



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

27/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Nov/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.355	3066.264	1) Gujrat	3.003	77.250
2) Hydro	6.911	188.534	2) Madhya Pradesh	13.509	389.870
3) Gas	7.392	255.142	3) Chattisgarh	5.810	222.310
Total MSGENCO	141.658	3509.940	4) Maharashtra Net	82.480	2469.749
B) 1) JSW JAIGAD	25.954	681.842	(Incl. 765kV Solapur-Raichur)	-6.409	-281.006
2) WPCL	2.699	70.761	5) Goa	-6.190	-178.845
3) ADANI	55.570	1573.090	6) TAPS 1&2 Injection	3.623	95.858
4) Other CPP / IPP	22.687	546.846	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.878	159.696	8) Pench (Excess)	-0.698	-14.561
6) PENCH (MS)	0.698	14.561			
7) SOLAR	1.086	26.589	# Total Cent. Sector	101.537	3061.631
C) 1) TPCL Thermal	19.341	494.309	F) Other Exchanges		
2) TPCL Hydro	3.723	91.724	1) With TPCL (Excess)	-21.993	-644.234
TOTAL TPCL	23.064	586.033	G) Bilateral Power *		
3) REL Thermal	11.903	323.357	1) MSEDCL Bilateral	24.883	766.085
D) STATE			Include PX	-3.006	69.785
1) Thermal (A1+C1+C3)	158.599	3883.930	2) MUMBAI Bilateral	19.244	580.515
2) Hydro (A2+B6+C2)	11.332	294.819	Include PX	3.915	106.996
3) Gas (A3)	7.392	255.142	3) MUMBAI Schedule	19.244	581.060
4) Wind (B5)	3.878	159.696	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	106.910	2872.539	1) MSEDCL	333.774	9000.722
6) SOLAR (B7)	1.086	26.589	2) TPCL	34.561	938.513
TOTAL STATE	289.197	7492.715	3) REL	22.400	615.222
			TOTAL STATE	390.735	10554.457

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5668	5850	5086
MSGENCO Hydro	892	274	109
MSGENCO Gas	290	285	330
MSGENCO Total Generation	6850	6409	5525
Central Sector Receipt	4958	5085	3032
WIND	138	85	214
CPP / IPP	4642	4768	4118
SOLAR	206	134	0
Exchange with Mumbai	-1090	-1074	-584
MSEDCL DEMAND MET	15716	15453	12316
Load Shedding	63	61	55
MSEDCL DEMAND	15779	15514	12371
TPCL GENERATION	1294	1212	657
R-INFRA GENERATION	520	519	454
TPCL+R-INFRA DEMAND	2904	2805	1695
STATE DEMAND MET	18620	18258	14011
STATE DEMAND	18683	18319	14066
Frequency (Hz)	49.98	49.97	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 23:59 Hrs	49.54 Hz at 17:40 Hrs	49.99	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 27/Nov/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.46	83.15	150	139	130
Unit 7	3.46	96.69	166	130	140
Total	6.92	179.84			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.44	56.57	165	135	140
Unit 4	9.50	201.79	500	360	400
Unit 5	9.56	191.01	480	360	400
Total	22.50	449.37			940
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.55	96.37	160	140	145
Unit 6	5.09	124.40	250	191	190
Unit 7	4.12	123.68	250	0	190
Total	12.77	344.44			525
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.53	86.50	151	140	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.27	109.68	197	161	200
Unit 5	9.39	230.91	450	330	400
Unit 6	9.11	222.18	430	334	400
Unit 7	9.05	201.20	430	301	400
Total	35.35	892.96			1550
Paras					
Unit 3	4.87	125.46	256	185	180
Unit 4	4.85	123.22	244	187	180
Total	9.72	248.68			360
Khaparkheda					
Unit 1	4.08	101.42	195	150	180
Unit 2	3.87	98.60	180	140	180
Unit 3	4.66	109.74	207	184	185
Unit 4	4.70	108.88	203	190	185
Unit 5	10.23	225.62	500	385	420
Total	27.54	644.27			1150
Nasik					
Unit 3	4.22	110.30	205	165	190
Unit 4	4.14	100.63	178	167	190
Unit 5	4.19	95.76	195	164	190
Total	12.56	306.69			570
Uran					
All Units	7.39	255.14	330	285	320
Total	7.39	255.14			320
PENCH (MS)					
Pench (MS)	0.70	14.56	46	11	0
Total	0.70	14.56			0
Koyna					
Stage 1-2	2.39	58.56	530	40	600
Stage 4	0.57	19.08	188	0	250
Stage 3	0.69	17.39	236	0	240
Kovna 12&4 Total	2.96	77.65			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.65	95.04			1090
Hydro					
KDPH	0.44	5.32	19	18	18
VTRNA	1.05	25.55	61	0	61
TILLARI	0.38	9.46	62	0	62
BHTGR/VEER	0.08	2.10	4	3	3
BHIRA T.R.	0.26	5.18	81	0	80
RNGR+BHTSA	0.39	4.94	17	16	17
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.00	6.62	0	0	0
SMLHY PTN	0.55	17.16	29	20	12
GHATGHAR	0.12	16.36	90	0	0
Total	3.26	93.50			253
Wind					
MalharPeth	0.18	5.31			
Vankuswadi	0.41	10.83			
ATIT	0.04	1.14			
Kale	0.14	4.21			
Satara	2.27	85.44			
Shirala	0.21	6.49			
K Mahankal	0.01	0.38			
Supa	0.03	1.60			
Vita	0.44	18.61			
Dondaicha	0.00	11.36			
Sakri	0.00	1.76			
Nandurbar	0.02	4.90			
Khandke	0.08	3.72			
Khaparale	0.06	3.93			
Total	3.88	159.70			
CPP					
JSW JAIGAD	25.95	681.84	1188	980	1086
WARDHA	2.70	70.76	116	109	115
Adani	55.57	1573.09	2430	2070	2446
Other CPPs	22.69	543.32			745
Total	106.91	2869.01			4392
SOLAR					
Total	1.09	26.59			
Total	1.09	26.59			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.89	265.95	496	317	500
Trombay 6	0.00	78.16	0	0	0
Trombay 7A	2.40	67.71	115	81	120
Trombay 7B	1.50	40.84	68	55	60
Trombay 8	5.55	41.65	252	197	250
TATA Hydro	3.72	91.72	372	0	447
Total	23.06	586.03			1377
REL					
1&2	11.90	323.36	522	450	500
Total	11.90	323.36			500
Cent Sect					
Share					4767
Total					4767
MS PG CL	Thermal	127.36	3066.26		5365
	Thml+Gas	134.75	3321.41		5685
	Hydro	6.91	188.53		1343
	Total	141.66	3509.94		7028
State Total		289.20	7492.72		18064

