



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jun/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jun/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	86.726	3140.646	1) Madhya Pradesh	66.500	1661.188
2) Hydro	8.934	216.251	2) Gujrat	17.014	335.442
3) Gas	7.447	271.310	3) Goa	-6.756	-177.440
Total MSGENCO	103.107	3628.207	4) TAPS 1&2 (Inj.)	7.803	227.902
B) OTHERS			5) Pench (Excess)	-0.204	-13.258
1) RGPPL Gas	38.592	1054.144	# Total Cent. Sector	84.357	2033.834
2) Wind Generation	28.617	575.970	F) Other Exchanges		
3) CPP	27.914	748.239	1) With TPCL (Excess)	-13.485	-321.225
4) PENCH (MS)	0.204	13.258	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	20.378	529.474
1) TPCL Thermal	26.149	787.248	Include PX	0.000	0.000
2) TPCL Hydro	5.058	118.752	2) MUMBAI Bilateral	14.279	344.429
TOTAL TPCL	31.207	906.000	Include PX	-0.496	-23.921
3) REL Thermal	12.270	350.724	3) MUMBAI Schedule	14.279	344.429
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	125.145	4278.618	1) MSEDCL	269.306	7732.427
2) Hydro (A2+B3+C2)	14.196	348.261	2) TPCL	38.222	1046.849
3) Gas (A3+B1)	46.039	1325.454	3) REL	18.739	531.065
4) Wind (B2)	28.617	575.970	TOTAL STATE	326.267	9310.341
5) CPP (B3)	27.914	748.239			
TOTAL STATE	241.911	7276.542			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3680	3567	3559
MSGENCO Hydro	230	1906	67
MSGENCO Gas	319	315	313
MSGENCO Total Generation	4229	5788	3939
Central Sector Receipt	3639	3356	2608
RGPPL	1599	1611	1619
WIND	1357	1073	1289
CPP	1229	1081	1108
Exchange with Mumbai	-738	-700	-338
MSEDCL DEMAND MET	11315	12257	10225
Load Shedding (LS)	61	57	61
MSEDCL DEMAND (INCL. LS)	11376	12314	10286
TPCL GENERATION	1667	1369	930
REL GENERATION	524	522	439
TPCL+REL DEMAND	2929	2591	1707
STATE DEMAND MET	14244	14848	11932
Load Management (LM)	1493	2865	1347
Total Load Relief (LS+LM)	1554	2922	1408
UNRESTRICTED STATE DEMAND	15798	17770	13340
Frequency (Hz)	49.99	49.85	50.15

