



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Sep/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.609	2682.516	1) Gujrat	8.832	237.339
2) Hydro	5.018	378.105	2) Madhya Pradesh	21.090	552.108
3) Gas	11.676	304.923	3) Chattisgarh	10.560	284.670
Total MSGENCO	104.303	3365.544	4) Maharashtra	57.316	1845.265
B) 1) JSW JAIGAD	19.937	593.523	5) Goa	-4.497	-152.209
2) WPCL	7.749	216.146	6) TAPS 1&2 Injection	7.437	214.009
3) ADANI	26.950	746.350	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.480	356.947	8) Pench (Excess)	-0.920	-20.346
5) Wind Generation	14.604	306.127	# Total Cent. Sector	99.818	2960.836
6) PENCH (MS)	0.920	20.346	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.437	-577.166
1) TPCL Thermal	17.697	546.100	G) Bilateral Power *		
2) TPCL Hydro	0.231	124.357	1) MSEDCL Bilateral	13.681	374.054
TOTAL TPCL	17.928	670.457	Include PX	0.000	11.317
3) REL Thermal	11.333	350.249	2) MUMBAI Bilateral	13.985	520.229
D) STATE			Include PX	2.407	130.433
1) Thermal (A1+C1+C3)	116.639	3578.865	3) MUMBAI Schedule	14.325	521.109
2) Hydro (A2+B5+C2)	6.169	522.808	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.676	304.923	1) MSEDCL	269.324	7988.653
4) Wind (B4)	14.604	306.127	2) TPCL	30.383	1035.455
5) CPP (B1+B2+B3)	68.116	1193.566	3) REL	17.315	562.438
TOTAL STATE	217.204	5906.289	TOTAL STATE	317.022	9586.546

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3710	3787	3489
MSGENCO Hydro	196	607	130
MSGENCO Gas	509	436	540
MSGENCO Total Generation	4415	4830	4159
Central Sector Receipt	4823	4708	3534
WIND	447	615	649
CPP / IPP	3016	2919	2418
Exchange with Mumbai	-780	-987	-500
MSEDCL DEMAND MET	11973	12108	10308
Load Shedding	66	133	53
MSEDCL DEMAND	12039	12241	10361
TPCL GENERATION	897	783	693
R-INFRA GENERATION	519	519	409
TPCL+R-INFRA DEMAND	2196	2289	1602
STATE DEMAND MET	14169	14397	11910
STATE DEMAND	14235	14530	11963
Frequency (Hz)	50.14	50.07	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 06:04 Hrs	49.65 Hz at 18:33 Hrs	50.11	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 29/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.09	49.59	60	0	0
Unit 6	0.00	58.09	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.09	107.68			0
Bhusawal					
Unit 2	2.84	60.19	140	90	140
Unit 3	2.52	95.91	120	80	140
Unit 4	0.56	184.70	195	0	0
Unit 5	5.39	152.91	300	175	0
Total	11.31	493.71			280
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.24	94.70	155	106	150
Unit 5	3.49	21.20	166	135	170
Unit 6	4.50	127.88	203	165	220
Unit 7	4.53	125.92	203	167	220
Total	15.77	369.70			760
Chandrapur					
Unit 1	2.96	73.33	133	115	125
Unit 2	2.72	78.37	132	100	120
Unit 3	2.47	80.45	169	0	100
Unit 4	3.44	104.58	169	105	160
Unit 5	0.00	0.00	0	0	0
Unit 6	7.52	210.19	360	281	325
Unit 7	7.50	219.10	354	260	325
Total	26.60	766.02			1155
Paras					
Unit 3	5.13	127.96	249	152	200
Unit 4	5.18	124.43	259	166	200
Total	10.31	252.39			400
Khaparkheda					
Unit 1	2.82	98.40	150	80	180
Unit 2	2.38	51.83	125	60	160
Unit 3	2.60	101.76	161	76	190
Unit 4	3.14	106.20	153	112	190
Unit 5	0.00	0.00	0	0	0
Total	10.94	358.19			720
Nasik					
Unit 3	4.23	105.34	195	165	190
Unit 4	4.15	109.37	191	160	190
Unit 5	4.21	120.11	192	161	190
Total	12.59	334.82			570
Uran					
All Units	11.68	304.92	626	365	515
Total	11.68	304.92			515
PENCH (MS)					
Pench (MS)	0.92	20.35	52	21	0
Total	0.92	20.35			0
Koyna					
Stage 1-2	1.41	103.78	150	40	600
Stage 4	0.00	141.68	0	0	250
Stage 3	0.77	57.85	160	0	240
Kovna 12&4 Total	1.41	245.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.18	303.30			1090
Hydro					
KDPH	0.00	4.70	0	0	0
VTRNA	0.00	6.31	0	0	60
TILLARI	0.48	7.50	59	0	60
BHTGR/VEER	0.00	2.64	0	0	5
BHIRA T.R.	0.20	10.79	41	0	40
RNGR+BHTSA	0.40	8.70	17	16	15
BHANDARDRA	0.62	8.71	33	14	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.62	11.55	26	25	5
GHATGHAR	0.52	13.90	125	0	0
Total	2.84	74.80			195
Wind					
MalharPeth	0.55	10.03			
Vankuswadi	1.08	17.46			
ATIT	0.10	3.13			
Kale	0.27	6.84			
Satara	3.68	78.64			
Shirala	0.27	6.11			
K Mahankal	0.04	2.10			
Supa	0.21	5.21			
Vita	1.50	36.69			
Dondaicha	4.14	89.17			
Sakri	0.86	13.72			
Nandurbar	0.22	7.84			
Khandke	0.81	16.54			
Khaparale	0.88	12.65			
Total	14.60	306.13			
CPP					
JSW JAIGAD	19.94	593.52	861	766	782
WARDHA	7.75	216.15	329	314	330
Adani	26.95	746.35	1250	840	1234
Other CPPs	13.48	356.95			395
Total	68.12	1912.97			2741
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.04	316.30	502	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.41	49.30	127	73	120
Trombay 7B	1.49	21.06	71	54	60
Trombay 8	4.76	159.44	248	178	250
TATA Hydro	0.23	124.36	71	0	447
Total	17.93	670.46			1377
REL					
1&2	11.33	350.25	521	409	500
Total	11.33	350.25			500
Cent Sect					
Share					4168
Total					4168

