



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.956	3197.220	1) Gujrat	1.851	79.101
2) Hydro	5.154	193.688	2) Madhya Pradesh	9.470	399.340
3) Gas	7.400	262.542	3) Chattisgarh	6.380	228.690
Total MSGENCO	143.510	3653.450	4) Maharashtra Net	87.659	2557.408
B) 1) JSW JAIGAD	26.333	708.175	(Incl. 765kV Solapur-Raichur)	-5.582	-286.588
2) WPCL	2.559	73.320	5) Goa	-5.875	-184.720
3) ADANI	45.040	1618.130	6) TAPS 1&2 Injection	3.608	99.466
4) Other CPP / IPP	23.873	570.719	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.143	163.839	8) Pench (Excess)	-0.396	-14.957
6) PENCH (MS)	0.396	14.957	# Total Cent. Sector	102.697	3164.328
7) SOLAR	1.146	27.735	F) Other Exchanges		
C) 1) TPCL Thermal	19.620	513.929	1) With TPCL (Excess)	-21.261	-665.495
2) TPCL Hydro	3.583	95.307	G) Bilateral Power *		
TOTAL TPCL	23.203	609.236	1) MSEDCL Bilateral	24.066	790.151
3) REL Thermal	11.990	335.347	Include PX	-4.270	65.515
D) STATE			2) MUMBAI Bilateral	22.798	603.313
1) Thermal (A1+C1+C3)	162.566	4046.496	Include PX	3.740	110.737
2) Hydro (A2+B6+C2)	9.133	303.952	3) MUMBAI Schedule	22.798	603.858
3) Gas (A3)	7.400	262.542	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.143	163.839	1) MSEDCL	328.436	9329.158
5) CPP/IPP (B1+B2+B3+B4)	97.805	2970.344	2) TPCL	34.090	972.603
6) SOLAR (B7)	1.146	27.735	3) REL	22.364	637.586
TOTAL STATE	282.193	7774.908	TOTAL STATE	384.890	10939.347

