



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jun/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.378	2218.067	1) Gujrat	6.154	134.689
2) Hydro	8.592	282.163	2) Madhya Pradesh	14.692	362.223
3) Gas	9.692	269.496	3) Chattisgarh	11.580	212.500
Total MSGENCO	113.662	2769.726	4) Maharashtra	48.688	1024.661
B) OTHERS			5) Goa	-5.533	-128.828
1) JSW JAIGAD	28.971	598.267	6) TAPS 1&2 Injection	7.532	159.576
2) WPCL	7.677	202.467	7) RGPPL Injection	19.117	438.017
3) Other CPP / IPP	5.959	150.779	8) Pench (Excess)	0.000	-2.619
4) Wind Generation	32.101	434.735	# Total Cent. Sector	102.230	2200.219
5) PENCH (MS)	0.000	2.619	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.288	-275.034
1) TPCL Thermal	28.792	584.426	G) Bilateral Power *		
2) TPCL Hydro	6.099	113.047	1) MSEDCL Bilateral	20.722	603.238
TOTAL TPCL	34.891	697.473	Include PX	-0.809	4.217
3) REL Thermal	12.509	263.511	2) MUMBAI Bilateral	15.198	324.160
D) STATE			Include PX	2.427	30.570
1) Thermal (A1+C1+C3)	136.679	3066.004	3) MUMBAI Schedule	15.198	324.160
2) Hydro (A2+B5+C2)	14.691	397.829	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.692	269.496	1) MSEDCL	276.312	6083.778
4) Wind (B4)	32.101	434.735	2) TPCL	41.176	819.494
5) CPP (B1+B2+B3)	42.607	951.513	3) REL	20.410	416.406
TOTAL STATE	235.770	5119.577	TOTAL STATE	337.898	7319.678

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3997	3993	4011
MSGENCO Hydro	420	570	72
MSGENCO Gas	339	448	412
MSGENCO Total Generation	4756	5011	4495
Central Sector Receipt	4827	4446	3774
WIND	1439	1306	1304
CPP / IPP	1701	1832	1779
Exchange with Mumbai	-657	-552	-466
MSEDCL DEMAND MET	12066	12043	10886
Load Shedding	630	563	262
MSEDCL DEMAND	12696	12606	11148
TPCL GENERATION	1769	1667	1009
R-INFRA GENERATION	524	518	526
TPCL+R-INFRA DEMAND	2950	2737	2001
STATE DEMAND MET	15016	14780	12887
STATE DEMAND	15646	15343	13149
Frequency (Hz)	49.78	49.61	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 06.06 Hrs	48.83 Hz at 22.03 Hrs	49.7	2.26 % 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 21/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.69	57.09	125	95	120
Unit 6	3.34	65.90	160	128	130
Unit 7	0.00	55.54	0	0	0
Total	6.04	178.52			250
Bhusawal					
Unit 2	3.74	74.72	165	145	160
Unit 3	4.14	85.34	180	165	180
Unit 4		18.53	0	0	
Unit 5		0.00	0	0	
Total	7.88	178.59			340
Parli					
Unit 3	4.15	83.08	189	137	170
Unit 4	0.00	2.58	0	0	0
Unit 5	3.14	76.77	146	120	130
Unit 6	3.53	91.59	175	71	170
Unit 7	3.82	57.40	182	87	165
Total	14.64	311.42			635
Chandrapur					
Unit 1	3.64	77.99	157	128	155
Unit 2	3.08	60.32	140	116	120
Unit 3	4.08	84.64	185	131	160
Unit 4	4.48	93.20	199	164	180
Unit 5	9.52	162.43	430	340	430
Unit 6	7.74	195.72	400	210	350
Unit 7	9.47	174.89	423	359	400
Total	42.02	849.19			1795
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	0.00	64.19	0	0	0
Unit 2	0.00	0.72	0	0	0
Unit 3	4.61	99.55	205	180	210
Unit 4	4.66	102.24	205	184	210
Unit 5	6.23	103.46	275	240	250
Total	15.50	370.17			670
Nasik					
Unit 3	4.97	94.12	220	180	210
Unit 4	0.00	84.80	0	0	0
Unit 5	4.34	82.20	195	165	190
Total	9.31	261.12			400
Uran					
All Units	9.69	269.50	455	339	400
Total	9.69	269.50			400
PENCH (MS)					
Pench (MS)	0.00	2.62	0	0	
Total	0.00	2.62			
Koyna					
Stage 1-2	3.06	87.66	395	40	600
Stage 4	0.55	97.70	282	0	250
Stage 3	0.82	42.58	160	0	320
Kovna 12&4 Total	3.61	185.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.43	227.93			1170
Hydro					
KDPH	0.35	6.61	15	14	16
VTRNA	0.98	14.23	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	6.59	81	0	80
RNGR+BHTSA	0.22	4.45	9	9	9
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.15	4.94	12	4	9
GHATGHAR	2.10	15.13	250	0	0
Total	4.16	54.23			175
Wind					
MalharPeth	1.26	17.09			
Vankuswadi	2.17	26.25			
ATIT	0.34	6.95			
Kale	0.86	9.84			
Satara	1.04	41.27			
Shirala	0.62	11.46			
K Mahankal	5.27	29.34			
Supa	0.47	6.27			
Vita	3.54	54.59			
Dondaicha	10.72	158.34			
Sakri	1.52	21.11			
Nandurbar	1.28	16.12			
Khandke	1.64	19.34			
Khaparale	1.37	16.76			
Total	32.10	434.74			
CPP					
JSW JAIGAD	28.97	598.27	1222	1144	1100
WARDHA	7.68	202.47	324	311	396
Other CPPs	5.96	150.78			
Total	42.61	951.51			1496
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.68	230.39	505	378	500
Trombay 6	7.36	136.27	489	158	500
Trombay 7A	2.91	60.21	123	119	120
Trombay 7B	1.60	33.39	67	66	60
Trombay 8	5.24	124.16	250	166	250
TATA Hydro	6.10	113.05	465	0	447
Total	34.89	697.47			1877
REL					
1&2	12.51	263.51	526	509	500
Total	12.51	263.51			500
Cent Sect					
Share					4522
Total					4522

