



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.722	2788.284	1) Gujrat	7.206	239.892
2) Hydro	13.722	499.705	2) Madhya Pradesh	20.266	526.998
3) Gas	9.032	252.162	3) Chattisgarh	11.900	317.860
Total MSGENCO	119.476	3540.151	4) Maharashtra	91.909	2289.256
B) 1) JSW JAIGAD	19.693	529.863	5) Goa	-5.593	-152.981
2) WPCL	7.189	179.116	6) TAPS 1&2 Injection	3.717	197.051
3) ADANI	32.580	916.210	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	6.634	245.297	8) Pench (Excess)	-0.552	-12.980
5) Wind Generation	10.057	116.274	# Total Cent. Sector	128.853	3405.096
6) PENCH (MS)	0.552	12.980	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.642	-494.801
1) TPCL Thermal	20.584	562.157	G) Bilateral Power *		
2) TPCL Hydro	5.694	118.335	1) MSEDCL Bilateral	32.480	868.804
TOTAL TPCL	26.278	680.492	Include PX	4.435	129.873
3) REL Thermal	12.272	317.043	2) MUMBAI Bilateral	19.901	507.965
D) STATE			Include PX	6.909	168.225
1) Thermal (A1+C1+C3)	129.578	3667.484	3) MUMBAI Schedule	19.901	513.192
2) Hydro (A2+B5+C2)	19.968	631.020	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.032	252.162	1) MSEDCL	306.392	8450.186
4) Wind (B4)	10.057	116.274	2) TPCL	37.084	971.930
5) CPP (B1+B2+B3)	66.096	986.856	3) REL	20.106	520.113
TOTAL STATE	234.731	5653.796	TOTAL STATE	363.582	9942.229

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4010	3947	3946
MSGENCO Hydro	450	1556	109
MSGENCO Gas	329	442	300
MSGENCO Total Generation	4789	5945	4355
Central Sector Receipt	6855	5474	4523
WIND	566	237	289
CPP / IPP	2832	2758	3028
Exchange with Mumbai	-1054	-989	-362
MSEDCL DEMAND MET	14008	13471	11833
Load Shedding	765	538	169
MSEDCL DEMAND	14773	14009	12002
TPCL GENERATION	1297	1328	866
R-INFRA GENERATION	520	519	522
TPCL+R-INFRA DEMAND	2871	2836	1750
STATE DEMAND MET	16879	16307	13583
STATE DEMAND	17644	16845	13752
Frequency (Hz)	50.07	49.96	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 05:59 Hrs	49.59 Hz at 19:28 Hrs	50	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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.78	64.86	147	75	120
Unit 6	1.34	69.92	123	0	120
Unit 7	3.12	94.60	158	105	140
Total	7.23	229.39			380
Bhusawal					
Unit 2	3.50	91.36	155	130	150
Unit 3	3.48	97.87	155	130	150
Unit 4	0.00	69.44	0	0	0
Unit 5	2.21	2.21	180	0	0
Total	9.19	260.88			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	70.21	0	0	0
Unit 5	3.79	101.52	175	137	170
Unit 6	4.07	88.57	184	147	160
Unit 7	4.11	91.72	182	152	160
Total	11.97	352.02			490
Chandrapur					
Unit 1	3.12	66.64	144	111	150
Unit 2	3.23	86.45	155	112	150
Unit 3	4.01	105.47	191	133	190
Unit 4	4.45	108.36	207	158	210
Unit 5	0.00	0.00	0	0	0
Unit 6	10.00	241.76	440	338	425
Unit 7	1.85	184.58	321	0	0
Total	26.65	793.26			1125
Paras					
Unit 3	4.28	112.19	209	126	200
Unit 4	5.06	135.55	235	192	200
Total	9.34	247.75			400
Khaparkheda					
Unit 1	0.00	60.17	0	0	0
Unit 2	2.54	84.72	150	75	160
Unit 3	3.68	91.31	178	128	180
Unit 4	3.93	111.32	180	151	160
Unit 5	8.89	223.69	445	290	450
Total	19.04	571.22			950
Nasik					
Unit 3	4.52	104.46	195	170	190
Unit 4	4.32	108.68	193	164	190
Unit 5	4.45	120.62	193	173	190
Total	13.29	333.76			570
Uran					
All Units	9.03	252.16	471	295	300
Total	9.03	252.16			300
PENCH (MS)					
Pench (MS)	0.55	12.98	47	0	0
Total	0.55	12.98			0
Koyna					
Stage 1-2	4.05	140.03	580	40	600
Stage 4	4.94	209.00	966	0	250
Stage 3	1.77	74.30	240	0	320
Kovna 12&4 Total	9.00	349.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.76	423.32			1170
Hydro					
KDPH	0.45	11.59	19	18	36
VTRNA	0.00	0.17	0	0	0
TILLARI	0.26	5.50	60	0	60
BHTGR/VEER	0.11	1.87	5	4	4
BHIRA T.R.	0.36	6.81	41	0	40
RNGR+BHTSA	0.38	10.81	16	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.67	16.74	36	25	10
GHATGHAR	0.73	22.90	250	0	0
Total	2.96	76.38			165
Wind					
MalharPeth	0.30	6.25			
Vankuswadi	0.69	10.91			
ATIT	0.08	2.35			
Kale	0.24	3.72			
Satara	3.66	40.62			
Shirala	0.30	3.82			
K Mahankal	0.04	1.99			
Supa	0.12	1.80			
Vita	1.49	15.33			
Dondaicha	1.81	15.28			
Sakri	0.26	1.89			
Nandurbar	0.14	1.29			
Khandke	0.48	6.33			
Khaparale	0.44	4.69			
Total	10.06	116.27			
CPP					
JSW JAIGAD	19.69	529.86	895	707	812
WARDHA	7.19	179.12	304	293	320
Adani	32.58	916.21	1800	1200	1841
Other CPPs	6.63	240.52			
Total	66.10	1865.71			2973
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.51	302.07	501	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.88	60.27	110	60	120
Trombay 7B	1.33	39.48	66	48	60
Trombay 8	5.87	160.34	252	201	250
TATA Hydro	5.69	118.34	459	0	447
Total	26.28	680.49			1377
REL					
1&2	12.27	317.04	523	422	500
Total	12.27	317.04			500
Cent Sect					
Share					5609
Total					5609

