



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jul/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.418	2229.356	1) Gujrat	7.206	-2.335
2) Hydro	21.370	202.694	2) Madhya Pradesh	11.354	323.315
3) Gas	7.057	221.872	3) Chattisgarh	11.040	256.570
Total MSGENCO	102.845	2653.922	4) Maharashtra	50.240	1135.878
B) OTHERS			5) Goa	-5.444	-133.860
1) JSW JAIGAD	18.789	620.077	6) TAPS 1&2 Injection	3.644	140.696
2) WPCL	9.318	214.552	7) RGPPL Injection	18.850	413.564
3) Other CPP / IPP	5.764	136.716	8) Pench (Excess)	-0.075	-1.761
4) Wind Generation	30.788	462.340	# Total Cent. Sector	96.815	2132.067
5) PENCH (MS)	0.075	1.761	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.657	-262.326
1) TPCL Thermal	27.522	627.612	G) Bilateral Power *		
2) TPCL Hydro	5.291	84.652	1) MSEDCL Bilateral	23.428	596.924
TOTAL TPCL	32.813	712.264	Include PX	0.000	0.950
3) REL Thermal	12.596	287.403	2) MUMBAI Bilateral	11.909	304.719
D) STATE			Include PX	1.612	12.007
1) Thermal (A1+C1+C3)	114.536	3144.371	3) MUMBAI Schedule	13.598	306.408
2) Hydro (A2+B5+C2)	26.736	289.107	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.057	221.872	1) MSEDCL	251.737	5959.109
4) Wind (B4)	30.788	462.340	2) TPCL	39.387	846.556
5) CPP (B1+B2+B3)	33.871	971.345	3) REL	18.776	415.498
TOTAL STATE	212.988	5089.035	TOTAL STATE	309.900	7221.163

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	3009	3012	3235
MSGENCO Hydro	1602	1539	84
MSGENCO Gas	296	290	302
MSGENCO Total Generation	4907	4841	3621
Central Sector Receipt	4240	4432	3707
WIND	1443	1087	1136
CPP / IPP	1222	1246	1813
Exchange with Mumbai	-807	-472	-314
MSEDCL DEMAND MET	11005	11157	9963
Load Shedding	625	476	224
MSEDCL DEMAND	11630	11633	10187
TPCL GENERATION	1631	1613	861
R-INFRA GENERATION	524	523	525
TPCL+R-INFRA DEMAND	2962	2608	1700
STATE DEMAND MET	13967	13765	11663
STATE DEMAND	14592	14241	11887
Frequency (Hz)	49.57	49.46	49.56

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.05 Hz at 19:01 Hrs	48.82 Hz at 17:20 Hrs	49.5	10.05 % 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 23/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.75	59.67	130	78	130
Unit 6	1.22	49.70	130	0	90
Unit 7	3.11	79.74	150	110	145
Total	7.08	189.11			365
Bhusawal					
Unit 2	3.01	73.96	145	60	140
Unit 3	2.71	63.55	140	65	140
Unit 4	0.30	39.99	84	0	0
Unit 5	0.00	0.00	0	0	0
Total	6.02	177.49			280
Parli					
Unit 3	3.26	51.72	155	120	140
Unit 4	3.82	74.05	189	123	150
Unit 5	3.42	76.53	166	123	140
Unit 6	3.79	44.14	170	144	170
Unit 7	0.00	40.36	0	0	0
Total	14.29	286.80			600
Chandrapur					
Unit 1	0.60	70.96	75	0	90
Unit 2	1.32	72.47	68	46	50
Unit 3	1.49	88.13	74	43	60
Unit 4	1.78	95.83	86	60	80
Unit 5	5.04	189.30	260	150	200
Unit 6	0.00	186.91	0	0	0
Unit 7	7.08	156.75	337	265	350
Total	17.32	860.35			830
Paras					
Unit 3	3.72	30.00	171	110	150
Unit 4	3.66	68.04	174	91	150
Total	7.37	98.04			300
Khaparkheda					
Unit 1	4.10	97.12	190	135	120
Unit 2	0.22	0.22	80	0	0
Unit 3	4.04	105.01	191	140	150
Unit 4	4.01	107.47	195	147	200
Unit 5	0.00	75.02	0	0	0
Total	12.37	384.85			470
Nasik					
Unit 3	5.20	94.18	220	210	192
Unit 4	4.78	101.62	210	190	192
Unit 5	0.00	36.90	0	0	0
Total	9.98	232.71			384
Uran					
All Units	7.06	221.87	302	274	290
Total	7.06	221.87			290
PENCH (MS)					
Pench (MS)	0.08	1.76	23	0	0
Total	0.08	1.76			0
Koyna					
Stage 1-2	5.91	66.20	450	40	470
Stage 4	9.90	55.34	941	0	250
Stage 3	3.68	40.92	240	0	240
Kovna 12&4 Total	15.81	121.54			720