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5735	6055	5082
MSGENCO Hydro	601	198	98
MSGENCO Gas	295	298	318
MSGENCO Total Generation	6631	6551	5498
Central Sector Receipt	5535	5356	3205
WIND	162	76	304
CPP / IPP	4066	4062	3753
SOLAR	168	136	0
Exchange with Mumbai	-1071	-1080	-582
MSEDCL DEMAND MET	15534	15101	12189
Load Shedding	64	63	54
MSEDCL DEMAND	15598	15164	12243
TPCL GENERATION	1284	1182	659
R-INFRA GENERATION	523	520	451
TPCL+R-INFRA DEMAND	2878	2782	1692
STATE DEMAND MET	18412	17883	13881
STATE DEMAND	18476	17946	13935
Frequency (Hz)	49.80	49.97	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 00.00 Hrs	49.57 Hz at 12.10 Hrs	49.94	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 28/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	3.65	86.80	165	140	140
Unit 7	3.80	100.50	175	144	150
Total	7.45	187.29			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.40	59.96	160	130	140
Unit 4	10.34	212.12	500	365	380
Unit 5	9.86	200.88	500	365	365
Total	23.60	472.97			885
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.58	99.94	155	142	150
Unit 6	5.07	129.47	250	192	200
Unit 7	5.10	128.78	250	188	200
Total	13.75	358.19			550
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.39	89.89	147	137	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.39	114.08	195	162	190
Unit 5	9.50	240.40	450	365	400
Unit 6	9.31	231.49	430	346	400
Unit 7	9.04	210.24	443	314	400
Total	35.63	928.59			1540
Paras					
Unit 3	4.77	130.24	243	184	180
Unit 4	4.63	127.85	207	181	180
Total	9.40	258.08			360
Khaparkheda					
Unit 1	4.22	105.65	195	155	180
Unit 2	4.01	102.62	185	150	180
Unit 3	4.81	114.55	212	165	185
Unit 4	4.78	113.67	206	191	185
Unit 5	10.72	236.34	500	400	460
Total	28.54	672.81			1190
Nasik					
Unit 3	4.26	114.55	205	165	190
Unit 4	4.18	104.82	181	170	190
Unit 5	4.15	99.91	190	162	190
Total	12.59	319.28			570
Uran					
All Units	7.40	262.54	321	290	320
Total	7.40	262.54			320
PENCH (MS)					
Pench (MS)	0.40	14.96	44	0	
Total	0.40	14.96			
Koyna					
Stage 1-2	1.34	59.90	175	40	600
Stage 4	0.00	19.08	0	0	250
Stage 3	0.32	17.71	110	0	240
Kovna 12&4 Total	1.34	78.99			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.66	96.70			1090
Hydro					
KDPH	0.46	5.78	19	19	18
VTRNA	1.06	26.62	61	0	61
TILLARI	0.39	9.85	64	0	62
BHTGR/VEER	0.08	2.18	4	3	4
BHIRA T.R.	0.10	5.28	77	0	80
RNGR+BHTSA	0.00	4.94	0	0	15
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.00	6.62	0	0	0
SMLHY PTN	0.91	18.07	46	35	12
GHATGHAR	0.50	16.86	150	0	0
Total	3.49	96.99			252
Wind					
MalharPeth	0.22	5.53			
Vankuswadi	0.40	11.22			
ATIT	0.05	1.19			
Kale	0.24	4.45			
Satara	2.47	87.91			
Shirala	0.21	6.70			
K Mahankal	0.01	0.39			
Supa	0.01	1.62			
Vita	0.45	19.06			
Dondaicha	0.00	11.36			
Sakri	0.00	1.76			
Nandurbar	0.00	4.90			
Khandke	0.04	3.76			
Khaparale	0.05	3.98			
Total	4.14	163.84			
CPP					
JSW JAIGAD	26.33	708.18	1193	973	1090
WARDHA	2.56	73.32	110	104	110
Adani	45.04	1618.13	2420	1690	2468
Other CPPs	23.87	567.19			745
Total	97.80	2966.81			4413
SOLAR					
Total	1.15	27.74			
Total	1.15	27.74			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.10	276.05	497	318	500
Trombay 6	0.00	78.16	0	0	0
Trombay 7A	2.45	70.16	115	80	120
Trombay 7B	1.51	42.35	68	56	60
Trombay 8	5.55	47.20	253	200	250
TATA Hydro	3.58	95.31	384	0	447
Total	23.20	609.24			1377
REL					
1&2	11.99	335.35	523	450	500
Total	11.99	335.35			500
Cent Sect					
Share					5119
Total					5119
MS PG CL	Thermal	130.96	3197.22		5385
	Thml+Gas	138.36	3459.76		5705
	Hydro	5.15	193.69		1342
	Total	143.51	3653.45		7047
State Total		282.19	7774.91		18456

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	5052	103	317	5472	281	4201	0	3408	3232	-770	-850	12336	84	12420	1975	14395	50.00
2	5063	98	318	5479	288	3800	0	3226	3307	-732	-701	12173	54	12227	1812	14039	50.01
3	5082	98	318	5498	304	3753	0	3150	3205	-707	-582	12189	54	12243	1692	13935	50.02
4	5086	107	319	5512	310	3762	0	3132	3170	-689	-520	12255	54	12309	1636	13945	49.96
5	5096	97	320	5513	331	4037	0	3123	3168	-689	-517	12553	55	12608	1627	14235	49.96
6	5210	107	320	5637	341	4463	0	3795	3608	-716	-585	13486	66	13552	1721	15273	49.98
7	5363	123	320	5806	309	4524	1	4595	4187	-713	-541	14330	71	14401	1850	16251	49.89
8	5449	228	321	5998	253	4644	21	4779	4829	-675	-459	15327	71	15398	1959	17357	49.86
9	5487	181	318	5986	135	4712	76	4844	4316	-780	-732	14534	67	14601	2212	16813	49.93
10	5474	308	308	6090	121	4422	111	4994	4855	-981	-905	14735	61	14796	2564	17360	49.84
11	5500	440	299	6239	116	4109	150	5143	5144	-1144	-988	14813	60	14873	2821	17694	49.80
12	5735	601	295	6631	162	4066	168	5239	5535	-1209	-1071	15534	64	15598	2878	18476	49.80
13	6056	346	290	6692	143	4047	167	5217	4728	-1193	-1088	14692	124	14816	2879	17695	49.83
14	6069	163	299	6531	108	4027	175	5149	5188	-1178	-1041	14988	71	15059	2745	17804	50.01
15	6055	198	298	6551	76	4062	136	5142	5356	-1175	-1080	15101	63	15164	2782	17946	49.97
16	5606	318	290	6214	63	4057	99	5137	5438	-1164	-1048	14823	61	14884	2814	17698	49.91
17	5512	296	291	6099	63	3882	38	5068	5069	-1118	-962	14189	61	14250	2740	16990	49.87
18	5367	159	299	5825	102	3795	4	4871	4686	-1096	-1145	13267	65	13332	2800	16132	49.93
19	5447	237	303	5987	141	4030	0	5172	5033	-1175	-1156	14035	68	14103	2847	16950	49.99
20	5427	233	306	5966	143	4033	0	4784	4661	-1108	-1056	13747	73	13820	2766	16586	49.95
21	5439	233	311	5983	109	3890	0	4305	4180	-993	-1091	13071	67	13138	2578	15716	49.99
22	5465	162	310	5937	93	3864	0	3425	3533	-971	-1092	12345	62	12407	2407	14814	50.01
23	5484	159	314	5957	82	3815	0	3138	3165	-947	-1065	11997	62	12059	2246	14305	49.93
24	5432	159	316	5907	69	3810	0	3039	3104	-875	-986	11916	62	11978	2103	14081	50.00
MUs	130.96	5.15	7.40	143.51	4.14	97.80	1.15	103.88	102.70	-22.80	-21.26	328.44	1.60	330.04	56.45	386.49	49.94

