



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jul/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.512	2227.853	1) Gujrat	1.365	-20.003
2) Hydro	7.174	109.950	2) Madhya Pradesh	14.549	305.257
3) Gas	6.627	195.754	3) Chattisgarh	7.120	152.220
Total MSGENCO	112.313	2533.557	4) Maharashtra Net	71.745	1659.721
B) 1) JSW JAIGAD	19.913	518.859	(Incl. 765kV Solapur-Raichur)	-2.555	-80.256
2) WPCL	4.338	70.620	5) Goa	-5.933	-132.988
3) ADANI	29.950	882.953	6) TAPS 1&2 Injection	6.895	152.199
4) Other CPP / IPP	11.435	362.520	7) RGPPL Injection	0.000	0.000
5) Wind Generation	46.431	722.082	8) Pench (Excess)	-0.086	-2.871
6) PENCH (MS)	0.086	2.871	# Total Cent. Sector	95.655	2113.535
7) SOLAR	0.729	16.791	F) Other Exchanges		
C) 1) TPCL Thermal	15.269	362.536	1) With TPCL (Excess)	-26.707	-521.209
2) TPCL Hydro	4.053	51.586	G) Bilateral Power *		
TOTAL TPCL	19.322	414.122	1) MSEDCL Bilateral	12.036	636.427
3) REL Thermal	12.250	240.458	Include PX	-5.744	104.357
D) STATE			2) MUMBAI Bilateral	22.022	514.009
1) Thermal (A1+C1+C3)	126.031	2830.847	Include PX	5.212	47.542
2) Hydro (A2+B6+C2)	11.313	164.407	3) MUMBAI Schedule	22.022	523.013
3) Gas (A3)	6.627	195.754	H) ENERGY CATERED (MUs)		
4) Wind (B5)	46.431	722.082	1) MSEDCL	294.143	6702.579
5) CPP/IPP (B1+B2+B3+B4)	65.636	1834.952	2) TPCL	37.102	743.335
6) SOLAR (B7)	0.729	16.791	3) REL	21.178	432.438
TOTAL STATE	256.767	5764.833	TOTAL STATE	352.423	7878.352

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4134	4099	3922
MSGENCO Hydro	637	574	44
MSGENCO Gas	264	282	270
MSGENCO Total Generation	5035	4955	4236
Central Sector Receipt	4871	4230	3370
WIND	2018	1783	1995
CPP / IPP	2686	2994	2379
SOLAR	46	0	0
Exchange with Mumbai	-1078	-1257	-743
MSEDCL DEMAND MET	13578	12732	11237
Load Shedding	56	76	54
MSEDCL DEMAND	13634	12808	11291
TPCL GENERATION	750	939	531
R-INFRA GENERATION	522	522	453
TPCL+R-INFRA DEMAND	2350	2718	1727
STATE DEMAND MET	15928	15450	12964
STATE DEMAND	15984	15526	13018
Frequency (Hz)	49.94	49.78	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 12.52 Hrs	49.56 Hz at 19.30 Hrs	49.94	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/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.53	55.63	160	133	145
Unit 7	3.71	78.13	165	145	155
Total	7.24	133.76			300
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	3.29	40.64	160	125	125
Unit 4	8.68	179.36	415	290	376
Unit 5	7.21	159.96	345	220	338
Total	19.18	427.10			839
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.90	62.79	169	155	155
Unit 6	4.60	93.98	236	175	175
Unit 7	4.64	94.43	242	170	180
Total	13.14	251.20			510
Chandrapur					
Unit 1	3.11	45.10	133	126	130
Unit 2	1.62	68.75	156	0	150
Unit 3	3.71	52.64	166	134	170
Unit 4	3.85	86.33	183	130	210
Unit 5	9.48	201.83	445	365	450
Unit 6	8.48	183.68	366	334	400
Unit 7	0.00	0.00	0	0	0
Total	30.25	638.34			1510
Paras					
Unit 3	3.95	86.89	182	141	170
Unit 4	4.52	59.50	201	166	250
Total	8.47	146.39			420
Khaparkheda					
Unit 1	3.58	45.26	155	140	160
Unit 2	3.57	75.69	155	140	160
Unit 3	0.00	68.89	0	0	0
Unit 4	3.50	65.71	157	142	170
Unit 5	0.73	168.89	215	0	0
Total	11.39	424.43			490
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.41	82.45	194	170	198
Unit 5	4.44	82.62	195	175	180
Total	8.85	206.64			378
Uran					
All Units	6.63	195.75	322	257	270
Total	6.63	195.75			270
PENCH (MS)					
Pench (MS)	0.09	2.87	27	0	
Total	0.09	2.87			
Koyna					
Stage 1-2	3.40	33.72	385	40	520
Stage 4	0.17	0.91	86	0	250
Stage 3	1.47	19.49	174	0	320
Kovna 12&4 Total	3.57	34.63			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.04	54.12			1090
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.00	9.44	0	0	0
TILLARI	0.37	5.50	61	0	62
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.36	3.91	41	0	41
RNGR+BHTSA	0.00	2.37	0	0	0
BHANDARDRA	0.18	2.19	31	0	32
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.17	3.77	15	4	10
GHATGHAR	1.06	24.52	250	0	0
Total	2.13	55.83			145
Wind					
MalharPeth	1.40	20.96			
Vankuswadi	1.87	34.27			
ATIT	0.38	5.27			
Kale	0.94	15.31			
Satara	20.53	334.00			
Shirala	1.49	19.89			
K Mahankal	0.14	2.39			
Supa	0.37	6.08			
Vita	4.20	75.68			
Dondaicha	9.90	132.69			
Sakri	1.22	18.09			
Nandurbar	0.90	13.43			
Khandke	1.54	23.32			
Khaparale	1.56	20.70			
Total	46.43	722.08			
CPP					
JSW JAIGAD	19.91	518.86	910	724	825
WARDHA	4.34	70.62	187	171	185
Adani	29.95	882.95	1790	1030	1223
Other CPPs	11.44	351.83			445
Total	65.64	1824.26			2678
SOLAR					
Total	0.73	16.79			
Total	0.73	16.79			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.16	228.97	500	316	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.58	54.06	115	85	120
Trombay 7B	1.53	31.70	67	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.05	51.59	335	72	447
Total	19.32	414.12			1127
REL					
1&2	12.25	240.46	525	453	500
Total	12.25	240.46			500
Cent Sect					
Share					4296
Total					4296
MS PG CL	Thermal	98.51	2227.85		4447
	Thml+Gas	105.14	2423.61		4717
	Hydro	7.17	109.95		1235
	Total	112.31	2533.56		5952
State Total		256.77	5764.83		14553

