



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jul/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.022	2686.943	1) Gujrat	4.503	34.741
2) Hydro	4.213	270.241	2) Madhya Pradesh	14.117	387.682
3) Gas	8.624	270.590	3) Chattisgarh	9.770	320.190
Total MSGENCO	89.859	3227.774	4) Maharashtra	49.194	1437.712
B) OTHERS			5) Goa	-5.231	-166.874
1) JSW JAIGAD	28.893	786.519	6) TAPS 1&2 Injection	3.929	164.515
2) WPCL	9.523	271.449	7) RGPPL Injection	14.374	512.801
3) Other CPP / IPP	7.560	179.126	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	33.565	651.927	# Total Cent. Sector	90.656	2688.929
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.927	-333.476
1) TPCL Thermal	25.254	797.166	G) Bilateral Power *		
2) TPCL Hydro	0.162	100.653	1) MSEDCL Bilateral	27.465	740.319
TOTAL TPCL	25.416	897.819	Include PX	0.000	0.950
3) REL Thermal	12.629	363.075	2) MUMBAI Bilateral	11.558	387.817
D) STATE			Include PX	-1.751	20.027
1) Thermal (A1+C1+C3)	114.905	3847.184	3) MUMBAI Schedule	11.558	394.843
2) Hydro (A2+B5+C2)	4.375	372.732	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.624	270.590	1) MSEDCL	251.129	7474.086
4) Wind (B4)	33.565	651.927	2) TPCL	31.099	1069.654
5) CPP (B1+B2+B3)	45.976	1237.094	3) REL	15.870	524.766
TOTAL STATE	207.445	6379.527	TOTAL STATE	298.098	9068.506

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3288	3467	2836
MSGENCO Hydro	247	348	123
MSGENCO Gas	322	462	300
MSGENCO Total Generation	3857	4277	3259
Central Sector Receipt	3886	3813	3542
WIND	1454	1557	1490
CPP / IPP	1925	1923	1920
Exchange with Mumbai	-458	-540	-246
MSEDCL DEMAND MET	10664	11030	9965
Load Shedding	591	368	209
MSEDCL DEMAND	11255	11398	10174
TPCL GENERATION	1111	1153	956
R-INFRA GENERATION	527	526	526
TPCL+R-INFRA DEMAND	2096	2219	1728
STATE DEMAND MET	12760	13249	11693
STATE DEMAND	13351	13617	11902
Frequency (Hz)	49.71	49.87	49.68

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 16.03 Hrs	49.35 Hz at 01.03 Hrs	49.85	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/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	65.51	0	0	0
Unit 6	0.00	49.70	0	0	0
Unit 7	3.53	99.16	170	125	145
Total	3.53	214.37			145
Bhusawal					
Unit 2	2.67	92.01	130	75	100
Unit 3	2.80	73.29	130	105	120
Unit 4	0.00	56.83	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.48	222.13			220
Parli					
Unit 3	0.00	58.56	0	0	0
Unit 4	3.16	91.87	155	100	100
Unit 5	3.34	94.52	163	109	136
Unit 6	3.99	65.89	187	139	168
Unit 7	0.00	40.36	0	0	0
Total	10.49	351.20			404
Chandrapur					
Unit 1	2.80	82.98	137	67	100
Unit 2	0.00	84.46	0	0	0
Unit 3	2.30	105.13	118	51	100
Unit 4	2.99	114.28	145	95	150
Unit 5	7.98	229.88	440	255	300
Unit 6	0.00	186.91	0	0	0
Unit 7	8.12	198.82	358	320	350
Total	24.19	1002.45			1000
Paras					
Unit 3	0.52	34.24	134	0	0
Unit 4	3.70	86.76	170	134	150
Total	4.21	121.00			150
Khaparkheda					
Unit 1	3.82	119.00	190	70	190
Unit 2	3.73	19.34	170	135	170
Unit 3	2.18	110.53	170	0	0
Unit 4	4.08	133.52	178	157	210
Unit 5	5.90	103.78	282	180	250
Total	19.72	486.16			820
Nasik					
Unit 3	5.02	123.96	215	200	192
Unit 4	4.39	128.76	194	167	172
Unit 5	0.00	36.90	0	0	0
Total	9.41	289.63			364
Uran					
All Units	8.62	270.59	467	299	280
Total	8.62	270.59			280
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	
Total	0.00	1.84			
Koyna					
Stage 1-2	1.64	88.71	210	40	530
Stage 4	0.11	78.32	114	0	250
Stage 3	1.38	56.14	194	0	240
Kovna 12&4 Total	1.75	167.03			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.13	223.17			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.23	13.46	61	0	0
TILLARI	0.21	5.60	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.19	10.09	41	0	40
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.12	3.81	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.15	2.29	12	3	8
GHATGHAR	0.19	10.86	100	0	0
Total	1.08	47.07			108
Wind					
MalharPeth	1.45	34.62			
Vankuswadi	2.13	53.12			
ATIT	0.33	10.48			
Kale	0.96	19.09			
Satara	5.31	65.47			
Shirala	1.46	22.30			
K Mahankal	0.14	48.41			
Supa	0.52	9.20			
Vita	3.52	94.48			
Dondaicha	11.63	188.01			
Sakri	1.72	26.74			
Nandurbar	1.14	17.91			
Khandke	1.77	35.04			
Khaparale	1.48	27.07			
Total	33.56	651.93			
CPP					
JSW JAIGAD	28.89	786.52	1208	1168	1100
WARDHA	9.52	271.45	405	373	400
Other CPPs	7.56	179.13			
Total	45.98	1237.09			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.67	320.63	503	329	500
Trombay 6	4.02	214.85	200	156	500
Trombay 7A	2.96	63.42	125	121	120
Trombay 7B	1.62	34.52	69	67	60
Trombay 8	5.98	163.74	251	248	250
TATA Hydro	0.16	100.65	52	0	447
Total	25.42	897.82			1877
REL					
1&2	12.63	363.08	527	524	500
Total	12.63	363.08			500
Cent Sect					
Share					4073
Total					4073