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Nov/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5104	161	326	5591	125	4145	0	3565	3628	-664	-899	12617	85	12702	2012	14714	50.04
2	5102	161	328	5591	158	4125	0	3385	3365	-613	-732	12518	55	12573	1843	14416	50.09
3	5089	134	328	5551	190	4133	0	3078	3041	-578	-638	12288	55	12343	1743	14086	50.06
4	5086	109	330	5525	214	4118	0	3025	3032	-572	-584	12316	55	12371	1695	14066	50.01
5	5088	105	329	5522	224	4203	0	3246	3434	-572	-558	12851	56	12907	1668	14575	50.01
6	5104	99	320	5523	200	4412	0	4088	3651	-593	-631	13188	66	13254	1743	14997	49.97
7	5126	169	318	5613	201	4496	0	4469	4418	-618	-648	14113	81	14194	1896	16090	49.95
8	5474	234	317	6025	171	4593	22	4492	4790	-582	-547	15081	81	15162	2011	17173	49.96
9	5488	129	313	5930	124	4813	62	4512	4931	-703	-753	15127	76	15203	2251	17454	49.99
10	5499	352	309	6160	107	4771	104	4635	4684	-858	-864	14982	69	15051	2591	17642	49.94
11	5459	557	294	6310	117	4649	130	4756	5082	-980	-1063	15252	60	15312	2822	18134	49.97
12	5668	892	290	6850	138	4642	206	4837	4958	-1034	-1090	15716	63	15779	2904	18683	49.98
13	6050	574	289	6913	128	4670	136	4823	4711	-1018	-1107	15491	123	15614	2893	18507	49.92
14	5991	204	287	6482	115	4757	156	4767	4910	-955	-988	15478	69	15547	2752	18299	50.04
15	5850	274	285	6409	85	4768	134	4804	5085	-976	-1074	15453	61	15514	2805	18319	49.97
16	5310	760	290	6360	72	4747	89	4844	5004	-983	-1031	15284	59	15343	2817	18160	49.91
17	5316	547	290	6153	75	4737	42	4796	4826	-940	-1098	14775	61	14836	2817	17653	49.91
18	5239	188	297	5724	123	4478	5	4715	4421	-824	-1092	13692	64	13756	2774	16530	49.89
19	5053	273	302	5628	219	4441	0	4869	4937	-965	-1136	14116	67	14183	2839	17022	49.95
20	5095	309	303	5707	255	4384	0	4801	4527	-912	-1158	13749	69	13818	2755	16573	49.97
21	5083	231	310	5624	216	4248	0	4266	4434	-863	-1130	13423	64	13487	2567	16054	50.03
22	5043	161	310	5514	182	4216	0	3682	3391	-796	-1125	12218	62	12280	2394	14674	50.07
23	5057	158	312	5527	206	4185	0	3321	3208	-863	-1073	12086	62	12148	2241	14389	49.97
24	4981	130	315	5426	233	4179	0	3136	3069	-782	-974	11960	62	12022	2127	14149	50.07
MUs	127.36	6.91	7.39	141.66	3.88	106.91	1.09	100.91	101.54	-19.24	-21.99	333.77	1.62	335.40	56.96	392.36	49.99