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 28/Nov/2014

Position as on 6.30 Hrs of 29/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.	
Uran Unit 7	108	17/11/2014	17.16		Continued.	Gas Shortage	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
Uran Unit B0	120	26/11/2014	00.25		Continued.	Gas Shortage	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2014

Position as on 6.30 Hrs of 29/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II at Bhoisor PG	28/11/2014	10.00	28/11/2014	18.27	DGA of Bushing
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work (for 5 Days)
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Khandwa-II	28/11/2014	14.38	28/11/2014	21.40	Emergency outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	27/11/2014	17.15	28/11/2014	07.48	Over Voltage
Dhule-Sar'Sarovar - I	27/11/2014	20.17	28/11/2014	06.48	Over Voltage
Kolhapur-Mapusa-II	28/11/2014	16.39		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	28/11/2014	23.50		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	28/11/2014	07.12		Continued.	Distance protection
Kolhapur - Mapusa - I	28/11/2014	11.32	28/11/2014	12.52	Distance Protection
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.
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.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
Kalwa-Kharghar	28/11/2014	08.21	28/11/2014	18.36	Insulator Replacement
Main Bus A with BC at Kharghar	28/11/2014	08.26	28/11/2014	18.22	Rotary Insulator Repl.and Testing work
400/220KV,315MVA ICT-I at Karad	28/11/2014	10.30	28/11/2014	21.10	PRV B Phase operated
Deepnagar-Tapitatanda	28/11/2014	10.31	28/11/2014	18.16	Hot Spot
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.
Vasai - Bhoisor (PGCIL)	28/11/2014	09.12	28/11/2014	19.52	Insulator replacement work
Apta-Taloja	28/11/2014	10.18	28/11/2014	14.06	Bus Jumper replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315 MVA ICT-II @ Padgha	28/11/2014	12.27	28/11/2014	18.24	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	27/11/2014	17.13	28/11/2014	08.52	Over Voltage
Bhusawal- Aurangabad	27/11/2014	20.08	29/11/2014	06.44	Over Voltage
Karad-Jaigad I	27/11/2014	20.20	28/11/2014	08.46	Over Voltage
Lonikand- Koyna Stage IV	27/11/2014	20.34	28/11/2014	06.33	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2014

Position as on 6.30 Hrs of 29/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	28/11/2014	20.12		Continued.	Over Voltage
Karad-Kolhapur-II	28/11/2014	21.22		Continued.	Over Voltage
Lonikand- Koyna Stage IV	28/11/2014	21.50	29/11/2014	06.32	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	28/11/2014	15.44		Continued.	Y Phase Bushing Heavy Oil Leakage
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	160
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	440
Unit 5	500	400
	1420	980
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	205
Unit 7	250	205
	1130	560
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	190
Unit 4	250	190
	500	380
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	185
Unit 5	500	460
	1340	1205
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	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
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	1728
Other CPPs	300	745
	4545	3673
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	5243
	3455	5243

	21940	7 of 7	18000
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