



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jul/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	60.618	1618.606	1) Gujrat	10.105	255.164
2) Hydro	15.703	205.350	2) Madhya Pradesh	16.096	363.954
3) Gas	10.265	216.710	3) Chattisgarh	7.000	147.560
Total MSGENCO	86.586	2040.666	4) Maharashtra	49.498	1152.774
B) 1) JSW JAIGAD	25.810	467.541	5) Goa	-3.817	-100.269
2) WPCL	7.220	159.080	6) TAPS 1&2 Injection	3.678	75.157
3) ADANI	22.360	514.570	7) RGPPL Injection	0.000	93.175
4) Other CPP / IPP	6.081	175.065	8) Pench (Excess)	-0.535	-6.517
5) Wind Generation	32.123	575.315	# Total Cent. Sector	82.025	1980.998
6) PENCH (MS)	0.535	6.517	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.745	-355.451
1) TPCL Thermal	17.864	477.189	G) Bilateral Power *		
2) TPCL Hydro	6.992	114.987	1) MSEDCL Bilateral	3.815	644.093
TOTAL TPCL	24.856	592.176	Include PX	-8.251	-70.923
3) REL Thermal	10.394	241.120	2) MUMBAI Bilateral	15.709	288.469
D) STATE			Include PX	3.261	41.156
1) Thermal (A1+C1+C3)	88.876	2336.915	3) MUMBAI Schedule	15.709	288.469
2) Hydro (A2+B5+C2)	23.230	326.854	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.265	216.710	1) MSEDCL	243.995	5564.301
4) Wind (B4)	32.123	575.315	2) TPCL	35.833	780.567
5) CPP (B1+B2+B3)	61.471	824.046	3) REL	18.153	408.141
TOTAL STATE	215.965	4279.840	TOTAL STATE	297.981	6753.009

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2567	2449	2599
MSGENCO Hydro	1027	1532	155
MSGENCO Gas	380	450	412
MSGENCO Total Generation	3974	4431	3166
Central Sector Receipt	3560	3874	2793
WIND	1479	1389	1274
CPP / IPP	2685	2484	2491
Exchange with Mumbai	-1009	-973	-343
MSEDCL DEMAND MET	10716	11232	9392
Load Shedding	51	53	51
MSEDCL DEMAND	10767	11285	9443
TPCL GENERATION	1150	1098	785
R-INFRA GENERATION	400	397	400
TPCL+R-INFRA DEMAND	2559	2468	1528
STATE DEMAND MET	13275	13700	10920
STATE DEMAND	13326	13753	10971
Frequency (Hz)	50.05	50.03	50.15

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 08.01 Hrs	49.73 Hz at 15.44 Hrs	50.05	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 22/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.93	49.10	140	100	115
Unit 6	0.00	55.98	0	0	0
Unit 7	3.88	35.96	170	145	165
Total	6.80	141.03			280
Bhusawal					
Unit 2	2.92	68.76	140	105	120
Unit 3	3.16	57.26	140	110	140
Unit 4	4.32	119.74	210	160	200
Unit 5	0.00	12.40	0	0	0
Total	10.40	258.16			460
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	4.61	15.31	232	157	200
Total	4.61	15.31			200
Chandrapur					
Unit 1	3.21	69.10	141	116	150
Unit 2	0.00	60.61	0	0	0
Unit 3	3.43	53.68	173	62	170
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	0.00	91.97	0	0	0
Unit 7	0.00	101.99	0	0	0
Total	6.64	445.34			320
Paras					
Unit 3	3.85	82.77	180	143	170
Unit 4	4.08	91.21	190	154	170
Total	7.92	173.98			340
Khaparkheda					
Unit 1	2.44	43.96	140	60	170
Unit 2	2.80	62.22	160	70	160
Unit 3	2.63	66.16	166	0	180
Unit 4	3.37	84.70	161	116	180
Unit 5	4.87	133.52	280	149	250
Total	16.10	390.55			940
Nasik					
Unit 3	4.06	91.25	175	165	195
Unit 4	0.00	25.26	0	0	0
Unit 5	4.07	77.72	177	152	195
Total	8.14	194.23			390
Uran					
All Units	10.26	216.71	457	369	440
Total	10.26	216.71			440
PENCH (MS)					
Pench (MS)	0.54	6.52	27	10	0
Total	0.54	6.52			0
Koyna					
Stage 1-2	5.20	58.34	530	40	600
Stage 4	3.07	40.20	534	0	250
Stage 3	2.84	42.71	240	0	240
Kovna 12&4 Total	8.27	98.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.11	141.25			1090
Hydro					
KDPH	0.88	5.73	37	36	36
VTRNA	0.00	2.01	0	0	61
TILLARI	0.40	4.78	60	0	60
BHTGR/VEER	0.11	1.65	5	4	5
BHIRA T.R.	0.46	10.55	82	0	80
RNGR+BHTSA	0.06	1.34	3	2	15
BHANDARDRA	0.69	4.67	29	28	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.69	12.18	29	28	0
GHATGHAR	1.30	21.20	250	0	0
Total	4.59	64.10			287
Wind					
MalharPeth	1.48	26.80			
Vankuswadi	2.22	43.58			
ATIT	0.28	8.05			
Kale	0.88	15.42			
Satara	10.00	160.55			
Shirala	0.99	15.18			
K Mahankal	0.13	5.50			
Supa	0.32	5.90			
Vita	3.30	65.37			
Dondaicha	7.83	143.11			
Sakri	1.22	22.20			
Nandurbar	0.71	13.56			
Khandke	1.36	25.41			
Khaparale	1.40	24.68			
Total	32.12	575.32			
CPP					
JSW JAIGAD	25.81	467.54	1157	1022	824
WARDHA	7.22	159.08	334	239	344
Adani	22.36	514.57	1220	840	1234
Other CPPs	6.08	175.06			245
Total	61.47	1316.26			2647
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.14	196.79	473	316	500
Trombay 6	0.00	67.70	0	0	0
Trombay 7A	2.95	64.80	125	121	120
Trombay 7B	1.63	35.77	69	67	60
Trombay 8	5.14	112.13	251	186	250
TATA Hydro	6.99	114.99	436	90	447
Total	24.86	592.18			1377
REL					
1&2	10.39	241.12	526	396	500
Total	10.39	241.12			500
Cent Sect					
Share					3799
Total					3799