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 12:59 Hrs	49.34 Hz at 19:40 Hrs	49.98	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/Jun/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	71.65	0	0	0
Unit 6	3.54	112.94	164	111	160
Unit 7	4.13	114.01	190	150	180
	7.67	298.60			340
Bhusawal					
Unit 2	3.97	104.14	175	160	170
Unit 3	4.10	117.99	185	160	180
Unit 4	0.00	0.00	0	0	0
	8.06	222.13			350
Parli					
Unit 3	1.30	73.72	137	0	0
Unit 4	0.00	67.37	0	0	0
Unit 5	3.48	80.38	166	117	150
Unit 6	0.00	53.52	0	0	0
Unit 7	4.65	81.54	209	159	210
	9.43	356.53			360
Chandrapur					
Unit 1	2.71	87.55	120	104	120
Unit 2	2.72	86.27	122	107	110
Unit 3	3.10	94.28	156	102	110
Unit 4	3.26	103.19	155	110	110
Unit 5	5.54	251.19	285	180	275
Unit 6	5.12	253.54	275	130	250
Unit 7	5.02	254.38	310	0	300
	27.47	1130.40			1275
Paras					
Unit 3	4.52	122.03	212	172	200
Unit 4	4.78	130.43	236	124	210
	9.29	252.45			410
Khaparkheda					
Unit 1	4.00	122.40	180	155	170
Unit 2	4.04	119.06	180	153	170
Unit 3	4.15	119.89	184	162	180
Unit 4	4.39	134.37	215	162	180
Unit 5	0.00	0.00	0	0	0
	16.57	495.72			700
Nasik					
Unit 1	0.00	42.54	0	0	0
Unit 2	1.76	48.91	82	64	90
Unit 3	3.14	99.34	155	100	150
Unit 4	0.00	84.84	0	0	0
Unit 5	3.33	109.17	150	123	150
	8.23	384.81			390
Uran					
All Units	7.45	271.31	319	223	300
	7.45	271.31			300
Dabhol					
RGPPL	38.59	1054.14	1619	1587	1560
	38.59	1054.14			1560
Koyna					
Stage 1-2	2.22	60.18	520	35	600
Stage 4	2.04	42.48	827	0	250
Stage 3	1.22	29.84	278	0	320
	5.48	132.51			1170
Kovna 12&4 Total	4.26	102.66			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.77	0	0	0
VTRNA	1.02	21.18	60	0	60
TILLARI	0.60	4.80	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.41	10.08	41	0	40
RNGR+BHTSA	0.06	6.04	3	2	10
BHANDARDRA	0.00	10.85	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.62	9.44	32	23	9
GHATGHAR	0.75	19.58	125	0	0
	3.46	83.74			179
PENCH (MS)					
Pench (MS)	0.20	13.26	51	0	0
	0.20	13.26			0
Wind					
MalharPeth	0.68	17.90			
Vankuswadi	2.36	45.10			
ATIT	0.31	12.42			
Kale	0.78	16.82			
Satara	3.91	48.70			
Shirala	0.74	17.71			
K Mahankal	0.14	33.92			
Supa	0.34	8.39			
Vita	4.34	95.48			
Dondaicha	9.89	174.05			
Sakri	1.13	24.40			
Nandurbar	0.76	18.71			
Khandke	1.84	38.17			
Khaparale	1.40	24.19			
	28.62	575.97			
CPP					
JSW JAIGAD	16.32	414.76	698	615	725
WARDHA	6.88	216.23	300	269	295
Other CPPs	4.72	117.26			
	27.91	748.24			1020
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.46	326.96	490	425	490
Trombay 6	5.92	186.26	425	150	500
Trombay 7A	2.85	82.47	120	117	120
Trombay 7B	1.58	45.82	67	65	60
Trombay 8	4.34	145.75	210	155	205
TATA Hydro	5.06	118.75	387	0	447
	31.21	906.00			1822
REL					
1&2	12.27	350.72	526	434	500
	12.27	350.72			500
Cent Sect					
Share					3144
					3144

MS PG CL	Thermal	86.73	3140.65			3825
	Thml+Gas	94.17	3411.96			4125
	Hydro	8.93	216.25			1349
	Total	103.11	3628.21			5474
State Total		241.91	7276.54			13520

