



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jul/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.879	110.879	1) Gujrat	8.170	8.170
2) Hydro	5.180	5.180	2) Madhya Pradesh	20.500	20.500
3) Gas	10.320	10.320	3) Chattisgarh	9.680	9.680
Total MSGENCO	126.379	126.379	4) Maharashtra Net	89.798	89.798
B) 1) JSW JAIGAD	27.634	27.634	(Incl. 765kV Solapur-Raichur)	-6.074	-6.074
2) WPCL	2.249	2.249	5) Goa	-7.141	-7.141
3) ADANI	56.730	56.730	6) TAPS 1&2 Injection	7.257	7.257
4) Other CPP / IPP	16.747	16.747	7) RGPPL Injection	0.000	0.000
5) Wind Generation	31.695	31.695	8) Pench (Excess)	-0.100	-0.100
6) PENCH (MS)	0.100	0.100			
7) SOLAR	1.134	1.134	# Total Cent. Sector	128.164	128.164
C) 1) TPCL Thermal	21.247	21.247	F) Other Exchanges		
2) TPCL Hydro	3.132	3.132	1) With TPCL (Excess)	-29.039	-29.039
TOTAL TPCL	24.379	24.379	G) Bilateral Power *		
3) REL Thermal	12.470	12.470	1) MSEDCL Bilateral	41.694	41.694
D) STATE			Include PX	15.535	15.535
1) Thermal (A1+C1+C3)	144.596	144.596	2) MUMBAI Bilateral	30.429	30.429
2) Hydro (A2+B6+C2)	8.412	8.412	Include PX	3.716	3.716
3) Gas (A3)	10.320	10.320	3) MUMBAI Schedule	30.429	30.429
4) Wind (B5)	31.695	31.695	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	103.360	103.360	1) MSEDCL	361.793	361.793
6) SOLAR (B7)	1.134	1.134	2) TPCL	41.404	41.404
TOTAL STATE	299.517	299.517	3) REL	24.484	24.484
			TOTAL STATE	427.681	427.681