MS PG CL	Thermal	77.02	2686.94			3103
	Thml+Gas	85.65	2957.53			3383
	Hydro	4.21	270.24			1128
	Total	89.86	3227.77			4511
State Total		207.44	6379.53			12461

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Jul/2012

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	2812	293	300	3405	1533	1939	3662	3673	-522	-328	10222	170	10392	1976	12368	49.61
2	2865	258	300	3423	1526	1891	3598	3506	-459	-276	10070	203	10273	1819	12092	49.66
3	2836	123	300	3259	1490	1920	3538	3542	-396	-246	9965	209	10174	1728	11902	49.68
4	2896	104	300	3300	1489	1928	3516	3595	-374	-227	10085	216	10301	1677	11978	49.73
5	2961	43	299	3303	1479	1913	3442	3791	-296	-198	10288	231	10519	1671	12190	49.81
6	3031	53	306	3390	1334	1952	3507	4149	-364	-230	10595	309	10904	1703	12607	49.86
7	3126	44	307	3477	1377	1911	3523	4230	-362	-233	10762	646	11408	1703	13111	50.08
8	3146	49	306	3501	1321	1920	3586	4022	-416	-264	10500	792	11292	1732	13024	49.96
9	3226	165	307	3698	1467	1911	3636	3957	-427	-288	10745	712	11457	1817	13274	49.98
10	3304	206	307	3817	1417	1904	3676	4035	-432	-326	10847	546	11393	1936	13329	49.94
11	3270	164	300	3734	1365	1922	3744	4150	-493	-417	10754	498	11252	2047	13299	49.85
12	3288	247	322	3857	1454	1925	3760	3886	-543	-458	10664	591	11255	2096	13351	49.71
13	3345	265	316	3926	1582	1917	3780	3625	-540	-409	10641	707	11348	2089	13437	49.83
14	3373	154	332	3859	1448	1907	3713	3458	-512	-393	10279	397	10676	2040	12716	49.84
15	3354	139	378	3871	1328	1919	3681	3685	-478	-364	10439	331	10770	1988	12758	49.84
16	3326	129	388	3843	1340	1898	3662	3789	-464	-340	10530	403	10933	1963	12896	49.98
17	3374	129	388	3891	1322	1921	3656	3470	-442	-333	10271	302	10573	1976	12549	50.14
18	3373	58	388	3819	1221	1895	3699	3316	-445	-375	9876	233	10109	2010	12119	50.07
19	3313	125	460	3898	1170	1928	3603	3647	-491	-491	10152	217	10369	2114	12483	49.79
20	3325	666	462	4453	1221	1930	3670	3848	-550	-476	10976	381	11357	2060	13417	49.70
21	3467	348	462	4277	1557	1923	3976	3813	-606	-540	11030	368	11398	2219	13617	49.87
22	3339	195	467	4001	1417	1932	4108	4011	-626	-572	10789	345	11134	2217	13351	49.87
23	3339	158	465	3962	1332	1876	4069	3773	-673	-592	10351	196	10547	2213	12760	49.75
24	3333	98	464	3895	1375	1894	3912	3685	-647	-551	10298	137	10435	2178	12613	49.79
MUs	77.02	4.21	8.62	89.86	33.56	45.98	88.72	90.66	-11.56	-8.93	251.13	9.14	260.27	46.97	307.24	49.85