MS PG CL	Thermal	87.61	2682.52			3885
	Thml+Gas	99.28	2987.44			4400
	Hydro	5.02	378.10			1285
	Total	104.30	3365.54			5685
State Total		217.20	5906.29			14471

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Sep/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	3459	97	533	4089	717	2664	4107	4278	-651	-817	10979	83	11062	1926	12988	50.01
2	3476	102	533	4111	812	2458	3554	3920	-560	-653	10697	53	10750	1760	12510	49.98
3	3380	102	537	4019	837	2460	3322	3781	-471	-560	10585	53	10638	1666	12304	49.94
4	3378	125	537	4040	799	2446	3239	3475	-389	-506	10303	53	10356	1612	11968	50.06
5	3489	130	540	4159	649	2418	3272	3534	-422	-500	10308	53	10361	1602	11963	50.13
6	3536	195	581	4312	532	2534	3425	4098	-456	-563	10962	102	11064	1662	12726	50.13
7	3626	165	626	4417	462	2849	3810	4131	-502	-600	11281	230	11511	1702	13213	50.31
8	3712	104	610	4426	523	2990	3954	4349	-503	-614	11700	239	11939	1751	13690	50.11
9	3727	155	590	4472	604	2984	3957	4006	-498	-549	11567	218	11785	1884	13669	50.22
10	3806	185	580	4571	648	3011	4065	4110	-597	-600	11790	158	11948	2033	13981	50.28
11	3803	200	578	4581	495	2955	4164	4457	-676	-725	11813	71	11884	2157	14041	50.19
12	3710	196	509	4415	447	3016	4168	4823	-716	-780	11973	66	12039	2196	14235	50.14
13	3779	131	456	4366	410	3033	4169	4594	-718	-781	11651	162	11813	2193	14006	50.22
14	3721	131	365	4217	444	3013	4126	4733	-674	-955	11482	109	11591	2137	13728	50.17
15	3579	278	371	4228	465	3006	4118	4696	-666	-936	11492	86	11578	2096	13674	50.13
16	3575	255	378	4208	605	3023	4099	4032	-611	-796	11102	62	11164	2057	13221	50.16
17	3523	212	372	4107	681	2987	3969	4101	-576	-915	10984	62	11046	2024	13070	50.08
18	3588	252	378	4218	671	2758	3687	3530	-580	-964	10235	68	10303	2020	12323	49.99
19	3703	418	398	4519	669	2734	3932	4330	-674	-946	11353	84	11437	2128	13565	49.95
20	3787	607	436	4830	615	2919	4084	4708	-736	-987	12108	133	12241	2289	14530	50.07
21	3782	488	441	4711	582	2986	4084	4349	-735	-1041	11637	113	11750	2271	14021	50.03
22	3891	252	442	4585	638	2981	4111	4171	-684	-898	11527	95	11622	2240	13862	50.16
23	3787	124	440	4351	637	2949	3844	3904	-658	-827	11035	74	11109	2182	13291	50.12
24	3792	114	445	4351	662	2942	3610	3708	-570	-924	10760	74	10834	2110	12944	50.14
MUs	87.61	5.02	11.68	104.30	14.60	68.12	92.87	99.82	-14.32	-18.44	269.32	2.50	271.82	47.70	319.52	50.11

