



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jul/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	61.820	1557.988	1) Gujrat	2.446	245.059
2) Hydro	14.724	189.647	2) Madhya Pradesh	17.293	347.858
3) Gas	10.700	206.445	3) Chattisgarh	7.450	140.560
Total MSGENCO	87.244	1954.080	4) Maharashtra	47.756	1103.276
B) 1) JSW JAIGAD	24.829	441.731	5) Goa	-3.824	-96.452
2) WPCL	7.002	151.860	6) TAPS 1&2 Injection	3.679	71.479
3) ADANI	20.830	492.210	7) RGPPL Injection	0.000	93.175
4) Other CPP / IPP	7.445	168.984	8) Pench (Excess)	-0.456	-5.982
5) Wind Generation	28.178	543.192	# Total Cent. Sector	74.344	1898.973
6) PENCH (MS)	0.456	5.982	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.829	-336.706
1) TPCL Thermal	16.714	459.325	G) Bilateral Power *		
2) TPCL Hydro	5.620	107.995	1) MSEDCL Bilateral	9.200	640.279
TOTAL TPCL	22.334	567.320	Include PX	-2.711	-62.672
3) REL Thermal	9.622	230.726	2) MUMBAI Bilateral	11.432	272.760
D) STATE			Include PX	0.179	37.895
1) Thermal (A1+C1+C3)	88.156	2248.039	3) MUMBAI Schedule	11.432	272.760
2) Hydro (A2+B5+C2)	20.800	303.624	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.700	206.445	1) MSEDCL	237.499	5320.306
4) Wind (B4)	28.178	543.192	2) TPCL	29.222	744.734
5) CPP (B1+B2+B3)	60.106	783.405	3) REL	15.559	389.988
TOTAL STATE	207.940	4084.705	TOTAL STATE	282.280	6455.028

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	2619	2628	2392
MSGENCO Hydro	728	1624	546
MSGENCO Gas	443	444	457
MSGENCO Total Generation	3790	4696	3395
Central Sector Receipt	3567	3079	2826
WIND	1053	1437	925
CPP / IPP	2554	2384	2477
Exchange with Mumbai	-578	-669	-297
MSEDCL DEMAND MET	10397	10947	9352
Load Shedding	59	56	57
MSEDCL DEMAND	10456	11003	9409
TPCL GENERATION	1082	1084	820
R-INFRA GENERATION	399	399	401
TPCL+R-INFRA DEMAND	2059	2152	1518
STATE DEMAND MET	12456	13099	10870
STATE DEMAND	12515	13155	10927
Frequency (Hz)	50.20	50.08	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 16:05 Hrs	49.78 Hz at 03:12 Hrs	50.15	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 21/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.90	46.17	140	95	100
Unit 6	0.00	55.98	0	0	0
Unit 7	3.41	32.08	160	110	90
Total	6.31	134.23			190
Bhusawal					
Unit 2	3.18	65.84	145	110	116
Unit 3	3.16	54.10	145	100	112
Unit 4	5.76	115.42	285	180	251
Unit 5	0.00	12.40	0	0	0
Total	12.10	247.76			479
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	4.49	10.70	209	172	220
Total	4.49	10.70			220
Chandrapur					
Unit 1	2.40	65.89	141	0	60
Unit 2	0.00	60.61	0	0	0
Unit 3	3.78	50.25	184	97	150
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	6.18	438.70			210
Paras					
Unit 3	3.60	78.92	166	137	144
Unit 4	4.05	87.14	187	147	144
Total	7.65	166.06			288
Khaparkheda					
Unit 1	3.18	41.53	165	105	160
Unit 2	3.03	59.42	165	85	160
Unit 3	3.57	63.53	160	130	180
Unit 4	3.73	81.32	169	140	180
Unit 5	3.41	128.65	215	78	250
Total	16.92	374.45			930
Nasik					
Unit 3	4.07	87.18	175	160	200
Unit 4	0.00	25.26	0	0	0
Unit 5	4.10	73.65	174	166	200
Total	8.17	186.09			400
Uran					
All Units	10.70	206.44	460	420	440
Total	10.70	206.44			440
PENCH (MS)					
Pench (MS)	0.46	5.98	27	10	0
Total	0.46	5.98			0
Koyna					
Stage 1-2	3.78	53.14	530	40	600
Stage 4	3.29	37.13	692	0	250
Stage 3	3.24	39.87	240	0	240
Kovna 12&4 Total	7.07	90.27			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.31	130.13			1090
Hydro					
KDPH	0.89	4.84	37	36	35
VTRNA	0.32	2.01	61	0	61
TILLARI	0.17	4.38	60	0	60
BHTGR/VEER	0.11	1.54	5	4	4
BHIRA T.R.	0.62	10.09	82	0	80
RNGR+BHTSA	0.44	1.29	19	18	0
BHANDARDRA	0.68	3.98	29	28	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.18	11.49	50	49	0
GHATGHAR	0.01	19.89	7	0	0
Total	4.42	59.51			240
Wind					
MalharPeth	1.40	25.33			
Vankuswadi	2.35	41.36			
ATIT	0.33	7.77			
Kale	0.68	14.54			
Satara	9.56	150.56			
Shirala	0.86	14.19			
K Mahankal	0.16	5.37			
Supa	0.26	5.58			
Vita	3.78	62.06			
Dondaicha	5.00	135.28			
Sakri	0.81	20.98			
Nandurbar	0.46	12.86			
Khandke	1.38	24.05			
Khaparale	1.14	23.28			
Total	28.18	543.19			
CPP					
JSW JAIGAD	24.83	441.73	1071	997	1059
WARDHA	7.00	151.86	325	178	320
Adani	20.83	492.21	1100	840	1234
Other CPPs	7.44	168.98			245
Total	60.11	1254.78			2858
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.61	188.65	320	315	500
Trombay 6	0.00	67.70	0	0	0
Trombay 7A	2.96	61.85	125	122	120
Trombay 7B	1.63	34.14	69	67	60
Trombay 8	4.51	106.99	190	186	250
TATA Hydro	5.62	108.00	387	72	447
Total	22.33	567.32			1377
REL					
1&2	9.62	230.73	405	399	500
Total	9.62	230.73			500
Cent Sect					
Share					3291
Total					3291