MS PG CL	Thermal	96.72	2788.28			4215
	Thml+Gas	105.75	3040.45			4515
	Hydro	13.72	499.70			1335
	Total	119.48	3540.15			5850
State Total		234.73	5653.80			16309

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Nov/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3880	135	299	4314	309	2524	4917	5387	-751	-680	11854	124	11978	2074	14052	50.03
2	3872	110	299	4281	360	2669	4911	4955	-660	-482	11783	151	11934	1870	13804	50.02
3	3908	109	299	4316	317	2847	4816	4813	-641	-410	11883	163	12046	1799	13845	50.03
4	3946	109	300	4355	289	3028	4811	4523	-635	-362	11833	169	12002	1750	13752	50.07
5	3930	149	303	4382	221	3127	4821	4579	-634	-372	11940	208	12148	1760	13908	49.96
6	3855	285	305	4445	265	3046	5117	5137	-616	-434	12482	500	12982	1818	14800	50.02
7	4020	407	303	4730	315	2796	5095	5399	-604	-521	12743	970	13713	1916	15629	49.97
8	4109	849	305	5263	355	2630	4897	5307	-457	-341	13237	969	14206	2035	16241	49.91
9	4131	1116	300	5547	315	2711	5065	5306	-578	-502	13390	910	14300	2281	16581	49.93
10	4097	1452	295	5844	426	2745	5414	5420	-809	-727	13730	700	14430	2587	17017	49.99
11	4094	965	319	5378	540	2845	5817	6339	-1049	-967	14161	666	14827	2800	17627	50.03
12	4010	450	329	4789	566	2832	6092	6855	-1065	-1054	14008	765	14773	2871	17644	50.07
13	3951	523	425	4899	468	2834	6011	6421	-1033	-1034	13609	903	14512	2867	17379	49.94
14	3872	571	423	4866	378	2820	5736	6328	-959	-988	13430	821	14251	2787	17038	49.98
15	3870	1270	434	5574	335	2809	5612	6144	-926	-978	13924	642	14566	2823	17389	49.94
16	3929	1976	433	6338	260	2782	5498	5661	-935	-989	14099	556	14655	2846	17501	49.99
17	3947	1556	442	5945	237	2758	5456	5474	-966	-989	13471	538	14009	2836	16845	49.96
18	4067	515	452	5034	242	2719	5062	4806	-957	-957	11890	730	12620	2787	15407	49.92
19	4060	472	452	4984	342	2699	5109	5374	-1069	-951	12475	557	13032	2728	15760	50.00
20	4175	226	457	4858	590	2613	5185	5242	-995	-948	12402	450	12852	2751	15603	49.96
21	4321	156	459	4936	715	2619	5034	5025	-973	-896	12439	235	12674	2564	15238	50.07
22	4282	113	461	4856	708	2585	4955	5062	-923	-1121	12102	124	12226	2373	14599	50.11
23	4206	104	467	4777	737	2531	4611	4754	-857	-1056	11769	77	11846	2216	14062	49.99
24	4190	104	471	4765	767	2527	4467	4542	-809	-883	11738	79	11817	2053	13870	50.05
MUs	96.72	13.72	9.03	119.48	10.06	66.10	124.51	128.85	-19.90	-18.64	306.39	12.01	318.40	57.19	375.59	50.00