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 6 Hrs
MSGENCO Thermal	5024	4686	4618
MSGENCO Hydro	204	518	79
MSGENCO Gas	427	426	437
MSGENCO Total Generation	5655	5630	5134
Central Sector Receipt	6271	5946	4369
WIND	1039	1385	1214
CPP / IPP	4343	4451	4158
SOLAR	162	92	0
Exchange with Mumbai	-1478	-1478	-747
MSEDCL DEMAND MET	15992	16026	14128
Load Shedding	110	62	52
MSEDCL DEMAND	16102	16088	14180
TPCL GENERATION	1243	1259	838
R-INFRA GENERATION	518	520	521
TPCL+R-INFRA DEMAND	3239	3257	2106
STATE DEMAND MET	19231	19283	16234
STATE DEMAND	19341	19345	16286
Frequency (Hz)	49.96	49.94	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17:54 Hrs	49.74 Hz at 20:11 Hrs	49.97	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 01/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	0.00	0.00	0	0	0
Unit 7	3.78	3.78	180	129	170
Total	3.78	3.78			170
Bhusawal					
Unit 2	3.14	3.14	140	120	120
Unit 3	3.04	3.04	135	115	130
Unit 4	9.25	9.25	500	285	400
Unit 5	8.28	8.28	410	305	320
Total	23.71	23.71			970
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	4.01	4.01	186	160	172
Unit 7	4.17	4.17	181	167	165
Total	8.18	8.18			337
Chandrapur					
Unit 1	3.17	3.17	136	130	145
Unit 2	3.77	3.77	162	148	160
Unit 3	3.88	3.88	177	144	185
Unit 4	4.53	4.53	198	176	210
Unit 5	10.30	10.30	440	398	450
Unit 6	9.44	9.44	410	358	400
Unit 7	0.00	0.00	0	0	0
Total	35.08	35.08			1550
Paras					
Unit 3	3.70	3.70	176	136	170
Unit 4	3.42	3.42	188	109	190
Total	7.12	7.12			360
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.64	3.64	180	135	140
Unit 3	3.82	3.82	200	129	140
Unit 4	3.71	3.71	184	141	140
Unit 5	8.66	8.66	500	291	350
Total	19.83	19.83			770
Nasik					
Unit 3	4.30	4.30	185	170	190
Unit 4	4.48	4.48	198	170	198
Unit 5	4.40	4.40	190	172	190
Total	13.17	13.17			578
Uran					
All Units	10.32	10.32	442	358	450
Total	10.32	10.32			450
PENCH (MS)					
Pench (MS)	0.10	0.10	27	0	
Total	0.10	0.10			
Koyna					
Stage 1-2	1.54	1.54	280	40	600
Stage 4	0.00	0.00	0	0	250
Stage 3	0.42	0.42	80	0	240
Kovna 12&4 Total	1.54	1.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.96	1.96			1090
Hydro					
KDPH	0.43	0.43	19	10	20
VTRNA	0.38	0.38	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.04	0.04	20	0	40
RNGR+BHTSA	0.01	0.01	1	0	1
BHANDARDRA	0.17	0.17	8	7	5
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.35	0.35	21	12	3
GHATGHAR	1.84	1.84	250	0	
Total	3.22	3.22			130
Wind					
MalharPeth	0.87	0.87			
Vankuswadi	1.65	1.65			
ATIT	0.21	0.21			
Kale	0.47	0.47			
Satara	12.00	12.00			
Shirala	0.65	0.65			
K Mahankal	0.05	0.05			
Supa	0.33	0.33			
Vita	2.34	2.34			
Dondaicha	8.86	8.86			
Sakri	1.26	1.26			
Nandurbar	0.93	0.93			
Khandke	0.74	0.74			
Khaparale	1.34	1.34			
Total	31.70	31.70			
CPP					
JSW JAIGAD	27.63	27.63	1194	1028	1100
WARDHA	2.25	2.25	96	91	93
Adani	56.73	56.73	2468	2262	2446
Other CPPs	16.75	16.75			500
Total	103.36	103.36			4139
SOLAR					
Total	1.13	1.13			
Total	1.13	1.13			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.93	11.93	502	474	500
Trombay 6	5.43	5.43	380	153	500
Trombay 7A	2.42	2.42	124	68	120
Trombay 7B	1.47	1.47	69	51	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.13	3.13	266	2	447
Total	24.38	24.38			1627
REL					
1&2	12.47	12.47	522	518	500
Total	12.47	12.47			500
Cent Sect					
Share					6081
Total					6081
MS PG CL	Thermal	110.88	110.88		4735
	Thml+Gas	121.20	121.20		5185
	Hydro	5.18	5.18		1220
	Total	126.38	126.38		6405
State Total		299.52	299.52		18752