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Jun/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3653	95	306	4054	1612	1405	1068	3128	2707	-683	-504	10342	1637	10403	2027	14006	49.97
2	3582	67	306	3955	1613	1190	1075	2980	2721	-517	-364	10190	1495	10251	1838	13523	50.01
3	3576	82	305	3963	1614	1258	1092	2955	2649	-517	-325	10251	1416	10312	1762	13429	50.04
4	3559	67	313	3939	1619	1289	1108	2952	2608	-517	-338	10225	1408	10286	1707	13340	50.15
5	3630	67	317	4014	1618	1233	1147	2968	2908	-517	-330	10590	1384	10651	1682	13656	50.10
6	3710	67	318	4095	1613	1165	1134	2968	3206	-517	-376	10837	1460	10898	1741	14038	50.00
7	3831	83	318	4232	1614	1180	1169	3186	3420	-360	-342	11273	1460	11334	1847	14580	50.02
8	3827	148	318	4293	1617	1306	1168	3254	3694	-360	-449	11629	1460	11690	1958	15047	50.13
9	3788	175	318	4281	1610	1293	1217	3316	3838	-456	-592	11647	1460	11708	2237	15344	50.03
10	3738	245	313	4296	1603	1472	1217	3387	3561	-484	-624	11525	1464	11586	2600	15589	49.96
11	3678	235	313	4226	1617	1143	1228	3461	3571	-626	-700	11085	1548	11146	2850	15483	50.04
12	3680	230	319	4229	1599	1357	1229	3525	3639	-693	-738	11315	1554	11376	2929	15798	49.99
13	3679	210	313	4202	1592	1463	1224	3394	3818	-677	-698	11601	1552	11662	2888	16041	49.95
14	3663	210	316	4189	1596	1169	1220	3314	3365	-648	-617	10922	1552	10983	2799	15273	50.05
15	3613	323	313	4249	1587	1260	1218	3327	3770	-660	-638	11446	1559	11507	2829	15834	49.90
16	3508	490	313	4311	1595	1209	1220	3327	3926	-671	-658	11603	1567	11664	2824	15994	49.92
17	3544	347	315	4206	1603	1204	1218	3231	3998	-626	-622	11607	1577	11664	2793	15977	49.99
18	3446	239	317	4002	1608	1179	1234	3327	4148	-590	-588	11583	1741	11640	2744	16068	50.01
19	3490	240	318	4048	1603	1204	1228	3152	3903	-614	-575	11419	2614	11476	2669	16702	49.88
20	3554	995	318	4867	1602	1032	1221	3189	4043	-670	-621	12195	2913	12252	2658	17766	49.79
21	3567	1906	315	5788	1611	1073	1081	3259	3356	-720	-700	12257	2922	12314	2591	17770	49.85
22	3514	1530	316	5360	1616	822	1052	3307	3567	-720	-713	11752	2922	11809	2463	17137	49.94
23	3439	584	223	4246	1615	922	1060	3322	3998	-714	-688	11177	2922	11234	2308	16407	49.95
24	3457	299	306	4062	1615	789	1086	3347	3943	-720	-685	10835	2637	10892	2218	15690	49.96
MUs	86.73	8.93	7.45	103.11	38.59	28.62	27.91	77.58	84.36	-14.28	-13.48	269.31	44.22	270.74	56.96	370.49	49.98

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/Jun/2011

Position as on 6.30 Hrs of 30/Jun/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	22/07/2011
Cent_Sect NTPC(V-10)	500	15/06/2011	01.24		Continued.	C/OH	
Parli Unit 6	250	16/06/2011	05.50		Continued.	Annual Overhaul	15/07/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
FORCED OUTAGE							
Cent_Sect TARAPUR-4	540	30/05/2011	20.00		Continued.	Survilence Test	30/06/2011
Uran Unit 8	108	06/06/2011	23.12		Continued.	Bus Bar Protection operated,as Y-Ph BKR pole of Uran U-5 burst.	10/08/2011
Uran Unit B0	120	16/06/2011	01.03		Continued.	R/M work	01/07/2011
CPP WPCL U-3	135	20/06/2011	03.16		Continued.	Maintenance work.	
Koradi Unit 5	200	22/06/2011	21.58		Continued.	Boiler Tube Leakage	30/06/2011
Nasik Unit 1	125	25/06/2011	04.35		Continued.	Boiler Tube Leakage.	30/06/2011
Uran Unit A0	120	25/06/2011	10.40		Continued.	Cable Damaged.	30/06/2011
Nasik Unit 4	210	26/06/2011	11.55		Continued.	Bottom Ash hopper heavy.	01/07/2011
Parli Unit 4	210	26/06/2011	22.35		Continued.	CVSM Problem.	30/06/2011
Parli Unit 3	210	29/06/2011	03.10	29/06/2011	11:10	Furnace shaft problem.	
Parli Unit 7	250	30/06/2011	04.14		Continued.	Loss of Fuel	30/06/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2011

