



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jul/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.011	1616.462	1) Gujrat	-3.098	-17.316
2) Hydro	4.213	75.296	2) Madhya Pradesh	11.587	226.223
3) Gas	12.485	151.081	3) Chattisgarh	7.600	116.690
Total MSGENCO	115.709	1842.839	4) Maharashtra Net	82.320	1260.098
B) 1) JSW JAIGAD	24.057	386.256	(Incl. 765kV Solapur-Raichur)	-2.504	-59.118
2) WPCL	4.448	45.426	5) Goa	-6.105	-96.835
3) ADANI	36.481	692.546	6) TAPS 1&2 Injection	7.220	108.738
4) Other CPP / IPP	15.033	271.050	7) RGPPL Injection	0.000	0.000
5) Wind Generation	34.204	458.839	8) Pench (Excess)	-0.260	-1.804
6) PENCH (MS)	0.260	1.804	# Total Cent. Sector	99.264	1595.794
7) SOLAR	0.423	12.871	F) Other Exchanges		
C) 1) TPCL Thermal	15.357	274.515	1) With TPCL (Excess)	-24.520	-368.144
2) TPCL Hydro	3.087	33.442	G) Bilateral Power *		
TOTAL TPCL	18.444	307.957	1) MSEDCL Bilateral	32.867	524.216
3) REL Thermal	12.131	168.817	Include PX	3.323	122.251
D) STATE			2) MUMBAI Bilateral	22.883	375.285
1) Thermal (A1+C1+C3)	126.499	2059.794	Include PX	1.932	33.149
2) Hydro (A2+B6+C2)	7.560	110.542	3) MUMBAI Schedule	22.883	383.972
3) Gas (A3)	12.485	151.081	H) ENERGY CATERED (MUs)		
4) Wind (B5)	34.204	458.839	1) MSEDCL	305.359	4939.281
5) CPP/IPP (B1+B2+B3+B4)	80.019	1395.278	2) TPCL	35.310	535.398
6) SOLAR (B7)	0.423	12.871	3) REL	19.784	309.510
TOTAL STATE	261.190	4188.405	TOTAL STATE	360.453	5784.189

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4133	4212	4044
MSGENCO Hydro	235	186	54
MSGENCO Gas	572	569	575
MSGENCO Total Generation	4940	4967	4673
Central Sector Receipt	4823	4177	3593
WIND	1476	1729	1209
CPP / IPP	3743	3177	3206
SOLAR	47	72	0
Exchange with Mumbai	-1304	-1201	-709
MSEDCL DEMAND MET	13725	12921	11992
Load Shedding	52	54	51
MSEDCL DEMAND	13777	12975	12043
TPCL GENERATION	1056	974	499
R-INFRA GENERATION	521	523	456
TPCL+R-INFRA DEMAND	2881	2698	1664
STATE DEMAND MET	16606	15619	13656
STATE DEMAND	16658	15673	13707
Frequency (Hz)	49.98	49.90	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 12.54 Hrs	49.64 Hz at 03.02 Hrs	49.95	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 15/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	3.59	35.22	166	135	150
Unit 7	3.67	56.46	180	130	160
Total	7.26	91.68			310
Bhusawal					
Unit 2	3.43	37.06	155	125	138
Unit 3	0.00	32.23	0	0	0
Unit 4	7.66	130.79	365	280	309
Unit 5	7.70	117.96	350	290	331
Total	18.78	318.03			778
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.75	40.16	163	146	155
Unit 6	4.45	67.26	197	175	175
Unit 7	4.42	67.69	191	177	174
Total	12.63	175.12			504
Chandrapur					
Unit 1	2.90	27.46	131	112	135
Unit 2	3.21	51.70	155	118	155
Unit 3	0.00	41.44	0	0	0
Unit 4	3.76	63.20	178	130	170
Unit 5	9.22	145.92	430	345	410
Unit 6	8.42	134.14	377	310	400
Unit 7	0.00	0.00	0	0	0
Total	27.51	463.85			1270
Paras					
Unit 3	3.97	62.46	181	154	200
Unit 4	0.00	43.12	0	0	0
Total	3.97	105.57			200
Khaparkheda					
Unit 1	1.50	23.92	155	0	0
Unit 2	3.54	54.64	165	130	160
Unit 3	3.52	52.99	155	140	170
Unit 4	3.56	44.37	156	142	170
Unit 5	8.29	130.02	365	330	350
Total	20.40	305.93			850
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.25	57.27	190	170	198
Unit 5	4.21	57.44	186	170	190
Total	8.46	156.28			388
Uran					
All Units	12.48	151.08	579	410	590
Total	12.48	151.08			590
PENCH (MS)					
Pench (MS)	0.26	1.80	27	0	
Total	0.26	1.80			
Koyna					
Stage 1-2	1.24	24.34	250	40	600
Stage 4	0.00	0.58	0	0	250
Stage 3	1.20	9.66	160	0	320
Kovna 12&4 Total	1.24	24.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.44	34.58			1170
Hydro					
KDPH	0.00	4.14	0	0	17
VTRNA	0.56	7.73	61	0	61
TILLARI	0.09	1.38	62	0	64
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	1.29	40	0	40
RNGR+BHTSA	0.26	2.37	11	10	10
BHANDARDRA	0.00	1.27	0	0	9
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.13	3.19	13	3	10
GHATGHAR	0.35	19.36	125	0	
Total	1.77	40.72			211
Wind					
MalharPeth	1.20	13.39			
Vankuswadi	1.79	25.33			
ATIT	0.30	3.31			
Kale	0.90	9.16			
Satara	20.08	204.55			
Shirala	1.13	11.40			
K Mahankal	0.14	1.25			
Supa	0.33	3.47			
Vita	4.68	44.98			
Dondaicha	1.30	93.31			
Sakri	0.31	12.90			
Nandurbar	0.08	10.18			
Khandke	1.27	12.33			
Khaparale	0.70	13.30			
Total	34.20	458.84			
CPP					
JSW JAIGAD	24.06	386.26	1187	880	1215
WARDHA	4.45	45.43	196	161	195
Adani	36.48	692.55	1835	1100	1851
Other CPPs	15.03	260.36			745
Total	80.02	1384.58			4006
SOLAR					
Total	0.42	12.87			
Total	0.42	12.87			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.89	167.60	498	318	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.87	36.94	127	102	120
Trombay 7B	1.60	22.17	70	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.09	33.44	395	0	447
Total	18.44	307.96			1127
REL					
1&2	12.13	168.82	524	453	500
Total	12.13	168.82			500
Cent Sect					
Share					4941
Total					4941
MS PG CL	Thermal	99.01	1616.46		4300
	Thml+Gas	111.50	1767.54		4890
	Hydro	4.21	75.30		1381
	Total	115.71	1842.84		6271
State Total		261.19	4188.40		16845

