



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jul/2012

State Load Dispatch Center,Airoli (MSETCL)

Daily system Report for 27/Jul/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.704	2538.427	1) Gujrat	6.365	25.092
2) Hydro	7.633	255.685	2) Madhya Pradesh	9.805	364.703
3) Gas	7.104	254.704	3) Chattisgarh	10.580	299.810
Total MSGENCO	92.441	3048.816	4) Maharashtra	49.548	1335.259
B) OTHERS			5) Goa	-5.308	-156.397
1) JSW JAIGAD	28.987	728.601	6) TAPS 1&2 Injection	3.981	156.608
2) WPCL	8.999	253.440	7) RGPPL Injection	18.572	483.283
3) Other CPP / IPP	6.743	164.267	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	29.440	583.425	# Total Cent. Sector	93.543	2506.520
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.153	-314.584
1) TPCL Thermal	30.388	741.433	G) Bilateral Power *		
2) TPCL Hydro	3.670	99.346	1) MSEDCL Bilateral	17.256	689.019
TOTAL TPCL	34.058	840.779	Include PX	0.000	0.950
3) REL Thermal	12.600	337.835	2) MUMBAI Bilateral	13.320	363.646
D) STATE			Include PX	1.089	21.379
1) Thermal (A1+C1+C3)	120.692	3617.695	3) MUMBAI Schedule	13.320	370.671
2) Hydro (A2+B5+C2)	11.303	356.869	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.104	254.704	1) MSEDCL	249.000	6972.323
4) Wind (B4)	29.440	583.425	2) TPCL	38.789	1002.467
5) CPP (B1+B2+B3)	44.729	1146.308	3) REL	19.020	490.787
TOTAL STATE	213.268	5959.001	TOTAL STATE	306.809	8465.577

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3243	3247	3368
MSGENCO Hydro	487	851	40
MSGENCO Gas	296	297	296
MSGENCO Total Generation	4026	4395	3704
Central Sector Receipt	4315	4241	3416
WIND	1133	1216	1334
CPP / IPP	1791	1903	1824
Exchange with Mumbai	-687	-427	-248
MSEDCL DEMAND MET	10578	11328	10030
Load Shedding	684	545	254
MSEDCL DEMAND	11262	11873	10284
TPCL GENERATION	1705	1709	976
R-INFRA GENERATION	525	526	523
TPCL+R-INFRA DEMAND	2917	2662	1747
STATE DEMAND MET	13495	13990	11777
STATE DEMAND	14179	14535	12031
Frequency (Hz)	49.49	49.40	49.49

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 06.05 Hrs	48.84 Hz at 19.43 Hrs	49.5	7.34 % 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 27/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	3.43	92.46	160	125	160
Total	3.43	207.68			160
Bhusawal					
Unit 2	3.04	86.84	145	115	140
Unit 3	2.95	67.93	140	100	140
Unit 4	2.78	55.07	176	77	
Unit 5	0.00	0.00	0	0	
Total	8.78	209.84			280
Parli					
Unit 3	0.00	58.56	0	0	0
Unit 4	2.90	86.04	146	89	125
Unit 5	2.79	88.65	137	83	117
Unit 6	4.01	58.52	196	123	145
Unit 7	0.00	40.36	0	0	0
Total	9.70	332.13			387
Chandrapur					
Unit 1	2.76	78.25	132	85	120
Unit 2	2.63	83.02	134	78	140
Unit 3	3.10	100.31	160	88	150
Unit 4	2.69	108.37	173	0	150
Unit 5	6.35	215.14	345	215	275
Unit 6	0.00	186.91	0	0	0
Unit 7	6.98	182.75	344	250	250
Total	24.51	954.76			1085
Paras					
Unit 3	0.00	33.73	0	0	0
Unit 4	2.99	80.19	134	115	130
Total	2.99	113.92			130
Khaparkheda					
Unit 1	4.00	112.38	195	135	200
Unit 2	3.64	12.07	170	128	170
Unit 3	0.00	108.35	0	0	0
Unit 4	4.59	124.99	208	168	210
Unit 5	6.56	91.46	322	205	300
Total	18.79	449.24			880
Nasik					
Unit 3	5.08	114.03	220	205	210
Unit 4	4.43	119.93	206	175	195
Unit 5	0.00	36.90	0	0	0
Total	9.50	270.86			405
Uran					
All Units	7.10	254.70	303	287	280
Total	7.10	254.70			280
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	
Total	0.00	1.84			
Koyna					
Stage 1-2	4.09	83.40	490	35	530
Stage 4	0.98	75.60	432	0	250
Stage 3	1.62	52.50	160	0	160
Kovna 12&4 Total	5.07	158.99			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.69	211.49			940
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	13.23	0	0	0
TILLARI	0.42	5.03	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.38	9.68	41	0	40
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.09	3.69	34	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.05	2.01	8	0	8
GHATGHAR	0.00	9.59	2	0	0
Total	0.94	44.19			113
Wind					
MalharPeth	1.31	31.28			
Vankuswadi	2.53	48.57			
ATIT	0.33	9.03			
Kale	1.02	17.22			
Satara	0.73	57.58			
Shirala	0.79	19.37			
K Mahankal	4.99	46.46			
Supa	0.38	8.10			
Vita	3.56	86.77			
Dondaicha	8.94	164.43			
Sakri	0.90	23.28			
Nandurbar	0.94	15.86			
Khandke	1.54	31.34			
Khaparale	1.48	24.13			
Total	29.44	583.42			
CPP					
JSW JAIGAD	28.99	728.60	1213	1204	1100
WARDHA	9.00	253.44	425	308	420
Other CPPs	6.74	164.27			
Total	44.73	1146.31			1520
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.42	298.30	505	340	500
Trombay 6	8.52	202.54	500	156	500
Trombay 7A	2.88	57.52	122	108	120
Trombay 7B	1.59	31.27	68	61	60
Trombay 8	5.98	151.80	250	248	250
TATA Hydro	3.67	99.35	430	0	447
Total	34.06	840.78			1877
REL					
1&2	12.60	337.84	527	523	500
Total	12.60	337.84			500
Cent Sect					
Share					4306
Total					4306