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.49	162.46			960
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.93	0	0	0
TILLARI	0.25	3.77	59	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.34	8.02	80	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.79	3.25	34	33	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	1.72	8	0	8
GHATGHAR	0.45	9.58	125	0	0
Total	1.88	40.24			182
Wind					
MalharPeth	1.21	24.54			
Vankuswadi	2.26	38.42			
ATIT	0.29	7.68			
Kale	0.72	13.21			
Satara	4.74	48.43			
Shirala	0.58	14.12			
K Mahankal	0.11	38.17			
Supa	0.46	6.40			
Vita	3.63	71.24			
Dondaicha	10.97	126.26			
Sakri	1.57	18.25			
Nandurbar	0.99	12.43			
Khandke	1.87	24.91			
Khaparale	1.38	18.28			
Total	30.79	462.34			
CPP					
JSW JAIGAD	18.79	620.08	1212	602	1100
WARDHA	9.32	214.55	407	363	440
Other CPPs	5.76	136.72			
Total	33.87	971.34			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	250.94	503	458	500
Trombay 6	9.66	164.65	505	158	500
Trombay 7A	0.00	53.54	0	0	0
Trombay 7B	0.00	29.67	0	0	0
Trombay 8	5.89	128.82	248	244	250
TATA Hydro	5.29	84.65	456	0	447
Total	32.81	712.26			1697
REL					
1&2	12.60	287.40	528	522	500
Total	12.60	287.40			500
Cent Sect					
Share					4642
Total					4642

MS PG CL	Thermal	74.42	2229.36			3229
	Thml+Gas	81.48	2451.23			3519
	Hydro	21.37	202.69			1142
	Total	102.84	2653.92			4661
State Total		212.99	5089.04			13040

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	3274	146	302	3722	1499	1818	3877	3488	-424	-457	10070	173	10243	2004	12247	49.64
2	3290	80	302	3672	1243	1834	3790	3511	-309	-309	9951	214	10165	1834	11999	49.73
3	3214	74	302	3590	1402	1851	3725	3553	-246	-272	10124	215	10339	1739	12078	49.76
4	3235	84	302	3621	1136	1813	3731	3707	-233	-314	9963	224	10187	1700	11887	49.56
5	3276	79	300	3655	1218	1567	3981	3849	-262	-293	9996	232	10228	1712	11940	49.51
6	3222	407	292	3921	1063	1552	4002	4076	-271	-297	10315	310	10625	1800	12425	49.36
7	3260	618	292	4170	1208	1560	4050	3904	-306	-338	10504	648	11152	1897	13049	49.41
8	3279	578	292	4149	1253	1540	4163	4031	-393	-411	10562	774	11336	2050	13386	49.60
9	3227	587	292	4106	1324	1534	4220	3960	-448	-424	10500	854	11354	2358	13712	49.39
10	3196	1161	292	4649	1428	1500	4298	4055	-645	-621	11011	615	11626	2693	14319	49.44
11	3087	1483	292	4862	1243	1225	4417	4371	-774	-746	10955	550	11505	2914	14419	49.57
12	3009	1602	296	4907	1443	1222	4551	4240	-893	-807	11005	625	11630	2962	14592	49.57
13	2975	1184	280	4439	1378	1220	4545	4515	-876	-781	10771	708	11479	2955	14434	49.56
14	2975	1085	295	4355	1515	1210	4360	4180	-688	-676	10584	611	11195	2871	14066	49.36
15	2970	1223	296	4489	1457	1227	4358	3983	-687	-679	10477	522	10999	2908	13907	49.24
16	3031	1366	287	4684	1282	1246	4102	3855	-700	-691	10376	578	10954	2893	13847	49.32
17	3054	1127	274	4455	1235	1237	4060	3790	-692	-624	10093	641	10734	2796	13530	49.52
18	2985	901	298	4184	1285	1253	4059	3814	-666	-647	9889	575	10464	2808	13272	49.49
19	2987	889	302	4178	1222	1249	4279	4198	-650	-557	10290	411	10701	2715	13416	49.67
20	3006	1201	300	4507	1193	1242	4404	4475	-661	-533	10906	492	11398	2692	14090	49.55
21	3012	1539	290	4841	1087	1246	4456	4432	-668	-472	11157	476	11633	2608	14241	49.46
22	2984	1558	290	4832	1095	1249	4479	4262	-690	-543	10918	416	11334	2495	13829	49.36
23	2923	1217	297	4437	1271	1231	4447	4425	-717	-572	10799	213	11012	2394	13406	49.44
24	2947	1181	292	4420	1308	1245	4244	4141	-698	-593	10521	153	10674	2268	12942	49.50
MUs	74.42	21.37	7.06	102.84	30.79	33.87	100.60	96.82	-13.60	-12.66	251.74	11.23	262.97	58.07	321.03	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 23/Jul/2012