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 27/Nov/2014

Position as on 6.30 Hrs of 28/Nov/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	
Parli Unit 7	250	27/11/2014	14.28	27/11/2014	17.53	Vaccum Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Nov/2014

Position as on 6.30 Hrs of 28/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work (for 5 Days)
Nasik - Navsari - II	27/11/2014	09.55	27/11/2014	18.04	Work at Navsari end
Tarapur-Boisor-II	27/11/2014	22.13	27/11/2014	22.14	Bhoisor-Ghodbandar line temporary covert to Tarapur-Bhoisor-II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	26/11/2014	17.08	27/11/2014	07.47	Over Voltage.
Dhule-Sar'Sarovar - I	26/11/2014	19.36	27/11/2014	06.02	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	27/11/2014	00.10	27/11/2014	07.37	Over Voltage.
Akola - Wardha - I	27/11/2014	11.28	27/11/2014	19.56	Line Crossing work
Akola - Wardha (PG) - II	27/11/2014	11.53	27/11/2014	20.06	Line Crossing work
Kolhapur - Mapusa - II	27/11/2014	17.15		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	27/11/2014	20.17	28/11/2014	06.48	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
New Koyna - Dabhol - I	05/11/2014	09.05	27/11/2014	10.15	Insulator washing, (RFC from 20.00Hrs)
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV 500 MVA ICT - I @ Warora	25/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder Of B Ph.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
400/220 KV 315 MVA ICT-II @ Lonikand	27/11/2014	08.30	27/11/2014	18.33	Oil Filtration and Maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Butibori - Khaperkheda	26/11/2014	05.35	27/11/2014	19.35	Stringing work,Koradi II-Wardha PG DC line.
Khaparkheda-Butibori 3	26/11/2014	05.38	27/11/2014	22.00	Stringing work,Koradi II-Wardha PG DC line.
Koradi-Butibori	26/11/2014	07.20	27/11/2014	11.05	Stringing work,Koradi II-Wardha PG DC line.
Baramati-Kurkumb	27/11/2014	10.25	27/11/2014	18.51	C&R Panel replacement work
Apta-HOC	27/11/2014	10.26	27/11/2014	15.58	CT Tan Delta and Testing work
Chikhali - Jalna - II	27/11/2014	10.30	27/11/2014	19.20	Balance Rectification work
Kanhan - Bhandara - I	27/11/2014	10.30	27/11/2014	16.26	Overhauling of Line and Aux.Bus Isolator
Pusad - Ghatodi	27/11/2014	12.08	27/11/2014	14.46	Hot Spot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Nov/2014

Position as on 6.30 Hrs of 28/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Talegaon PG - Aurangabad - II	27/11/2014	04.54	27/11/2014	11.00	To attend hot spot.
400/220KV 315 MVA ICT-II @ Talangade	27/11/2014	14.26	27/11/2014	20.02	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/11/2014	19.11	27/11/2014	11.15	Over Voltage.
Karad - Kolhapur - II	26/11/2014	16.09	27/11/2014	09.03	Over Voltage.
Karad-Jaigad I	26/11/2014	17.03	27/11/2014	09.23	Over Voltage.
Lonikand- Koyna Stage IV	27/11/2014	01.34	27/11/2014	06.39	Over Voltage.
Karad - Kolhapur - II	27/11/2014	17.13		Continued.	Over Voltage
Bhusawal- Aurangabad	27/11/2014	20.08		Continued.	Over Voltage
Karad-Jaigad I	27/11/2014	20.20		Continued.	Over Voltage
Lonikand- Koyna Stage IV	27/11/2014	20.34	28/11/2014	06.33	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
Karad Mudsingi-II	27/11/2014	12.45	27/11/2014	13.29	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	380
Unit 5	500	365
	1420	885
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	200
Unit 7	250	200
	1130	550
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	185
Unit 4	210	185
Unit 5	500	460
	1340	1190
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	252
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	1090
WARDHA	405	110
Adani	2640	2468
Other CPPs	300	745
	4545	4413
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5119
	3455	5119