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4087	54	575	4716	1185	3642	0	3762	3715	-792	-759	12499	79	12578	1886	14464	50.00
2	4080	64	575	4719	1251	3372	0	3760	3624	-804	-789	12177	51	12228	1744	13972	49.96
3	4044	54	575	4673	1209	3206	0	3761	3573	-779	-709	11972	51	12023	1664	13687	49.95
4	4027	64	575	4666	1153	3113	0	3761	3805	-768	-668	12089	51	12140	1628	13768	49.87
5	4017	54	576	4647	1193	3141	0	3761	3936	-770	-671	12269	51	12320	1629	13949	49.88
6	4173	59	575	4807	1062	3522	0	4005	4073	-834	-663	12811	51	12862	1732	14594	49.85
7	4194	74	577	4845	1110	3780	4	4158	4224	-955	-673	13295	53	13348	1858	15206	49.89
8	4144	300	577	5021	1245	3939	10	4347	4553	-1021	-811	13957	53	14010	2015	16025	49.92
9	4169	376	579	5124	1275	3831	22	4782	4396	-1117	-1081	13567	52	13619	2299	15918	49.98
10	4106	392	563	5061	1375	3765	28	4996	4370	-1197	-1240	13359	51	13410	2621	16031	49.94
11	4041	322	567	4930	1351	3748	25	4934	4780	-1286	-1329	13505	51	13556	2855	16411	49.96
12	4133	235	572	4940	1476	3743	47	4665	4823	-1285	-1304	13725	52	13777	2881	16658	49.98
13	4185	130	572	4887	1710	3399	62	4641	4326	-1273	-1273	13111	105	13216	2847	16063	50.07
14	4205	94	573	4872	1653	3208	73	4268	4177	-1209	-1172	12836	54	12890	2699	15589	49.99
15	4212	186	569	4967	1729	3177	72	4228	4177	-995	-1201	12921	54	12975	2698	15673	49.90
16	4147	124	564	4835	1641	3009	44	4510	4467	-1005	-1157	12839	53	12892	2671	15563	49.92
17	4108	304	417	4829	1762	2919	23	4196	4388	-1014	-1245	12689	53	12742	2651	15393	49.86
18	4136	185	415	4736	1632	3249	11	3766	3743	-975	-1277	12114	54	12168	2646	14814	49.96
19	4148	207	411	4766	1735	3353	2	3706	3743	-891	-1251	12371	55	12426	2583	15009	49.88
20	4158	204	410	4772	1546	3369	0	4606	4088	-863	-1183	12619	55	12674	2538	15212	49.96
21	4162	195	412	4769	1540	3139	0	4650	4604	-798	-1114	12965	54	13019	2465	15484	49.98
22	4131	238	414	4783	1526	2769	0	4297	4062	-734	-1062	12101	53	12154	2324	14478	50.04
23	4079	195	420	4694	1381	2739	0	4254	3776	-709	-937	11677	53	11730	2182	13912	50.05
24	4105	103	422	4630	1464	2887	0	3996	3841	-808	-951	11871	53	11924	1979	13903	50.10
MUs	98.99	4.21	12.48	115.69	34.20	80.02	0.42	101.81	99.26	-22.88	-24.52	305.34	1.34	306.68	55.10	361.78	49.95