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/Jul/2012

Position as on 6.30 Hrs of 30/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 6	108	13/07/2012	22.00	29/07/2012	11.27	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Khaparkheda Unit 3	210	24/07/2012	19.16	29/07/2012	7:15	Boiler Tube Leakage.	
Paras Unit 3	250	25/07/2012	03.23	29/07/2012	18.11	Flame Failure.	
Uran Unit 5	108	25/07/2012	23.16		Continued.	Gas Shortage	
Uran Unit A0	120	25/07/2012	23.16	29/07/2012	18.10	Gas Shortage	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	30/07/2012
Koradi Unit 5	200	26/07/2012	18.47	30/07/2012	03.47	Coal mill problem.	
Dabhol 3A	230	27/07/2012	11.30		Continued.	Gas shortage.	
Bhusawal Unit 4	500	28/07/2012	10.34		Continued.	D.C.Supply fail.	
Chandrapur Unit 2	210	28/07/2012	18.08		Continued.	Furnace Pressure high.	
Parli Unit 5	210	30/07/2012	02.33		Continued.	Loss of fuel.	
Nasik Unit 4	210	30/07/2012	02.33		Continued.	Trip on jurk.	
Cent_Sect NTPC(V-3)	210	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-4)	210	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-5)	210	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-7)	500	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-8)	500	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 29/Jul/2012

Position as on 6.30 Hrs of 30/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Cent_Sect NTPC(V-10)	500	30/07/2012	03.41		Continued.	Trip,NR Grid disturbance.	
Koyna ST-IV 1	250	30/07/2012	06.35		Continued.	Trip condensor to Generation.	
Koyna ST - IV 3	250	30/07/2012	06.40		Continued.	Trip,while taking on generation.	
Chandrapur Unit 4	210	30/07/2012	07.04		Continued.	Coal shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2012

Position as on 6.30 Hrs of 30/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	28/07/2012	09.25	29/07/2012	16.45	C.T.replacement and maint.Work at Tarapur end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	27/07/2012	07.10	29/07/2012	15.58	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	29/07/2012	14.52		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	30/07/2012	03.43		Continued.	CSR problem.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
220/100KV 200MVA ICT-I at Kalwa	23/07/2012	14.18	29/07/2012	09.26	Isolator replacement.
Koradi-Ambazari-I	25/07/2012	09.55		Continued.	Measurement of Tan Delta of CT(ready for charging 17.03Hrs)
Kalwa - Salshet - III	29/07/2012	08.55	29/07/2012	13.09	Repl.of B-Ph clamp of CT,Repl.of nut bolt of clamp of 2D isolator.
Kharghar-TSS	29/07/2012	10.00	29/07/2012	14.56	Repl.of railway crossing insulator at Loc.no 671 & 672.
Lonand - Bothe (Surwadi)	29/07/2012	11.45	29/07/2012	18.10	For dist relay configuration and pending PLCC work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Karad-Kolhapur-II	28/07/2012	16.18		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/07/2012	23.08	30/07/2012	06.28	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Khaparkhedha-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II	26/06/2012	20.43		Continued.	R Phase LV side CT Burst

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2012

Position as on 6.30 Hrs of 30/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
at Khaparkheda.					
Bableshtar-Aurangabad	29/07/2012	01.38	29/07/2012	09.57	Over Voltage.
Jejuri-Koyna STG-IV	30/07/2012	02.33		Continued.	Over Voltage,as WR-NR link trip.
Padgha - Babaleshtar - II	30/07/2012	02.33	30/07/2012	05.47	Over Voltage,as WR-NR link trip.
Khadka - Deepnagar - II	30/07/2012	02.33		Continued.	Over Voltage,as WR-NR link trip.
Bablsr-Aurangabad	30/07/2012	02.33	30/07/2012	05.43	Over Voltage,as WR-NR link trip.
Deepnagar-Aurangabad-I	30/07/2012	02.33	30/07/2012	05.57	Over Voltage,as WR-NR link trip.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	40
Unit 6	210	0
Unit 7	210	160
	620	200
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	
Unit 5	500	
	1420	240
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	0
Unit 6	250	185
Unit 7	250	0
	1130	330
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	50
Unit 4	210	50
Unit 5	500	270
Unit 6	500	0
Unit 7	500	220
	2340	730
Paras		
Unit 3	250	150
Unit 4	250	160
	500	310
Khaparkheda		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	160
Unit 4	210	170
Unit 5	500	225
	1340	865
Nasik		
Unit 3	210	192
Unit 4	210	0
Unit 5	210	0
	630	192
Uran		
All Units	852	440
	852	440
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
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	8
GHATGHAR	250	0
	611	108
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	1100
WARDHA	405	400
Other CPPs	0	
	1005	1500
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3651
	3455	3651

	18400	12033
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