MS PG CL	Thermal	61.82	1557.99			2717
	Thml+Gas	72.52	1764.43			3157
	Hydro	14.72	189.65			1330
	Total	87.24	1954.08			4487
State Total		207.94	4084.70			12513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	2476	290	455	3221	955	2741	2984	3103	-481	-557	9489	81	9570	1762	11332	50.08
2	2433	260	455	3148	1070	2369	2847	3080	-458	-416	9277	57	9334	1642	10976	50.24
3	2435	300	457	3192	920	2435	2488	3229	-468	-343	9459	57	9516	1565	11081	50.02
4	2392	546	457	3395	925	2477	2479	2826	-458	-297	9352	57	9409	1518	10927	50.03
5	2472	376	458	3306	1000	2474	2606	3019	-454	-314	9511	57	9568	1536	11104	50.18
6	2512	319	460	3291	982	2505	2858	3498	-482	-357	9946	57	10003	1579	11582	50.07
7	2522	195	458	3175	978	2648	2907	3922	-503	-430	10320	57	10377	1598	11975	50.23
8	2637	554	456	3647	980	2557	2929	3667	-505	-450	10428	57	10485	1652	12137	50.20
9	2600	743	453	3796	1043	2540	3264	3533	-511	-464	10458	57	10515	1787	12302	50.10
10	2661	685	448	3794	1074	2526	3304	3560	-518	-498	10466	57	10523	1934	12457	50.12
11	2619	728	443	3790	1053	2554	3359	3567	-529	-578	10397	59	10456	2059	12515	50.20
12	2550	668	433	3651	1117	2599	3088	3315	-533	-623	10070	61	10131	2106	12237	50.16
13	2601	618	437	3656	1033	2586	2921	3255	-536	-608	9949	113	10062	2089	12151	50.12
14	2643	425	446	3514	1289	2543	2922	2424	-518	-571	9226	59	9285	2012	11297	50.17
15	2660	385	449	3494	1298	2472	2928	2526	-443	-621	9193	56	9249	1960	11209	50.21
16	2658	245	449	3352	1373	2511	2927	2603	-437	-620	9240	56	9296	1905	11201	50.30
17	2673	176	451	3300	1466	2471	2686	2788	-434	-700	9335	56	9391	1878	11269	50.30
18	2711	181	445	3337	1456	2456	2478	2749	-426	-666	9342	56	9398	1895	11293	50.28
19	2679	392	437	3508	1347	2480	2927	3153	-419	-577	9922	56	9978	1962	11940	50.10
20	2612	1558	443	4613	1320	2431	2767	2998	-428	-615	10767	56	10823	2103	12926	50.08
21	2628	1624	444	4696	1437	2384	2784	3079	-465	-669	10947	56	11003	2152	13155	50.08
22	2565	1545	424	4534	1324	2468	2641	2861	-491	-625	10573	56	10629	2108	12737	50.13
23	2557	1361	422	4340	1390	2457	2452	2574	-498	-638	10134	56	10190	2051	12241	50.04
24	2524	550	420	3494	1348	2422	2603	3015	-435	-592	9698	54	9752	1932	11684	50.08
MUs	61.82	14.72	10.70	87.24	28.18	60.11	68.15	74.34	-11.43	-12.83	237.50	1.44	238.94	44.78	283.73	50.15