Position as on 6.30 Hrs of 24/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45	24/07/2012	20.55	Capital overhaul.	
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Annual Overhaul.	24/07/2012
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
Tata Trombay 7B	60	19/07/2012	21.00		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
Tata Trombay 7A	120	19/07/2012	22.30		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
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 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 6	108	13/07/2012	22.00		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 Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Bhusawal Unit 4	500	18/07/2012	12.00	23/07/2012	18:57	Class A Protection operated	
Khaparkheda Unit 5	500	18/07/2012	21.02		Continued.	CHP Problem	24/07/2012
Uran Unit A0	120	20/07/2012	23.03		Continued.	Gas shortage.	
Uran Unit 5	108	20/07/2012	23.13		Continued.	Gas shortage.	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Koyna Unit 3	75	22/07/2012	18.00		Continued.	Water cooler problem.	24/07/2012
Bhusawal Unit 2	210	22/07/2012	19.44	23/07/2012	00.05	Auxiliary supply failed.	
CPP JSW (J) U4	300	23/07/2012	04.00	24/07/2012	05.03	Condenser tube cleaning work.	
Chandrapur Unit 1	210	23/07/2012	09:25		Continued.	I D Fan problem.	
CPP JSW (J) U3	300	23/07/2012	10:23		Continued.	ACW line heavy leakage.	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 3B	230	23/07/2012	15:57		Continued.	Combustion inspection.	
Bhusawal Unit 3	210	24/07/2012	02.28		Continued.	Flame failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2012

Position as on 6.30 Hrs of 24/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
MUDSHINGI-CHIKODI	23/07/2012	10.02	23/07/2012	15.30	Bus section outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09	23/07/2012	11.46	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur-Mapusa-II	18/07/2012	22.46		Continued.	Over Voltage
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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	19/07/2012	15.35		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 @ Jejuri	21/07/2012	12.38		Continued.	29 D isolator work (Taken on TBC).
400/220KV, 315MVA ICT-I @ New Koyna.	23/07/2012	09.51	23/07/2012	18.09	Attending problem of leakage of 220KV side CT and other maint.work.
Kalwa - Padgha - I	23/07/2012	11.23	23/07/2012	17.20	Replacement of broken gear box in 29A isolator.Taken on TBC.
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.
Apta-HOC	23/07/2012	09.28	23/07/2012	17.09	To shift CT from RCC structure to GI structure.
220/132 KV 150 MVA ICT-II @ Akola.	23/07/2012	09.42	23/07/2012	16.35	Attending oil leakage of ICT.
Mudshingi-Talandage-II	23/07/2012	10.02	23/07/2012	14.20	Bus section outage.
Main Bus Section- III @ Mudshingi	23/07/2012	10.03	23/07/2012	14.00	Connecting jumper of new isolator of 220KV Peth.
Mudshingi-Talangade - I	23/07/2012	10.03	23/07/2012	14.25	Bus section outage.
Mudshingi - Karad - II	23/07/2012	10.03	23/07/2012	14.20	Bus section outage.
Halkarni-Hemous	23/07/2012	13.00	23/07/2012	16.17	Q.M.Work
Mudshingi-Wathar	23/07/2012	13.24	23/07/2012	14.25	Q.M.Work
Mudshingi - Peth	23/07/2012	13.24	23/07/2012	14.25	Main bus jumper connection and isolator replacement.
220/100KV 200MVA ICT-I at Kalwa	23/07/2012	14.18		Continued.	Isolator replacement.
Wadkhal-IPCL-II	23/07/2012	15.34	23/07/2012	20.50	Hot spot on R ph.CT
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2012

Position as on 6.30 Hrs of 24/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad - Kolhapur - II	21/07/2012	17.11	23/07/2012	10.06	Over Voltage.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Karad - Kolhapur - II	23/07/2012	16.44		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		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.
Pusad - Nanded	22/07/2012	17.55	23/07/2012	12.34	Y-Ph CT cable burnt,H/T from Pusad end.
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
C'pur-Parli II	22/07/2012	02.00		Continued.	Distance Protection.Ready for charging from 21.05 hrs.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Vita-Mhaisal	23/07/2012	21.52	24/07/2012	04.57	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal-Sawda	22/07/2012	19.42	23/07/2012	15.22	Dist.Protection operated,Z-I,R-Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	70
Unit 6	210	0
Unit 7	210	127
	620	197
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	140
Parli		
Unit 3	210	152
Unit 4	210	125
Unit 5	210	140
Unit 6	250	150
Unit 7	250	0
	1130	567
Chandrapur		
Unit 1	210	0
Unit 2	210	65
Unit 3	210	80
Unit 4	210	90
Unit 5	500	275
Unit 6	500	0
Unit 7	500	250
	2340	760
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	180
Unit 2	210	100
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	470
Stage 4	1000	250
Stage 3	320	240
	1920	960
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	80
RNGR+BHTSA	20	0
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	182
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	880
WARDHA	405	360
Other CPPs	0	
	1005	1240
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4184
	3455	4184