Kalwa-TIFIL	IntraState	29/11/2015	14.51	29/11/2015	16.55	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
220/33kV 100 MVA Transformer 4 @Aarey R/S	IntraState	28/11/2015	14.34	28/11/2015	15.53	EO	Attending Hot Spot
220/33kV 100 MVA Transformer 4 @Aarey R/S	IntraState	29/11/2015	11.35	29/11/2015	13.41	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Bableshwar - Sangamner	IntraState	28/11/2015	13.15	28/11/2015	17.25	PO	fixing of bird guard
Anjangaon - Akot	IntraState	29/11/2015	21.40	29/11/2015	22.54	T	B Phase PT Burst and caught Fire
Paras-Akot	IntraState	29/11/2015	21.40		Continued.	T	B Phase PT Burst and caught Fire

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