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/2013

Position as on 6.30 Hrs of 29/Nov/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Cent_Sect Tarapur 2	160	24/11/2013	20.42		Continued.	Maint.work.	13/12/2013
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Bhusawal Unit 5	500	18/10/2013	15.16	28/11/2013	5:59	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D Fan Problem	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Parli Unit 4	210	20/11/2013	16.30		Continued.	C.T.L.	
Uran Unit 7	108	21/11/2013	17.43	28/11/2013	12.00	Gas Shortage	
Khaparkheda Unit 1	210	24/11/2013	12.20		Continued.	Coal Shortage	
CPP INDIABULLS	270	25/11/2013	00:00		Continued.	Non-availability of coal	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
Chandrapur Unit 7	500	25/11/2013	21.39	28/11/2013	15.49	BLR T/L.	
CPP Adani U-3	660	27/11/2013	16.41	28/11/2013	00.58	Generator Prot.Operated	
Koradi Unit 6	210	28/11/2013	12.30		Continued.	Poor Bunkering	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2013

Position as on 6.30 Hrs of 29/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik - Navsari - II	28/11/2013	10.24	28/11/2013	19.47	Providing repair Sleeve for damaged Conductor
Mudshingi-Chikodi	28/11/2013	15.25	28/11/2013	20.36	Outage at Chikodi end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	21/11/2013	16.53		Continued.	H/T TO CONTROL WARDHA FLOWAGATE
Kolhapur-Solapur (PG) II	25/11/2013	16.12		Continued.	over voltage
Parly - Solapur (PGCIL) - I	26/11/2013	01.41		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/11/2013	16.38		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	28/11/2013	01.09	28/11/2013	07.42	Over Voltage
Kolhapur-Mapusa-II	28/11/2013	16.15		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	29/11/2013	00.52		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	20/11/2013	18.17		Continued.	To control O/L.
Voltage Level : 220KV			Outage Type TRIPPED		
Talegaon Ambi - Talegaon(PG)	28/11/2013	15.19	29/11/2013	01.02	R Phase CT Burst at Ambi end
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220 KV 300 MVA ICT-I @ Koradi	18/11/2013	10.03		Continued.	Replacement of R Ph.Unit
TBC at Dhule	25/11/2013	12.50	28/11/2013	14.20	CB Overhauling & Testing work.
Lonikand - Parli - I	25/11/2013	13.30		Continued.	Lilo work of 400KV PRL-LNKND 1 & at 400KV LNKND II.Up to 29.11.2013
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
400/132KV 200 MVA ICT-I @ Bhusawal	27/11/2013	16.25		Continued.	Oil Filtration
400/220 KV 500 MVA ICT - II @ Jejuri	28/11/2013	06.16	28/11/2013	23.34	Testing work
Newkoyna - Jaigad - I	28/11/2013	10.44	28/11/2013	16.59	Hot Spot(Taken on TBC)
Main Bus-I at Indiabull	28/11/2013	14.31	28/11/2013	17.27	Isolator Alignment Problem
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Pophali - Pedambe - II	28/11/2013	08.05	28/11/2013	16.35	P.M.Maint.
Babaleshwar - Alephata	28/11/2013	08.55	28/11/2013	19.40	Replacement of CT
Aarey-Versova	28/11/2013	09.00	28/11/2013	17.21	A.M.Work
Lonikand-Bhosari	28/11/2013	09.16	28/11/2013	20.24	Replacement of CT
Dhamangaon - Badnera	28/11/2013	10.10	28/11/2013	17.30	Replacement of Faulty Disc Insulator
Kalwa - Siemens	28/11/2013	14.30	28/11/2013	17.13	Hot Spot
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS PRESSURE LOW
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2013

Position as on 6.30 Hrs of 29/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/11/2013	17.04	28/11/2013	10.47	Over Voltage
Karad-Jaigad I	27/11/2013	21.25	28/11/2013	09.01	Over Voltage
Bhusawal- Aurangabad	28/11/2013	17.47		Continued.	Over Voltage
Karad-Jaigad I	28/11/2013	23.15		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
Dabhol - Nagothane - I	24/11/2013	16.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Urse-II -Talegaon	28/11/2013	15.19	28/11/2013	16.16	R Phase CT Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	0
Unit 7	210	143
	620	273
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	165
Unit 7	250	160
	1130	475
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	0
Unit 6	500	430
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	180
Unit 4	210	190
Unit 5	500	450
	1340	980
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	470
	852	470
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	148
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	821
WARDHA	405	300
Adani	1980	1851
Other CPPs	300	
	3885	2972
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	5841
	3455	5841