MS PG CL	Thermal	60.62	1618.61			2930
	Thml+Gas	70.88	1835.32			3370
	Hydro	15.70	205.35			1377
	Total	86.59	2040.67			4747
State Total		215.96	4279.84			13070

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Jul/2013

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	2511	409	441	3361	1272	2442	2518	3034	-501	-545	9590	78	9668	1750	11418	50.02
2	2541	245	386	3172	1210	2491	2398	3021	-447	-403	9502	51	9553	1605	11158	50.08
3	2599	155	412	3166	1274	2491	2454	2793	-418	-343	9392	51	9443	1528	10971	50.15
4	2602	139	432	3173	1330	2518	2403	2814	-381	-299	9549	51	9600	1499	11099	50.10
5	2636	140	441	3217	1231	2518	2419	3126	-419	-307	9812	51	9863	1511	11374	50.15
6	2596	252	443	3291	1228	2523	2563	3626	-428	-393	10301	52	10353	1616	11969	50.07
7	2695	339	369	3403	1263	2570	2627	4029	-494	-556	10720	52	10772	1767	12539	50.22
8	2689	623	390	3702	1284	2529	2833	3965	-493	-657	10834	52	10886	1930	12816	50.23
9	2601	899	370	3870	1300	2570	3173	3800	-508	-773	10794	51	10845	2238	13083	50.11
10	2567	1027	380	3974	1479	2685	3346	3560	-678	-1009	10716	51	10767	2559	13326	50.05
11	2518	585	386	3489	1453	2810	3532	3638	-882	-1013	10404	52	10456	2786	13242	50.07
12	2480	347	455	3282	1377	2874	3571	3600	-1024	-1013	10145	52	10197	2834	13031	50.00
13	2496	538	439	3473	1309	2691	3460	3506	-922	-1015	9989	104	10093	2795	12888	50.00
14	2507	371	441	3319	1458	2608	3432	3365	-897	-939	9837	54	9891	2688	12579	50.03
15	2447	682	440	3569	1371	2651	3438	3238	-923	-1022	9833	53	9886	2719	12605	49.96
16	2451	523	438	3412	1354	2799	3410	3258	-895	-1110	9739	53	9792	2709	12501	49.93
17	2524	541	443	3508	1460	2629	3402	3443	-859	-1076	9990	53	10043	2691	12734	49.99
18	2473	612	457	3542	1365	2519	3213	3483	-696	-1018	9914	54	9968	2630	12598	50.07
19	2447	736	450	3633	1397	2475	3828	3971	-715	-990	10509	54	10563	2547	13110	50.00
20	2464	1410	450	4324	1410	2417	3735	3939	-697	-991	11126	54	11180	2532	13712	49.96
21	2449	1532	450	4431	1389	2484	3706	3874	-657	-973	11232	53	11285	2468	13753	50.03
22	2436	1150	453	4039	1309	2451	3591	3426	-623	-892	10360	53	10413	2368	12781	49.98
23	2450	1551	455	4456	1369	2398	2815	2692	-606	-729	10196	53	10249	2206	12455	50.00
24	2439	897	444	3780	1231	2328	3082	2824	-545	-679	9511	53	9564	2019	11583	50.08
MUs	60.62	15.70	10.26	86.59	32.12	61.47	74.95	82.02	-15.71	-18.74	244.00	1.34	245.33	54.00	299.32	50.05