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/Jul/2013

Position as on 6.30 Hrs of 22/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.	
Chandrapur Unit 1	210	20/07/2013	14.54	21/07/2013	03.54	Furnace pressure High.	
Koradi Unit 6	210	20/07/2013	21.27		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	21/07/2013	19.45	21/07/2013	21.19	Furnace Pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2013

Position as on 6.30 Hrs of 22/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/07/2013	10.36		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	17/07/2013	21.02		Continued.	Over Voltage.
Dhule-S'Sarovar I	20/07/2013	01.42		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	20/07/2013	04.35		Continued.	Over Voltage
Solapur - Solapur (PG)	20/07/2013	13.06	21/07/2013	06.53	Over Voltage
Solapur - Solapur (PG)	21/07/2013	15.13		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		Continued.	Over Voltage
Akola - Wardha - II	21/07/2013	01.15		Continued.	Over Voltage
Akola-Aurangabad--II	21/07/2013	01.15	21/07/2013	06.51	Over Voltage
Kolhapur-Solapur (PG) II	22/07/2013	01.40	22/07/2013	06.20	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.
Dahanu-Ghodbandar-II	21/07/2013	08.42	21/07/2013	16.08	Relay testing work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ahmadnagar - Pathardi	18/07/2013	08.49		Continued.	Stringing of 132KV Aranvihra-Pathardi Line (Wind).
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.
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	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
Lonikand- Koyna Stage IV	21/07/2013	00.06	21/07/2013	10.13	Over Voltage
Dhule - Babhaleshwar - I	21/07/2013	00.16	21/07/2013	06.01	Over Voltage
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2013

Position as on 6.30 Hrs of 22/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	21/07/2013	01.15	21/07/2013	05.50	Over Voltage
Akola - Bhusawal	21/07/2013	01.15	21/07/2013	06.55	Over Voltage
Lonikand II-Parli II	22/07/2013	01.39		Continued.	Over Voltage
C'pur-Parli II	22/07/2013	01.40		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.
Wadkhal - NDIL - I	21/07/2013	13.28	21/07/2013	15.33	3 Phase Fault
Wadkhal - Ndil - 2	21/07/2013	13.28	21/07/2013	15.28	3 Phase Fault
Wadkhal-NDIL-3	21/07/2013	13.28	21/07/2013	15.45	3 Phase Fault
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 22/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	0
Unit 7	210	165
	620	280
Bhusawal		
Unit 2	210	120
Unit 3	210	140
Unit 4	500	200
Unit 5	500	0
	1420	460
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	200
	1130	200
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	170
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	320
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	287
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	824
WARDHA	405	344
Adani	1320	1234
Other CPPs	300	245
	3225	2647
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	3799
	3455	3799