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jul/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4078	189	276	4543	2049	2610	0	3372	3187	-603	-741	11648	82	11730	1981	13711	50.00
2	3902	64	266	4232	2013	2482	0	3328	3382	-559	-768	11341	54	11395	1839	13234	49.97
3	3874	54	266	4194	2077	2420	0	3310	3752	-543	-776	11667	54	11721	1766	13487	50.00
4	3922	44	270	4236	1995	2379	0	3299	3370	-532	-743	11237	54	11291	1727	13018	50.03
5	3932	49	277	4258	1886	2398	0	3306	3869	-539	-747	11664	54	11718	1731	13449	49.96
6	4063	204	266	4533	1882	2484	0	3446	4003	-591	-722	12180	56	12236	1808	14044	49.91
7	4102	414	269	4785	1771	2598	2	3840	4174	-642	-628	12702	57	12759	1881	14640	49.95
8	4123	749	267	5139	1852	2580	20	4070	4497	-700	-735	13353	57	13410	2008	15418	49.96
9	4134	637	264	5035	2018	2686	46	4698	4871	-909	-1078	13578	56	13634	2350	15984	49.94
10	4205	536	265	5006	1999	2677	52	4913	4790	-1135	-1307	13217	54	13271	2681	15952	49.98
11	4222	452	265	4939	1950	2748	70	4609	4648	-1221	-1374	12981	56	13037	2888	15925	49.89
12	4147	390	270	4807	1977	2739	92	4510	4538	-1290	-1416	12737	57	12794	2947	15741	49.95
13	4187	190	265	4642	2030	2757	121	3994	4467	-1321	-1473	12544	114	12658	2942	15600	50.05
14	4184	96	257	4537	2051	2787	85	4233	4270	-1271	-1454	12276	60	12336	2906	15242	50.01
15	4195	125	257	4577	1914	2774	91	4486	4198	-1206	-1501	12053	60	12113	2940	15053	49.93
16	4064	155	264	4483	1903	2743	70	4152	4385	-1175	-1472	12112	68	12180	2931	15111	49.92
17	4012	216	260	4488	1779	2756	49	3933	4270	-1169	-1418	11924	73	11997	2919	14916	49.88
18	4103	446	263	4812	1616	2777	26	3460	3726	-1184	-1366	11614	70	11684	2840	14524	49.87
19	4072	665	289	5026	1631	2805	5	3572	3600	-1130	-1340	11754	66	11820	2750	14570	49.87
20	4099	574	282	4955	1783	2994	0	3923	4203	-1017	-1257	12705	76	12781	2718	15499	49.78
21	4208	459	305	4972	2140	3021	0	3799	3768	-936	-1123	12787	99	12886	2615	15501	49.84
22	4240	223	322	4785	1971	3099	0	3634	3581	-943	-1175	12261	78	12339	2471	14810	49.98
23	4229	133	322	4684	2096	3118	0	3473	3230	-817	-1123	12005	57	12062	2397	14459	49.90
24	4215	110	320	4645	2048	3204	0	3307	2876	-588	-970	11803	57	11860	2243	14103	49.98
MUs	98.51	7.17	6.63	112.31	46.43	65.64	0.73	92.67	95.66	-22.02	-26.71	294.14	1.57	295.71	58.28	353.99	49.94