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 15/Jul/2014

Position as on 6.30 Hrs of 16/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.	
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.	
Bhusawal Unit 3	210	11/07/2014	22.25		Continued.	Coal shortage.	
Paras Unit 4	250	12/07/2014	10.37		Continued.	Drum level low	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Khaparkheda Unit 1	210	13/07/2014	20.18	15/07/2014	11.42	Governing system problem	
Chandrapur Unit 3	210	14/07/2014	22.05		Continued.	Super Heater safety Valve Repair work	
CPP VIPL U-1	300	15/07/2014	13.51	15/07/2014	21.02	Generator Protection.	
Uran Unit 6	108	15/07/2014	16.24		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2014

Position as on 6.30 Hrs of 16/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	14/07/2014	16.18		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	15/07/2014	00.56	15/07/2014	08.58	Over Voltage
Kolhapur-Solapur(PGCIL)-I	16/07/2014	03.57		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/07/2014	20.42		Continued.	Distance Protection
Dhule-Sar'Sarovar - I	14/07/2014	21.37	15/07/2014	18.21	Distance Protection
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Talangade-Chikodi	15/07/2014	02.15	15/07/2014	02.51	Tripped at Chikodi end only
Talangade-Chikodi	15/07/2014	03.24	15/07/2014	15.24	Tripped at Chikodi end only
Tillary-Amona	15/07/2014	23.58		Continued.	Distance Protection.
Mahalakshmi - Amona	16/07/2014	00.14	16/07/2014	01.17	Distance Protection.
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)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand -Theur - II	09/07/2014	10.30		Continued.	C & R Panel Replacement,Taken on TBC 2 Days.
Usmanabad-Paranda	15/07/2014	10.14	15/07/2014	17.25	Replacement & Tightening of NutBolts & Jumpers @ Various Loc.
220/132 KV 100 MVA IBT @ Parli-I	15/07/2014	10.32	15/07/2014	12.49	Q.M. & Attending Hot Spot on B Ph CT & B Ph Isolator Jaw.
Miraj - Mhaisal	15/07/2014	11.06	15/07/2014	13.11	Replacement of Piolet String R Ph CT & Line Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	14/07/2014	16.10		Continued.	Over Voltage
Karad-Jaigad I	14/07/2014	17.07		Continued.	Over Voltage
Bhusawal- Aurangabad	14/07/2014	18.49		Continued.	Over Voltage
Karad - Kolhapur - I	15/07/2014	17.07		Continued.	Over Voltage.
Lonikand-Stage4	15/07/2014	22.45		Continued.	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
Aurangabad - Babaleshwar	14/07/2014	22.31	15/07/2014	01.04	Hot Spot
Voltage Level : 400KV			Outage Type TRIPPED		
400 KV TBC @ Lonikand	12/07/2014	7.36	15/07/2014	19.44	y-ph ct bust due to this all line and equip
Warora- Tirora -II	15/07/2014	02.40	15/07/2014	05.53	On NDR, Tripped @ Warora End Only.
Akola-II - Taptithanda	16/07/2014	03.52	16/07/2014	06.40	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2014

Position as on 6.30 Hrs of 16/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					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)
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
Karad-Wathar	15/07/2014	13.04		Continued.	DistanceProtection,Y Ph Cutpoint,Y Ph Jumper Broken.
Halkarni -Tillary	15/07/2014	23.58		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Ardhapur-Kurunda	15/07/2014	02.30	15/07/2014	03.10	Distance Protection Operated Z-I B Ph. -E

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	148
	620	298
Bhusawal		
Unit 2	210	135
Unit 3	210	0
Unit 4	500	289
Unit 5	500	249
	1420	673
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	186
Unit 7	250	189
	1130	530
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1370
Paras		
Unit 3	250	170
Unit 4	250	0
	500	170
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1010
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	183
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	1215
WARDHA	405	195
Adani	2640	1846
Other CPPs	300	745
	4545	4001
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	4913
	3455	4913