



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jun/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.490	3057.121	1) Gujrat	1.680	103.439
2) Hydro	8.690	127.416	2) Madhya Pradesh	17.634	509.076
3) Gas	10.132	293.212	3) Chattisgarh	7.730	235.010
Total MSGENCO	142.312	3477.749	4) Maharashtra Net	89.741	2254.105
B) 1) JSW JAIGAD	20.410	586.511	(Incl. 765kV Solapur-Raichur)	-1.177	-21.161
2) WPCL	2.525	14.326	5) Goa	-7.579	-173.749
3) ADANI	42.946	1003.807	6) TAPS 1&2 Injection	7.242	171.455
4) Other CPP / IPP	19.364	439.339	7) RGPPL Injection	0.000	0.000
5) Wind Generation	26.609	758.108	8) Pench (Excess)	-0.588	-4.934
6) PENCH (MS)	0.588	4.934			
7) SOLAR	1.078	25.316	# Total Cent. Sector	115.860	3094.402
C) 1) TPCL Thermal	21.376	494.140	F) Other Exchanges		
2) TPCL Hydro	3.611	112.537	1) With TPCL (Excess)	-27.803	-713.628
TOTAL TPCL	24.987	606.677	G) Bilateral Power *		
3) REL Thermal	12.499	321.567	1) MSEDCL Bilateral	16.508	595.188
D) STATE			Include PX	-1.883	76.592
1) Thermal (A1+C1+C3)	157.365	3872.828	2) MUMBAI Bilateral	30.521	664.767
2) Hydro (A2+B6+C2)	12.889	244.887	Include PX	4.286	110.100
3) Gas (A3)	10.132	293.212	3) MUMBAI Schedule	30.521	669.662
4) Wind (B5)	26.609	758.108	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	85.245	2043.983	1) MSEDCL	343.889	8690.864
6) SOLAR (B7)	1.078	25.316	2) TPCL	40.997	1035.717
TOTAL STATE	293.318	7238.334	3) REL	24.290	606.038
			TOTAL STATE	409.176	10332.619

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5403	5685	4924
MSGENCO Hydro	999	122	85
MSGENCO Gas	348	424	435
MSGENCO Total Generation	6750	6231	5444
Central Sector Receipt	4962	5259	4662
WIND	1033	1016	1226
CPP / IPP	3577	3543	3534
SOLAR	147	134	0
Exchange with Mumbai	-1369	-1390	-705
MSEDCL DEMAND MET	15126	14817	14185
Load Shedding	856	934	28
MSEDCL DEMAND	15982	15751	14213
TPCL GENERATION	1325	1241	825
R-INFRA GENERATION	521	520	522
TPCL+R-INFRA DEMAND	3215	3151	2052
STATE DEMAND MET	18341	17968	16237
STATE DEMAND	19197	18902	16265
Frequency (Hz)	49.77	49.74	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 17:53 Hrs	49.38 Hz at 21:59 Hrs	49.84	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 26/Jun/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	14.31	0	0	0
Unit 6	3.63	81.86	162	137	146
Unit 7	3.82	82.16	176	135	165
Total	7.45	178.33			311
Bhusawal					
Unit 2	3.52	17.28	165	130	135
Unit 3	3.46	85.88	160	130	150
Unit 4	9.90	223.86	500	335	350
Unit 5	9.12	203.74	420	305	350
Total	26.00	530.76			985
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.40	79.93	160	132	135
Unit 5	0.03	57.95	32	0	0
Unit 6	4.42	106.98	250	149	178
Unit 7	4.42	117.19	250	170	167
Total	12.28	362.05			480
Chandrapur					
Unit 1	3.15	81.80	137	126	150
Unit 2	3.70	70.06	160	150	165
Unit 3	3.77	86.66	170	143	185
Unit 4	4.50	112.36	198	174	210
Unit 5	9.97	211.28	440	370	450
Unit 6	9.50	206.35	413	369	400
Unit 7	0.00	124.70	0	0	0
Total	34.60	893.21			1560
Paras					
Unit 3	4.43	102.78	200	176	200
Unit 4	5.12	137.83	230	138	250
Total	9.55	240.61			450
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.84	96.20	175	140	160
Unit 3	4.07	104.69	213	150	170
Unit 4	3.93	86.63	205	141	170
Unit 5	8.86	216.00	500	312	400
Total	20.70	517.64			900
Nasik					
Unit 3	4.28	111.75	190	155	190
Unit 4	4.30	114.62	191	170	198
Unit 5	4.33	108.17	193	165	185
Total	12.91	334.53			573
Uran					
All Units	10.13	293.21	437	347	440
Total	10.13	293.21			440
PENCH (MS)					
Pench (MS)	0.59	4.93	27	23	0
Total	0.59	4.93			0
Koyna					
Stage 1-2	3.24	34.28	425	40	600
Stage 4	1.37	7.45	555	0	250
Stage 3	0.84	10.69	160	0	240
Kovna 12&4 Total	4.61	41.72			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.45	52.42			1090
Hydro					
KDPH	0.23	4.04	10	9	10
VTRNA	0.54	24.10	61	0	60
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.14	5.65	40	0	40
RNGR+BHTSA	0.23	6.17	10	9	10
BHANDARDRA	0.00	1.17	0	0	0
ELDARY	0.33	0.69	15	13	0
SMLHY PTN	0.14	6.24	12	3	12
GHATGHAR	1.63	26.82	250	0	0
Total	3.24	75.00			132
Wind					
MalharPeth	0.72	17.80			
Vankuswadi	1.34	31.26			
ATIT	0.17	5.12			
Kale	0.44	12.30			
Satara	10.49	332.34			
Shirala	0.58	16.79			
K Mahankal	0.06	2.26			
Supa	0.21	6.27			
Vita	2.33	72.28			
Dondaicha	6.68	169.33			
Sakri	1.02	25.85			
Nandurbar	0.78	16.41			
Khandke	0.87	26.15			
Khaparale	0.92	23.96			
Total	26.61	758.11			
CPP					
JSW JAIGAD	20.41	586.51	911	726	825
WARDHA	2.52	14.33	108	102	100
Adani	42.95	1003.81	1859	1745	1823
Other CPPs	19.36	439.34			665
Total	85.24	2043.98			3413
SOLAR					
Total	1.08	25.32			
Total	1.08	25.32			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	275.41	503	462	500
Trombay 6	5.24	109.84	394	152	500
Trombay 7A	2.66	69.26	123	86	120
Trombay 7B	1.56	39.62	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.61	112.54	401	0	447
Total	24.99	606.68			1627
REL					
1&2	12.50	321.57	523	517	500
Total	12.50	321.57			500
Cent Sect					
Share					4790
Total					4790
MS PG CL	Thermal	123.49	3057.12		5259
	Thml+Gas	133.62	3350.33		5699
	Hydro	8.69	127.42		1222
	Total	142.31	3477.75		6921
State Total		293.32	7238.33		17251

