



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jun/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.568	3505.775	1) Gujrat	11.813	132.068
2) Hydro	6.469	155.124	2) Madhya Pradesh	22.620	582.938
3) Gas	10.388	334.765	3) Chattisgarh	9.650	270.060
Total MSGENCO	128.425	3995.664	4) Maharashtra Net	97.495	2626.090
B) 1) JSW JAIGAD	28.142	689.106	(Incl. 765kV Solapur-Raichur)	-4.011	-30.412
2) WPCL	2.246	23.823	5) Goa	-7.024	-202.146
3) ADANI	46.615	1185.034	6) TAPS 1&2 Injection	7.208	200.322
4) Other CPP / IPP	13.333	502.017	7) RGPPL Injection	0.000	0.000
5) Wind Generation	31.336	863.460	8) Pench (Excess)	-0.296	-6.907
6) PENCH (MS)	0.296	6.907	# Total Cent. Sector	141.466	3602.425
7) SOLAR	0.955	29.492	F) Other Exchanges		
C) 1) TPCL Thermal	20.737	573.846	1) With TPCL (Excess)	-29.168	-823.608
2) TPCL Hydro	3.422	122.121	G) Bilateral Power *		
TOTAL TPCL	24.159	695.967	1) MSEDCL Bilateral	44.749	725.879
3) REL Thermal	12.476	371.300	Include PX	19.878	113.780
D) STATE			2) MUMBAI Bilateral	28.733	770.736
1) Thermal (A1+C1+C3)	144.781	4450.921	Include PX	2.441	118.153
2) Hydro (A2+B6+C2)	10.187	284.152	3) MUMBAI Schedule	28.733	775.631
3) Gas (A3)	10.388	334.765	H) ENERGY CATERED (MUs)		
4) Wind (B5)	31.336	863.460	1) MSEDCL	363.646	10074.320
5) CPP/IPP (B1+B2+B3+B4)	90.336	2399.980	2) TPCL	41.799	1191.266
6) SOLAR (B7)	0.955	29.492	3) REL	24.451	699.950
TOTAL STATE	287.983	8362.770	TOTAL STATE	429.896	11965.536