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4607	81	430	5118	1330	4268	0	5226	5638	-1130	-1161	15193	80	15273	2586	17859	49.92
2	4589	80	436	5105	1412	4240	0	5121	5258	-964	-987	15028	52	15080	2364	17444	50.02
3	4550	85	435	5070	1334	4141	0	4910	5125	-878	-883	14787	52	14839	2223	17062	50.03
4	4560	80	439	5079	1261	4114	0	4757	4781	-849	-746	14489	52	14541	2111	16652	50.05
5	4558	80	438	5076	1279	4064	0	4756	4939	-848	-707	14651	52	14703	2072	16775	50.07
6	4618	79	437	5134	1214	4158	0	5155	4369	-952	-747	14128	52	14180	2106	16286	50.05
7	4605	159	435	5199	1045	4267	10	5194	5792	-1021	-772	15541	58	15599	2122	17721	50.10
8	4607	228	442	5277	936	4325	28	5334	6029	-1144	-861	15734	58	15792	2220	18012	50.05
9	4628	433	435	5496	1022	4097	71	5483	6335	-1245	-1232	15789	58	15847	2598	18445	49.95
10	4607	528	442	5577	990	4220	99	6043	6414	-1439	-1382	15918	58	15976	2886	18862	49.87
11	4574	538	440	5552	965	4316	128	6354	6610	-1581	-1467	16104	58	16162	3073	19235	49.95
12	4766	462	426	5654	987	4369	148	6305	6285	-1545	-1533	15910	56	15966	3249	19215	50.01
13	5024	204	427	5655	1039	4343	162	5890	6271	-1553	-1478	15992	110	16102	3239	19341	49.96
14	5072	204	426	5702	1164	4396	154	5324	5583	-1481	-1404	15595	58	15653	3168	18821	49.91
15	4955	203	427	5585	1208	4442	117	5645	5491	-1503	-1480	15363	59	15422	3251	18673	49.87
16	4686	518	426	5630	1385	4451	92	5579	5946	-1536	-1478	16026	62	16088	3257	19345	49.94
17	4508	353	427	5288	1662	4431	73	5300	5607	-1607	-1479	15582	61	15643	3236	18879	49.96
18	4440	240	432	5112	1943	4426	46	4361	4267	-1455	-1434	14360	58	14418	3131	17549	50.07
19	4390	153	433	4976	1931	4294	6	3709	3138	-1210	-1277	13074	56	13130	2933	16063	50.04
20	4432	154	430	5016	1841	4317	0	4172	4481	-1202	-1313	14369	56	14425	2875	17300	49.93
21	4516	83	433	5032	1649	4449	0	4660	4654	-1382	-1300	14511	56	14567	2840	17407	49.88
22	4535	79	433	5047	1392	4416	0	4619	4475	-1302	-1294	14063	56	14119	2790	16909	49.88
23	4531	78	433	5042	1337	4393	0	4786	5291	-1295	-1306	14770	54	14824	2788	17612	49.88
24	4521	78	358	4957	1369	4423	0	4996	5385	-1306	-1318	14816	54	14870	2770	17640	49.98
MUs	110.88	5.18	10.32	126.38	31.70	103.36	1.13	123.68	128.16	-30.43	-29.04	361.79	1.43	363.22	65.89	429.11	49.97

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 01/Jul/2014

Position as on 6.30 Hrs of 02/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.	
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.	
CPP IPL U-2	270	28/06/2014	20.17	01/07/2014	09.26	Feed water Line Leakage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jul/2014