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jun/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	4961	221	436	5618	1531	3712	0	4554	4935	-1223	-1111	14708	116	14824	2487	17311	49.81
2	4865	182	436	5483	1381	3633	0	4547	4801	-1084	-918	14404	94	14498	2283	16781	49.90
3	4842	76	434	5352	1279	3589	0	4387	4833	-990	-827	14250	61	14311	2151	16462	49.97
4	4924	85	435	5444	1226	3534	0	4319	4662	-967	-705	14185	28	14213	2052	16265	49.94
5	4901	75	437	5413	1199	3542	0	4320	4788	-978	-663	14303	74	14377	2016	16393	50.01
6	4994	75	435	5504	1049	3563	0	4336	4909	-1013	-684	14365	284	14649	2040	16689	49.85
7	4996	254	434	5684	912	3438	6	4384	4859	-1058	-729	14193	902	15095	2083	17178	49.88
8	4998	471	434	5903	937	3447	35	4471	4818	-1107	-812	14355	950	15305	2178	17483	49.98
9	5058	409	433	5900	1055	3482	61	4596	5345	-1192	-1076	14794	810	15604	2469	18073	49.91
10	4992	1067	407	6466	994	3499	100	4800	5234	-1381	-1429	14887	619	15506	2892	18398	49.77
11	5051	1363	347	6761	960	3579	127	4838	5123	-1505	-1495	15078	760	15838	3185	19023	49.80
12	5403	999	348	6750	1033	3577	147	4878	4962	-1488	-1369	15126	856	15982	3215	19197	49.77
13	5691	352	410	6453	966	3650	139	4712	5059	-1466	-1388	14902	1009	15911	3220	19131	49.82
14	5685	122	424	6231	1016	3543	134	4607	5259	-1434	-1390	14817	934	15751	3151	18902	49.74
15	5672	432	420	6524	788	3578	128	4822	5061	-1458	-1410	14694	838	15532	3219	18751	49.71
16	5296	609	422	6327	1056	3543	102	4777	4986	-1474	-1395	14645	886	15531	3223	18754	49.77
17	5214	279	420	5913	1284	3558	65	4567	4988	-1452	-1418	14415	986	15401	3216	18617	49.91
18	5218	82	431	5731	1400	3544	29	3809	4172	-1406	-1371	13528	761	14289	3104	17393	49.92
19	5182	146	430	5758	1344	3531	5	3549	3639	-1272	-1264	13039	371	13410	2963	16373	49.92
20	5106	147	432	5685	1257	3579	0	4530	4471	-1318	-1261	13756	508	14264	2944	17208	49.77
21	5146	153	430	5729	1014	3573	0	4723	4778	-1389	-1310	13808	432	14240	2930	17170	49.75
22	5094	172	432	5698	1089	3514	0	4573	4822	-1328	-1293	13855	271	14126	2825	16951	49.72
23	5109	522	435	6066	1029	3505	0	4532	4784	-1274	-1236	14173	164	14337	2727	17064	49.79
24	5092	397	430	5919	810	3532	0	4510	4572	-1265	-1249	13609	148	13757	2716	16473	49.75
MUs	123.49	8.69	10.13	142.31	26.61	85.24	1.08	108.14	115.86	-30.52	-27.80	343.89	12.86	356.75	65.29	422.04	49.84