Position as on 6.30 Hrs of 30/Jun/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	28/06/2011	09.20	29/06/2011	08.13	CVT Testing,ready for charging at 19.05 Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	22/06/2011	02.15		Continued.	Over Voltage.
Kolhapur - Mapusa - I	28/06/2011	21.56	29/06/2011	09.12	Over Voltage.
Dhule-Sar'Sarovar - I	29/06/2011	22.01	30/06/2011	04.59	Over Voltage
Kolhapur-Mapusa-II	29/06/2011	22.34		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-II At New Koyna	29/06/2011	09.10	29/06/2011	18.37	Replacement of R and B Phase Conductor
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV 200MVA ICT-II at Lonand	16/06/2011	08.47	29/06/2011	15.00	Red Hot Spot(Kept on Huming since 16.06.2011)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 30.07.2011
Koradi-Ambazari-I	28/06/2011	10.23		Continued.	Transfer of the control panel from existing control panels.
Mahape-Tifil	29/06/2011	10.22	29/06/2011	13.45	Tree Cutting
Chandrapur - Chandrapur MIDC	29/06/2011	10.42	29/06/2011	15.17	Q.M.Work
Karad - Miraj	29/06/2011	11.34	29/06/2011	12.00	SCADA Work
220/132 KV 200 MVA ICT - III @ Bale	29/06/2011	12.05	29/06/2011	16.30	Replacement of LV side CT
Karad-Vita-II	29/06/2011	12.06	29/06/2011	12.21	SCADA Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	28/06/2011	21.08	29/06/2011	08.10	Over Voltage.
Lonikand- Koyna Stage IV	28/06/2011	22.32	29/06/2011	6.50	Over voltage
Bhusawal- Aurangabad	29/06/2011	20.55		Continued.	Over Voltage
Lonikand- Koyna Stage IV	29/06/2011	21.42		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Bale-Usmanabad	11/06/2011	16.01		Continued.	To Control Parly ICT Loading.
Murud-Bale	19/06/2011	15.33		Continued.	At Bale end,To control Parli ICT loading.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz Augmentation by 200 MVA.Expected in Sept.2011.
Bableswhar - Alephata	29/06/2011	01.57	29/06/2011	02.39	Distance protection.
220/132KV 100MVA ICT at Butibori	29/06/2011	20.02	29/06/2011	21.25	Backup Protection operated

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2011

Position as on 6.30 Hrs of 30/Jun/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koradi-Butibori	29/06/2011	20.02	29/06/2011	21.09	Ditance Protection
220KV Bus Coupler at Abhijeet	29/06/2011	20.02	29/06/2011	21.03	Tripped on O/C, E/F
220KV Bus Section-I Breaker at Abhijeet	29/06/2011	20.02		Continued.	Tripped on O/C E/F
Butibori TSS - Butibori(MIDC)	29/06/2011	20.02		Continued.	Distance Protection(B phase CC Burst)
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salsette - II	28/06/2011	22.14	29/06/2011	02.57	Tree fall on conductor at Loc.24 and 25.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jun/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	170
	620	315
Bhusawal		
Unit 2	210	170
Unit 3	210	165
Unit 4	0	
	420	335
Parli		
Unit 3	210	120
Unit 4	210	0
Unit 5	210	130
Unit 6	250	0
Unit 7	250	0
	1130	250
Chandrapur		
Unit 1	210	115
Unit 2	210	110
Unit 3	210	115
Unit 4	210	135
Unit 5	500	275
Unit 6	500	250
Unit 7	500	0
	2340	1000
Paras		
Unit 3	250	190
Unit 4	250	230
	500	420
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	0	
	840	640
Nasik		
Unit 1	120	0
Unit 2	120	74
Unit 3	210	124
Unit 4	210	0
Unit 5	210	165
	870	363
Uran		
All Units	852	300
	852	300
Dabhol		
RGPP	1940	1560
	1940	1560
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	172
PENCH (MS)		
Pench (MS)	53	
	53	
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	600	635
WARDHA	405	295
Other CPPs	0	
	1005	930
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	205
TATA Hydro	444	447
	2024	1822
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3214
	3455	3214