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/2014

Position as on 6.30 Hrs of 22/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
Koyna Unit 7	80	17/07/2014	07.10		Continued.	AOH.	26/07/2014
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	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	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
CPP Adani U-4	660	10/07/2014	11.32		Continued.	Depletion in coal stock.	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Uran Unit 6	108	15/07/2014	16.24	21/07/2014	10.12	Gas Shortage.	
Uran Unit 5	108	17/07/2014	23.38		Continued.	Rotor Balancing Work of A0	23/07/2014
Uran Unit A0	120	17/07/2014	23.40		Continued.	Rotor Balancing Work of A0 Unit.	23/07/2014
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP Adani U-2	660	19/07/2014	04.28	21/07/2014	18.11	Leakage in HP by pass impulse line.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
Khaparkheda Unit 3	210	20/07/2014	10.30		Continued.	flame failure	
Khaparkheda Unit 5	500	20/07/2014	11.31	21/07/2014	19.43	pa fan problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 21/Jul/2014

Position as on 6.30 Hrs of 22/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP VIPL U-2	300	20/07/2014	23.02		Continued.	coal fidding problem	
Chandrapur Unit 2	210	21/07/2014	11.22		Continued.	Water Wall Tube Leakage.	
Uran Unit 6	108	22/07/2014	00.28		Continued.	Gas Shortage.	
CPP Adani U-3	660	22/07/2014	04.44		Continued.	Generator Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2014

Position as on 6.30 Hrs of 22/Jul/2014

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	17/07/2014	06.21	21/07/2014	11.07	Over Voltage.
Kolhapur - Mapusa - I	20/07/2014	15.38	21/07/2014	09.16	over voltage
Dhule-Sar'Sarovar - I	20/07/2014	18.19	21/07/2014	08.57	over voltage
Kolhapur - Mapusa - II	21/07/2014	16.02		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/07/2014	16.11		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	22/07/2014	02.23		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
765 KV Seoni-Wardha-II	16/07/2014	03.01		Continued.	Over Voltage.
765KV Aurangabad PG-Wardha PG-I	16/07/2014	03.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Auxiliary Bus @ Babaleshwar	15/07/2014	15.25		Continued.	Stu Bus Stringing & Erection Work of 400KV End Bay.(3 Days Outage)
400/220 KV Spare ICT @ Lonikand.	21/07/2014	09.24		Continued.	Recommising of Old CT Under JICA-II.
TBC @ Kharghar	21/07/2014	11.25		Continued.	Repl.of B Bus R Ph Isolator.(3Days)
Jejuri - Koyna Stage IV (406) Own Brekar	21/07/2014	12.25	21/07/2014	13.17	Attending Hot Spot on 406 R Ph.CT.
Main Bus-II at Akola	21/07/2014	13.07	21/07/2014	17.49	For Carrying Out Primary Injection Stability Test of Busbar.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Momewadi -Halkarni	21/07/2014	10.05	21/07/2014	12.30	Q.M.Work.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	21/07/2014	13.00	21/07/2014	18.05	Attending Hot Spot @ VIPL End.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	18/07/2014	19.28		Continued.	Over Voltage.
Karad - Kolhapur - II	20/07/2014	16.07	21/07/2014	07.30	over voltage
Karad-Jaigad I	20/07/2014	16.35	21/07/2014	08.50	over voltage
Lonikand-Stage4	20/07/2014	22.05	21/07/2014	07.05	over voltage
Padgha - Nagothane - I	21/07/2014	00.13	21/07/2014	07.54	over voltage
Akola - Akola-II - II	21/07/2014	12.12	21/07/2014	21.22	Main Bus-II Outage.
Karad - Kolhapur - II	21/07/2014	16.11		Continued.	Over Voltage.
Karad-Jaigad I	21/07/2014	16.14		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/07/2014	23.04	22/07/2014	06.34	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2014

Position as on 6.30 Hrs of 22/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
Chandrapur - Warora - II.	15/07/2014	02.40		Continued.	Tripped at Warora end only
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Mudshingi - Peth	22/07/2014	01.45	22/07/2014	05.20	CC Burst,Bypassing CC Line Taken I/S.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	376
Unit 5	500	338
	1420	839
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	175
Unit 7	250	175
	1130	500
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	160
Unit 4	210	170
Unit 5	500	400
Unit 6	500	360
Unit 7	500	0
	2340	1230
Paras		
Unit 3	250	190
Unit 4	250	220
	500	410
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	170
Unit 5	500	300
	1340	790
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	270
	852	270
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	29
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	141
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	825
WARDHA	405	185
Adani	2640	1223
Other CPPs	300	440
	4545	2673
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4031
	3455	4031