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 26/Jun/2014

Position as on 6.30 Hrs of 27/Jun/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	
Khaparkheda Unit 1	210	05/06/2014	04.59		Continued.	C.O.H.	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna Unit 12	80	23/06/2014	07.50		Continued.	AOH.	07/07/2014
Koyna ST-IV 2	250	23/06/2014	09.00		Continued.	AOH.	06/07/2014
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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Uran Unit 8	108	10/06/2014	08.42		Continued.	Gas Shortage.	
CPP Adani U-3	660	12/06/2014	03.02		Continued.	BLR T/L.	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP JSW (J) U2	300	18/06/2014	23.59		Continued.	Due to no schedule.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
Parli Unit 5	210	26/06/2014	00.30		Continued.	Coal Shortage.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Uran Unit A0	120	26/06/2014	09.25	26/06/2014	12.26	HP feed water.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jun/2014

Position as on 6.30 Hrs of 27/Jun/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		
A'bad-Talegaon PG-1	27/06/2014	06.03		Continued.	Hot spot attending work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	25/06/2014	17.50	26/06/2014	07.08	Over Voltage.
Dhule-Sar'Sarovar - I	25/06/2014	18.36	26/06/2014	06.00	Over Voltage.
Kolhapur - Mapusa - II	26/06/2014	17.12		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/06/2014	18.38		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chakan-Talegaon(PG)	26/06/2014	01.47	26/06/2014	11.07	Dist.Prot.
Karad - Solapur (PGCIL)	26/06/2014	19.02		Continued.	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navasari - II	27/06/2014	05.00		Continued.	Dist.Prot.
Nasik-Navsari-I	27/06/2014	06.32		Continued.	R-Ph to ground.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Auxiliary Bus @ Babaleshwar	23/06/2014	18.12		Continued.	Stub Bus Stringing of New Taptitabda Bays. (for 3 Days).
Karad - Lonikand	26/06/2014	12.14		Continued.	BKR Repl.
400/220 KV 500 MVA ICT - II @ Jejuri	26/06/2014	12.34	26/06/2014	19.30	Testing work.
400/220KV 500MVA ICT-III at Bableshwar	26/06/2014	17.14	26/06/2014	21.10	NDR relay repl.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110 KV 200 MVA T/F - I @ Mudsinghi	07/06/2014	16.00		Continued.	Neutral problem(Kept on Humming)
Khaparkheda-Butibori 3	26/06/2014	08.15	26/06/2014	17.12	Conversion of STN to DTN at various locations.
Kalmeshwar - Rly TSS - I	26/06/2014	09.24	26/06/2014	16.32	Conversion of STN to DTN at various locations.
220/110 KV 200 MVA T/F - I @ Mudsinghi	26/06/2014	10.30	26/06/2014	21.10	OLTC O/H Work.
Hingoli-Pusad	26/06/2014	10.47	26/06/2014	16.25	Dismantling of line PT of Pusad Hingoli line.
Theur - Flagship	26/06/2014	11.19	26/06/2014	17.34	Panel repl work.
220/132 KV 200 MVA ICT-II @ Harangul	26/06/2014	18.01		Continued.	To arrest oil leakage and oil top up work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - III	27/06/2014	03.28	27/06/2014	05.58	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	25/06/2014	16.47	26/06/2014	08.44	Over Voltage.
Bhusawal- Aurangabad	25/06/2014	18.30	26/06/2014	05.50	Over Voltage.
Karad - Kolhapur - II	26/06/2014	16.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/06/2014	18.12		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
Wardha-Badnera	26/06/2014	06.49		Continued.	To control O/D.
Chandrapur MIDC-GEPL Ckt.I	26/06/2014	17.19	26/06/2014	17.34	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jun/2014

Position as on 6.30 Hrs of 27/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - II	08/06/2014	00.53		Continued.	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)
Karad - Sadawaghapur - II	15/06/2014	20.49		Continued.	Distance Protection
Bale-Usmanabad	25/06/2014	17.50	26/06/2014	07.29	Dist.Prot.
Vita - Lamboti	26/06/2014	02.17	26/06/2014	10.07	Dist.Prot.
Karad-Vita-II	27/06/2014	02.34		Continued.	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	26/06/2014	05.56	26/06/2014	13.06	Sparking on Y-Ph insulator string.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	175
	620	325
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	400
Unit 5	500	400
	1420	1100
Parli		
Unit 3	210	0
Unit 4	210	141
Unit 5	210	0
Unit 6	250	170
Unit 7	250	175
	1130	486
Chandrapur		
Unit 1	210	140
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	400
Unit 6	500	390
Unit 7	500	0
	2340	1480
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	400
	1340	900
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
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	10
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	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	23
GHATGHAR	250	
	611	144
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	105
Adani	2640	1823
Other CPPs	300	705
	4545	3458
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	4725
	3455	4725