MS PG CL	Thermal	95.38	2218.07			4090
	Thml+Gas	105.07	2487.56			4490
	Hydro	8.59	282.16			1345
	Total	113.66	2769.73			5835
State Total		235.77	5119.58			14230

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jun/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	3936	385	404	4725	1330	1755	4183	4236	-710	-666	11380	145	11525	2353	13878	49.57
2	3949	278	410	4637	1280	1767	4071	3939	-599	-538	11085	236	11321	2173	13494	49.73
3	3953	67	407	4427	1332	1774	4004	3964	-521	-493	11004	247	11251	2076	13327	49.74
4	4011	72	412	4495	1304	1779	3776	3774	-480	-466	10886	262	11148	2001	13149	49.86
5	4000	67	408	4475	1290	1763	4008	3898	-479	-524	10902	279	11181	1976	13157	49.74
6	4015	67	412	4494	1284	1764	3824	4385	-481	-513	11414	387	11801	2027	13828	49.74
7	3993	72	410	4475	1281	1773	4091	4266	-477	-498	11297	740	12037	2033	14070	49.92
8	4054	88	412	4554	1389	1776	4071	4610	-481	-539	11790	789	12579	2115	14694	49.88
9	4000	132	407	4539	1431	1766	4035	4325	-484	-646	11415	896	12311	2480	14791	49.90
10	3998	264	404	4666	1408	1772	3995	4471	-571	-633	11684	663	12347	2772	15119	49.87
11	3997	420	339	4756	1439	1701	4183	4827	-660	-657	12066	630	12696	2950	15646	49.78
12	4014	722	344	5080	1447	1725	4364	4304	-797	-641	11915	725	12640	2994	15634	49.64
13	3993	590	351	4934	1403	1734	4389	4326	-781	-623	11774	799	12573	2964	15537	49.68
14	3970	411	348	4729	1272	1782	4338	4316	-764	-579	11520	716	12236	2890	15126	49.56
15	3960	706	394	5060	1298	1774	4267	4418	-734	-595	11955	558	12513	2963	15476	49.63
16	3913	859	395	5167	1310	1764	4251	3993	-741	-567	11667	602	12269	2975	15244	49.65
17	3933	511	371	4815	1380	1762	4338	4169	-800	-612	11514	678	12192	2932	15124	49.67
18	3946	181	368	4495	1436	1778	4063	4296	-674	-644	11361	705	12066	2890	14956	49.84
19	3862	135	446	4443	1417	1793	4262	3980	-595	-707	10926	468	11394	2799	14193	49.66
20	3926	307	455	4688	1337	1829	4452	4345	-627	-588	11611	580	12191	2784	14975	49.61
21	3993	570	448	5011	1306	1832	4436	4446	-627	-552	12043	563	12606	2737	15343	49.61
22	4043	377	450	4870	1271	1832	4478	4160	-669	-607	11526	551	12077	2630	14707	49.50
23	4044	451	448	4943	1218	1793	4424	4602	-716	-680	11876	265	12141	2615	14756	49.49
24	3875	860	449	5184	1238	1819	4326	4180	-729	-720	11701	179	11880	2559	14439	49.43
MUs	95.38	8.59	9.69	113.66	32.10	42.61	100.63	102.23	-15.20	-14.29	276.31	12.66	288.98	61.69	350.66	49.70

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 21/Jun/2012

Position as on 6.30 Hrs of 22/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	23/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	22/06/2012
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 2	75	16/06/2012	10.15		Continued.	Installation of Numerical relay.	22/06/2012
Dabhol 1A	230	16/06/2012	11.45		Continued.	Withdrawn.	
CPP WPCL U-1	135	18/06/2012	01.00	21/06/2012	20.30	Convertor chain damaged.	
Khaparkheda Unit 1	210	19/06/2012	11.08		Continued.	Reheater tube leakage.	
Nasik Unit 4	210	19/06/2012	14.20		Continued.	P.A. fan bearing problem.	
Koradi Unit 7	210	19/06/2012	23.11		Continued.	Flashover at Field Winding CB	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Srevomotor Oil Leakage.	
Uran Unit 7	108	20/06/2012	12.30		Continued.	Gas Shortage.	
Uran Unit B0	120	20/06/2012	22.00	21/06/2012	18.36	High Vibration.	
Dabhol 2A	230	20/06/2012	22.25		Continued.	Gas Shortage.	
CPP WPCL U-1	135	21/06/2012	22.05	21/06/2012	23.43	Tripped on under voltages.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jun/2012