MS PG CL	Thermal	77.70	2538.43			3327
	Thml+Gas	84.81	2793.13			3607
	Hydro	7.63	255.68			1053
	Total	92.44	3048.82			4660
State Total		213.27	5959.00			12863

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	3300	173	296	3769	1172	1884	3941	3867	-547	-408	10284	210	10494	2035	12529	49.61
2	3327	85	295	3707	1286	1870	3861	3553	-464	-320	10096	242	10338	1866	12204	49.69
3	3368	40	296	3704	1334	1824	3803	3416	-404	-248	10030	254	10284	1747	12031	49.49
4	3370	45	295	3710	1349	1826	3797	3528	-383	-219	10194	267	10461	1697	12158	49.51
5	3327	40	290	3657	1342	1860	3809	3501	-376	-241	10119	279	10398	1695	12093	49.32
6	3359	255	295	3909	1180	1861	3830	3925	-385	-253	10622	360	10982	1776	12758	49.52
7	3349	191	301	3841	1460	1810	3861	4045	-455	-298	10858	823	11681	1878	13559	49.65
8	3340	201	298	3839	1337	1803	3942	3773	-447	-351	10401	977	11378	2020	13398	49.66
9	3290	269	296	3855	1505	1798	3993	3873	-496	-440	10591	1032	11623	2324	13947	49.55
10	3196	304	293	3793	1283	1789	4224	3977	-509	-599	10243	782	11025	2690	13715	49.54
11	3243	487	296	4026	1133	1791	4474	4315	-695	-687	10578	684	11262	2917	14179	49.49
12	3165	467	294	3926	1109	1850	4342	4218	-774	-741	10362	694	11056	2952	14008	49.43
13	3164	415	289	3868	1089	1867	4215	4320	-771	-705	10439	752	11191	2935	14126	49.52
14	3124	282	287	3693	1084	1877	3918	3968	-496	-508	10114	712	10826	2835	13661	49.30
15	3127	236	287	3650	950	1901	3886	3632	-516	-502	9631	670	10301	2882	13183	49.35
16	3172	290	300	3762	1006	1904	3811	3626	-516	-511	9787	743	10530	2876	13406	49.34
17	3158	110	302	3570	1054	1897	3845	3772	-516	-584	9709	821	10530	2869	13399	49.70
18	3097	85	297	3479	1194	1898	4091	3796	-732	-653	9714	657	10371	2785	13156	49.57
19	3154	315	298	3767	1263	1896	3998	4016	-543	-422	10520	509	11029	2681	13710	49.58
20	3247	851	297	4395	1216	1903	4154	4241	-596	-427	11328	545	11873	2662	14535	49.40
21	3221	869	297	4387	1336	1922	4220	4105	-667	-491	11259	500	11759	2619	14378	49.40
22	3218	580	303	4101	1257	1910	4230	4133	-688	-524	10877	476	11353	2487	13840	49.46
23	3202	449	302	3953	1230	1899	4133	4103	-689	-514	10671	246	10917	2347	13264	49.54
24	3186	594	300	4080	1271	1889	3922	3842	-654	-507	10575	189	10764	2236	13000	49.49
MUs	77.70	7.63	7.10	92.44	29.44	44.73	96.30	93.54	-13.32	-11.15	249.00	13.42	262.43	57.81	320.24	49.50