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 22/Jul/2013

Position as on 6.30 Hrs of 23/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Cent_Sect NTPC(V-10)	500	06/06/2013	00.01		Continued.	A/OH.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
Uran Unit 6	108	12/07/2013	16.38		Continued.	Gas Shortage.	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	15/07/2013	15.10		Continued.	Gas Shortage	
CPP Adani U-2	660	15/07/2013	22.24		Continued.	Boiler Tube Leakage	
CPP VIPL	300	17/07/2013	12.03		Continued.	Turbine.	
Chandrapur Unit 2	210	19/07/2013	00.50		Continued.	Furnace Draft High.	
Chandrapur Unit 6	500	19/07/2013	14.49		Continued.	UAT Problem.	
Chandrapur Unit 7	500	19/07/2013	15.49		Continued.	CEP Problem.	
CPP WPCL U-1	135	19/07/2013	16.17		Continued.	Wet coal problem.	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Koradi Unit 6	210	20/07/2013	21.27		Continued.	Boiler Tube Leakage	
CPP INDIABULLS	270	22/07/2013	10:35		Continued.	Fuel Loss.	
Khaparkheda Unit 3	210	22/07/2013	17:30	22/07/2013	21:50	Furance Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2013

Position as on 6.30 Hrs of 23/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	23/07/2013	00:53	23/07/2013	05:36	Red Hot R Phase CT clamp connector.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/07/2013	10.36	23/07/2013	06:43	Over Voltage.
Parli (PGCIL)-Bhadravati-II	17/07/2013	21.02		Continued.	Over Voltage.
Dhule-S'Sarovar I	20/07/2013	01.42	22/07/2013	11:02	Over Voltage.
Parly(PG)- Solapur(PG) - I	20/07/2013	04.35		Continued.	Over Voltage
Solapur - Solapur (PG)	21/07/2013	15.13	22/07/2013	07:47	Over Voltage
Solapur - Solapur (PG)	22/07/2013	13:11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	22/07/2013	16:46		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.(RFC 24.06.13, 18.40Hrs)
Kolhapur - Mapusa - II	13/07/2013	03.30		Continued.	Over Voltage.
Chandrapur - Bhadravati - IV	19/07/2013	15.56		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	20/07/2013	23.56	22/07/2013	09:42	Over Voltage
Akola - Wardha - II	21/07/2013	01.15	22/07/2013	07:42	Over Voltage
Kolhapur-Solapur (PG) II	22/07/2013	01.40	22/07/2013	06.20	Over Voltage
Parly(PG) - Wardha (PG) - I	22/07/2013	21:47	23/07/2013	05:29	Over Voltage.
Akola - Aurangabad - II	22/07/2013	23:00		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
220 KV Interconnector @ Kalwa	22/07/2013	11:25	22/07/2013	18:45	Hot Spot.
ONGC-Panvel TSS	22/07/2013	11:25	22/07/2013	18:45	Maintance Work.
New Paras TPS - Chikhali - I	22/07/2013	12:52	22/07/2013	13:59	Quarterly Maintainance Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ahmadnagar - Pathardi	18/07/2013	08.49		Continued.	Stringing of 132KV Aranvihra-Pathardi Line (Wind).
Akola-Akola MIDC	22/07/2013	10:20	22/07/2013	12:44	Quarterly Maintainance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2013

Position as on 6.30 Hrs of 23/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	11/07/2013	13.28	23/07/2013	05:42	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	12/07/2013	11.21		Continued.	Over Voltage.
400/220KV 315MVA ICT-III at Karad.	20/07/2013	17.05		Continued.	Handtripped from LV side
Chandrapur - Parli - I	22/07/2013	21:24		Continued.	Over Voltage.
Bableshtar-Aurangabad	23/07/2013	05:59		Continued.	To Control Line Loading.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	23/07/2013	05:30		Continued.	To Control line loding.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda-I	15/07/2013	02.31		Continued.	Over Voltage
Chandrapur - Parli - III	19/07/2013	16.57		Continued.	Over Voltage.
Karad-Jaigad I	20/07/2013	02.08	22/07/2013	09:24	Over Voltage.
Lonikand II-Parli II	22/07/2013	01.39	22/07/2013	07:24	Over Voltage
C'pur-Parli II	22/07/2013	01.40	22/07/2013	07:34	Over Voltage
Lonikand II-Parli II	22/07/2013	21:47		Continued.	Over Voltage.
Akola - Bhusawal	22/07/2013	23:00		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	22/07/2013	23:00		Continued.	Over Voltage.
Koradi - II - Indiabull	22/07/2013	23:00		Continued.	Over Voltage.
Karad-Jaigad I	23/07/2013	03:16		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Butibori-Abhijeet ckt.	19/07/2013	19.29		Continued.	Rain Water Entered in SwitchYard & C/R.
Lote - N.Koyna	22/07/2013	13:50	22/07/2013	14:23	Distance Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	22/07/2013	05.55	22/07/2013	06.15	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	0
Unit 7	210	170
	620	290
Bhusawal		
Unit 2	210	130
Unit 3	210	125
Unit 4	500	270
Unit 5	500	
	1420	525
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	175
	1130	175
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	320
Paras		
Unit 3	250	160
Unit 4	250	168
	500	328
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	250
	1340	940
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	32
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	213
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	1200	1050
WARDHA	405	320
Adani	1320	1234
Other CPPs	300	0
	3225	2604
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4187
	3455	4187