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 29/Sep/2013

Position as on 6.30 Hrs of 30/Sep/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	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
Cent_Sect TARAPUR-4	540	07/09/2013	01.17		Continued.	Maintenance Work.	
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 JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP Adani U1	660	10/09/2013	07.30		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
Koradi Unit 6	210	27/09/2013	00.20		Continued.	Air Heater Jam	
Bhusawal Unit 4	500	28/09/2013	00.25	29/09/2013	19.37	Ash Handling Problem	
Chandrapur Unit 3	210	28/09/2013	09:37	29/09/2013	02:16	CHP Bunkering Problem.	
Koradi Unit 5	200	29/09/2013	01:27		Continued.	ID Fan Problem.	
Uran Unit 5	108	29/09/2013	13.10	30/09/2013	00.53	Gas Shortage.	
Chandrapur Unit 4	210	30/09/2013	01.40		Continued.	BLR T/L.	
Khaparkheda Unit 3	210	30/09/2013	06.14		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2013

Position as on 6.30 Hrs of 30/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	22/09/2013	15.23		Continued.	Over Voltage.
Kolhapur - Mapusa - I	28/09/2013	18:01		Continued.	Over Voltage.
Solapur - Solapur (PG)	28/09/2013	21:46	29/09/2013	07.02	Over Voltage.
Solapur - Solapur (PG)	29/09/2013	20.53		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Solapur (PGCIL) - I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
Karad - Solapur (PGCIL)	29/09/2013	23.41	30/09/2013	06.01	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
Padgha - Nagothane - I	28/09/2013	08:26	29/09/2013	09.02	Repl.of CVT.at Nagothane end.(Ready for Charging at 23:42Hrs.DT:28/09/2013.)
Warora-Chandrapur- II, Ckt II	29/09/2013	17.35	29/09/2013	17.37	First time line charge.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mulund - Bhandup (GIS)	29/09/2013	06.16	29/09/2013	09.05	Red Hot.on Loc no. 22 B & 20 B.
Trombay-Salset-II	29/09/2013	07.50	29/09/2013	21.37	Repl.of conductor.
Kalwa - Khargar	29/09/2013	09.29	29/09/2013	19.09	Repl.of CT.
Borivali - Salset - I	29/09/2013	10.18	29/09/2013	17.06	To attend hot spot.
Aarey - Goregaon	29/09/2013	10.52	29/09/2013	13.50	To work on 33KV Multi ckt tower safety purpose.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Karad-New Koyna II	26/09/2013	23.50		Continued.	Over Voltage
Khadka - Deepnagar - I	27/09/2013	12.15		Continued.	Over Voltage.(Ready for Charging from 00.51 dt 28.9.13)
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	28/09/2013	23:48	29/09/2013	08.42	Over Voltage.
Lonikand- Koyna Stage IV	29/09/2013	23.55		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Khadka-Deepnagar-II	29/09/2013	06.07	29/09/2013	13.40	Sparking observed on B-Ph WT.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - II	21/09/2013	15.18	29/09/2013	11.09	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2013

Position as on 6.30 Hrs of 30/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koradi - New Koradi	22/09/2013	06.04		Continued.	Over Voltage.
Karad - Kolhapur - II	29/09/2013	03:46	29/09/2013	07.44	Over Voltage.
Karad-Kolhapur-II	29/09/2013	17.02		Continued.	Over Voltage.
Karad-Jaigad I	29/09/2013	23.25		Continued.	Over Voltage.
Karad - Kolhapur - I	30/09/2013	04.35	30/09/2013	05.54	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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	0
	620	0
Bhusawal		
Unit 2	210	125
Unit 3	210	125
Unit 4	500	250
Unit 5	500	
	1420	500
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	150
Unit 6	250	180
Unit 7	250	180
	1130	640
Chandrapur		
Unit 1	210	125
Unit 2	210	120
Unit 3	210	150
Unit 4	210	0
Unit 5	500	0
Unit 6	500	325
Unit 7	500	325
	2340	1045
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	720
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	540
	852	540
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	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	0
	611	190
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	778
WARDHA	405	325
Adani	1320	1234
Other CPPs	300	400
	3225	2737
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	4541
	3455	4541