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 27/Jul/2012

Position as on 6.30 Hrs of 28/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	
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	
Koyna Unit 9	80	25/07/2012	16.15	27/07/2012	01.15	Guidevang link break	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	01/08/2012
Chandrapur Unit 4	210	27/07/2012	12.37	27/07/2012	16.37	Generator BKR Problem.	
Chandrapur Unit 2	210	28/07/2012	18.08		Continued.	Furnace Pressure high.	
Koyna ST - IV 4	250	28/07/2012	19.10	28/07/2012	20.47	Voltage inbalance.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2012

Position as on 6.30 Hrs of 28/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	26/07/2012	10.32	27/07/2012	07.03	Attending oil leakage 'Y' phase breaker, ready for charging 18.49 hours.
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
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
400/220KV,500 MVA ICT-III at Nagothane.	27/07/2012	09.22	27/07/2012	14.10	Testing work.
400/220 KV 600 MVA ICT-II @ Kalwa	27/07/2012	12.22	27/07/2012	17.33	LV side taken on TBC.
Padgha - Nagothane- II	28/07/2012	09.21	28/07/2012	18.39	Replacement of damaged jumper conductor at Loc.No.196.
400/220 KV 600 MVA ICT-II @ Kalwa	28/07/2012	10.35	28/07/2012	13.39	Isolator gear box replacement work.Taken on TBC.
400/220 KV315 MVA ICT-I @ BBLR	28/07/2012	14.56	28/07/2012	19.42	Alignment work of L.V.side isolator.
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.
Lamboti-Bale-II	26/07/2012	14.14	27/07/2012	07.57	Replacement of jumper between 29 D isolator & CT.
Apta-Taloja	27/07/2012	08.25	27/07/2012	18.58	To shift CT from RCC structure to GI structure.
220/132 KV 200 MVA ICT - II @ Malegaon	27/07/2012	09.05	27/07/2012	12.34	Q.M.Work
220 KV Bus @ Padgha	27/07/2012	09.08	27/07/2012	19.10	Removing of Bus side isolator jumper.
Valve-Jamde	27/07/2012	10.04	27/07/2012	13.51	Hot Spot on CT.
Dondaicha - Jamde - II.	27/07/2012	10.05	27/07/2012	14.45	Hot Spot on CT.
220/100 KV 100 MVA ICT - I @ Vasai	27/07/2012	10.05	27/07/2012	10.50	To attend earth leakage.
220/7KV 40 MVA Stn T/F-II @ C'PUR	27/07/2012	10.49	28/07/2012	20.48	Repl.of old R,Y and B Ph CTs.
220/132KV,100MVA ICT-II at Sawangi	27/07/2012	11.10	27/07/2012	16.00	Attending oil leakages of ICT.
220/100 KV,100 MVA ICT-II at Vasai	27/07/2012	11.32	27/07/2012	12.28	To attend earth leakage.
ICL - Harangool Ckt.II	27/07/2012	12.08	27/07/2012	15.34	Distance relay testing.
BBLSR-Waluj	28/07/2012	10.32	28/07/2012	17.58	R.M.Work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2012

Position as on 6.30 Hrs of 28/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
BBLSR-A"Nagar II	28/07/2012	11.14	28/07/2012	14.50	Hot spot attending work.
Kalwa-Taloja	28/07/2012	14.20	28/07/2012	18.07	To attend hot spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Salsette - II	27/07/2012	09.40	27/07/2012	12.10	Repl.of jumper.
Kalwa-Pal	28/07/2012	09.55	28/07/2012	12.14	To attnd hot spot.
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	27/07/2012	21.04	28/07/2012	09.19	Over Voltage.
Karad-Kolhapur-II	28/07/2012	16.18		Continued.	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.
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Karad - Kolhapur - II	25/07/2012	08.38	27/07/2012	10.40	Without Indication
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Umarkhed	27/07/2012	03.56	27/07/2012	04.02	Dist.protection Z-I.
Amravati - Achalpur	27/07/2012	16.54	27/07/2012	17.03	Dist.protection Z-I.
Dhule-Nardhane	28/07/2012	00.54	28/07/2012	06.46	Distance Protection
Pusad - Umarkhed	28/07/2012	03.07	28/07/2012	03.12	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	100
	620	100
Bhusawal		
Unit 2	210	125
Unit 3	210	125
Unit 4	500	
Unit 5	500	
	1420	250
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	130
Unit 6	250	150
Unit 7	250	0
	1130	390
Chandrapur		
Unit 1	210	80
Unit 2	210	80
Unit 3	210	140
Unit 4	210	150
Unit 5	500	350
Unit 6	500	0
Unit 7	500	360
	2340	1160
Paras		
Unit 3	250	0
Unit 4	250	130
	500	130
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	190
Unit 5	500	250
	1340	760
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	
	630	384
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
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	345
Other CPPs	0	
	1005	1445
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	4197
	3455	4197