Position as on 6.30 Hrs of 22/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli (PG) - Wardha (PG) - II	20/06/2012	12.32		Continued.	Outage by PGCIL.
Chakan-Talegaon(PG)	21/06/2012	14.06	21/06/2012	19.07	Universal coupling installation on pentagraph isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Wardha - Akola - I	19/06/2012	17.24		Continued.	To control Line Loading
Dhule-Sar'Sarovar - I	20/06/2012	23.49		Continued.	Over Voltage.
Kolhapur - Mapusa - I	21/06/2012	00.26	21/06/2012	10.43	Over Voltage.
Kolhapur - Mapusa - II	21/06/2012	18.18		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
400/220 KV 315 MVA ICT-I @ Dhule	18/06/2012	10.40		Continued.	Cable Termination of CP and RP from new yard
Lonikand-Karad	20/06/2012	10.22	21/06/2012	08.45	Replacement of Insulator.
C'pur-Parli II	21/06/2012	08.52		Continued.	Providing repai sleeves bet.Loc.406 to 407 to both conductor of Y-Ph.ready for charging 17.50 Hrs.
Lonikand - Parli - I	21/06/2012	09.06	21/06/2012	17.38	Repl.of LA of R-Ph.
400 KV Bus Coupler @ Chakan	21/06/2012	09.22	21/06/2012	13.17	Universal coupling installation on pentagraph isolator.
Bableshwar-Aurangabad	21/06/2012	09.23	21/06/2012	17.40	Q.M.Work
Deepnagar-Aurangabad-I	21/06/2012	12.17	21/06/2012	16.00	Attending Red Hot.
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.
220/132KV, 200MVA ICT-1@Boiser	20/06/2012	11.31	21/06/2012	12.20	Breaker Air Pressure Low Shifted on TBC
Lonikand -Theur - II	21/06/2012	08.14	21/06/2012	13.02	Testing work.
Apta-Bombay Dyeing	21/06/2012	08.36	21/06/2012	12.20	Replacement of LA.
Main Bus at Parbhani	21/06/2012	09.23	21/06/2012	14.34	Isolator maintenance and DC leakage testing.
Vita-Mhaisal	21/06/2012	09.26	21/06/2012	18.27	Repl.of insulator.
Bus sectionaliser at Airoli Knowledge Park	21/06/2012	09.30	21/06/2012	12.30	Tan delta measurement.
Khaperkheda - Ambazari - II	21/06/2012	09.30	21/06/2012	13.40	R.M.Work
Dhule - Dondaicha	21/06/2012	10.06	21/06/2012	15.12	To attend Hot Spot on Wave trap.
220/110KV 200MVA ICT-II at Mudshingi	21/06/2012	11.20	21/06/2012	14.45	Isolator work.
220/132KV 150MVA ICT @ Boisor	21/06/2012	11.45	21/06/2012	17.58	Main BKR.O/H LV side,Taken on TBC.
220/132KV,200MVA ICT-III At Nanded.	21/06/2012	13.40	21/06/2012	18.25	Tan delta measurement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jun/2012

Position as on 6.30 Hrs of 22/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Main Bus @ Parbhani	21/06/2012	09.23	21/06/2012	14.34	Isolator maintenance and DC leakage testing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj II	12/06/2012	16.00	21/06/2012	12.02	Over Voltage
Bhusawal- Aurangabad	15/06/2012	16.30	21/06/2012	06.45	Over Voltage.
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Karad - Kolhapur - I	20/06/2012	17.59	21/06/2012	09.23	Over Voltage.
Karad - Kolhapur - II	21/06/2012	17.02		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/06/2012	17.40		Continued.	Over Voltage.
Aurangabad-Deepnagar-II	21/06/2012	18.05		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	18/06/2012	10.35		Continued.	To control Dhule ICT Load
Padgha - Temghar - II	20/06/2012	11.40		Continued.	To Control Padgha ICT Load.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Khaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Narsi	21/06/2012	13.43	21/06/2012	13.58	Distance Protection.
Bale - Nuldurg	22/06/2012	03.05		Continued.	Earth Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	165
Unit 7	210	0
	620	310
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	160
Unit 4	210	0
Unit 5	210	119
Unit 6	250	120
Unit 7	250	119
	1130	518
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	185
Unit 4	210	190
Unit 5	500	350
Unit 6	500	350
Unit 7	500	425
	2340	1790
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	150
	1340	570
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	460
	852	460
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	15
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	171
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	1030
WARDHA	405	380
Other CPPs	0	
	1005	1410
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	4896
	3455	4896