Position as on 6.30 Hrs of 02/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	01/07/2014	13.51	01/07/2014	19.40	Replacement of Insulator.
765 KV Solapur - Raichur - II	02/07/2014	12.05	02/07/2014	15.14	To Attend R,Y Ph W/T Work @ Solapur.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol-Nagothane - II	01/07/2014	16.37	02/07/2014	10.14	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	30/06/2014	16.46	01/07/2014	08.44	Over Voltage
Dhule-Sar'Sarovar - I	30/06/2014	18.15	01/07/2014	05.42	Over Voltage
Kolhapur - Mapusa - I	01/07/2014	18.10	02/07/2014	08.47	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyna - II	01/07/2014	04.32	01/07/2014	05.16	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	02/07/2014	07.07	02/07/2014	14.52	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-2 - Chandrapur-1	02/07/2014	17.04	02/07/2014	17.39	For Taking Line Reactor in Service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbhunder - Gorai	30/06/2014	10.08	01/07/2014	18.28	Attending SF6 Gas Leakage @ PT Chember.
Uran-Kharghar-II	30/06/2014	14.30	02/07/2014	10.28	Taken on TBC,For Bkr Overhauling for 3 Days.
Chandrapur MIDC-GEPL Ckt.I	01/07/2014	06.24	01/07/2014	13.26	For Testing Work.
Khaparkheda-Kawlewada-I	01/07/2014	09.03	01/07/2014	18.25	Conversion of SSN to DSN.
Khargar-Topworth	01/07/2014	11.05	01/07/2014	17.30	Replacement of Insulator.
Khaperkheda - Koradi	02/07/2014	08.49	02/07/2014	19.27	Conversion of SSN to DSN.
Khaperkheda-Purti	02/07/2014	09.31	02/07/2014	19.32	Conversion of SSN to DSN.
220/132KV 200MVA ICT-II at Ambazari	02/07/2014	09.32	02/07/2014	17.02	Attending Air Leakage of LV Breaker & Breaker Timing of HV LV Breaker,Tan Delta Measurment Work,Premansoon Maintenance Work.
Mudshingi - Chikodi	02/07/2014	10.11	02/07/2014	20.50	Replacement of Old Nut Bolt Clamp.
Mudshingi - Talandage - I	02/07/2014	10.12	02/07/2014	19.29	Replacement of Old Nut Bolt Clamp.
Bale - Tuljapur	02/07/2014	11.35	02/07/2014	14.34	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	30/06/2014	16.35	01/07/2014	06.15	Over Voltage.
Karad - Kolhapur - I	01/07/2014	17.03	02/07/2014	07.17	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
Parli-Usmanabad	02/07/2014	11.31	02/07/2014	14.34	Usmanbad S/S Load on Bale,in View of 220KV Tulzapur-Bale Under Outage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-III At Kalwa.	02/07/2014	04.36	02/07/2014	06.12	NDR.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jul/2014

Position as on 6.30 Hrs of 02/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220KV,500 MVA ICT-III At A'bad.	02/07/2014	14.33	02/07/2014	17.08	Tripped on NDR,Heavy Rain @ Aurangabad S/S load Trimming Schem Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - II	08/06/2014	00.53	02/07/2014	15.15	Distance Protection(Charged from Jalna end only at 21.00Hrs)
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)
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)
220/132KV 100MVA ICT I at Hingoli	30/06/2014	22.01	01/07/2014	04.22	220KV Bus Section-I Bus Bar Operated, B Ph PT Burst.
220/33 KV 25 MVA T/F I Hingoli	30/06/2014	22.01	01/07/2014	04.23	220KV Bus Section-I Bus Bar Operated, B Ph PT Burst.
Hingoli-Girawali	30/06/2014	22.01	01/07/2014	04.14	220KV Bus Section-I Bus Bar Operated, B Ph PT Burst.
220/132 KV 200 MVA ICT - I @ Borivali	01/07/2014	09.47	01/07/2014	12.05	While Testing.
Aurangabad-Jalna-I	02/07/2014	14.33	02/07/2014	15.10	Tripped on NDR,Heavy Rain @ Aurangabad S/S load Trimming Schem Operated.
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad-Jambazar	01/07/2014	19.53	01/07/2014	20.12	Distance Protection Operated Z-I B Ph.
Padegaon-Pishor	02/07/2014	14.33	02/07/2014	17.33	500 MVA ICT @ Aurangabad S/S Tripped on NDR,Heavy Rain @ Aurangabad S/S load Trimming Schem Operated.
Sawangi - Cosmo Films	02/07/2014	18.50	02/07/2014	22.21	Y Ph Metering C T Burst @ Gaps S/S.
Paras-Akot	02/07/2014	23.41	02/07/2014	23.49	Load Trimming Scheme Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	145
	620	145
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	390
Unit 5	500	355
	1420	1005
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	340
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	185
Unit 4	210	190
Unit 5	500	420
Unit 6	500	360
Unit 7	500	0
	2340	1460
Paras		
Unit 3	250	160
Unit 4	250	200
	500	360
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	190
Unit 4	210	198
Unit 5	210	190
	630	578
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	1
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	135
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	1194
WARDHA	405	96
Adani	2640	2468
Other CPPs	300	608
	4545	4366
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5978
	3455	5978