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4968	4924	4449
MSGENCO Hydro	192	570	82
MSGENCO Gas	426	426	436
MSGENCO Total Generation	5586	5920	4967
Central Sector Receipt	6951	6603	5622
WIND	1157	1301	1266
CPP / IPP	3673	3773	3477
SOLAR	125	110	0
Exchange with Mumbai	-1475	-1502	-783
MSEDCL DEMAND MET	16017	16205	14576
Load Shedding	139	85	71
MSEDCL DEMAND	16156	16290	14647
TPCL GENERATION	1255	1224	797
R-INFRA GENERATION	519	521	522
TPCL+R-INFRA DEMAND	3249	3247	2102
STATE DEMAND MET	19266	19452	16678
STATE DEMAND	19405	19537	16749
Frequency (Hz)	49.94	49.83	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 04.57 Hrs	49.66 Hz at 22.00 Hrs	49.96	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 30/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	1.40	93.99	167	0	155
Unit 7	3.84	98.15	180	140	165
Total	5.24	206.45			320
Bhusawal					
Unit 2	3.26	30.47	165	115	140
Unit 3	2.94	98.68	140	95	140
Unit 4	9.12	262.08	475	310	325
Unit 5	7.54	237.74	360	275	295
Total	22.86	628.96			900
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	87.83	0	0	0
Unit 5	0.00	57.95	0	0	0
Unit 6	4.08	123.25	187	161	165
Unit 7	4.20	133.58	185	165	165
Total	8.28	402.61			330
Chandrapur					
Unit 1	3.26	94.52	138	129	145
Unit 2	3.82	85.08	165	149	160
Unit 3	4.10	102.90	177	156	185
Unit 4	4.72	130.89	203	167	210
Unit 5	10.29	250.99	450	390	450
Unit 6	9.47	242.80	405	380	400
Unit 7	0.00	124.70	0	0	0
Total	35.65	1031.89			1550
Paras					
Unit 3	3.83	118.50	178	148	170
Unit 4	4.79	157.72	220	170	250
Total	8.62	276.22			420
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.73	112.04	170	130	160
Unit 3	3.98	122.45	215	147	160
Unit 4	3.86	103.99	196	143	160
Unit 5	5.94	226.22	390	0	200
Total	17.52	578.83			680
Nasik					
Unit 3	4.38	121.98	190	175	190
Unit 4	4.55	132.81	196	172	190
Unit 5	4.48	126.03	195	173	190
Total	13.40	380.82			570
Uran					
All Units	10.39	334.76	440	426	450
Total	10.39	334.76			450
PENCH (MS)					
Pench (MS)	0.30	6.91	50	0	0
Total	0.30	6.91			0
Koyna					
Stage 1-2	3.22	45.28	515	40	600
Stage 4	0.00	9.82	0	0	250
Stage 3	0.83	14.00	160	0	240
Kovna 12&4 Total	3.22	55.09			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.05	69.09			1090
Hydro					
KDPH	0.39	5.64	17	16	20
VTRNA	0.49	26.27	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.00	6.00	0	0	40
RNGR+BHTSA	0.01	6.42	1	0	0
BHANDARDRA	0.09	1.44	34	0	0
ELDARY	0.32	1.97	14	12	14
SMLHY PTN	0.35	7.68	23	12	9
GHATGHAR	0.76	30.48	125	0	0
Total	2.42	86.03			144
Wind					
MalharPeth	0.92	20.75			
Vankuswadi	1.84	36.78			
ATIT	0.22	5.84			
Kale	0.51	13.98			
Satara	11.92	368.95			
Shirala	0.72	19.18			
K Mahankal	0.05	2.43			
Supa	0.09	6.92			
Vita	2.14	79.10			
Dondaicha	8.64	202.31			
Sakri	1.34	30.62			
Nandurbar	0.97	20.14			
Khandke	0.65	28.28			
Khaparale	1.32	28.18			
Total	31.34	863.46			
CPP					
JSW JAIGAD	28.14	689.11	1210	1035	1100
WARDHA	2.25	23.82	97	91	105
Adani	46.62	1185.03	2421	1644	1810
Other CPPs	13.33	502.02			460
Total	90.34	2399.98			3475
SOLAR					
Total	0.96	29.49			
Total	0.96	29.49			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	321.70	500	429	500
Trombay 6	5.30	128.11	419	153	500
Trombay 7A	2.25	78.63	124	59	120
Trombay 7B	1.41	45.41	69	47	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.42	122.12	365	2	447
Total	24.16	695.97			1627
REL					
1&2	12.48	371.30	522	518	500
Total	12.48	371.30			500
Cent Sect					
Share					6257
Total					6257
MS PG CL	Thermal	111.57	3505.78		4770
	Thml+Gas	121.96	3840.54		5220
	Hydro	6.47	155.12		1234
	Total	128.42	3995.66		6454
State Total		287.98	8362.77		18313

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4502	98	435	5035	1159	3616	0	5279	6134	-1108	-1202	14792	95	14887	2530	17417	49.92
2	4454	87	437	4978	1261	3573	0	5446	5894	-963	-1010	14743	90	14833	2328	17161	49.98
3	4452	81	438	4971	1178	3641	0	5602	5693	-867	-852	14664	76	14740	2200	16940	50.03
4	4449	82	436	4967	1266	3477	0	5326	5622	-742	-783	14576	71	14647	2102	16749	50.01
5	4553	92	439	5084	1231	3425	0	5148	5695	-773	-782	14680	71	14751	2081	16832	50.10
6	4581	87	438	5106	1250	3550	0	5439	5771	-988	-755	14949	68	15017	2107	17124	50.09
7	4630	158	439	5227	1055	3676	7	5309	6133	-1060	-726	15402	85	15487	2112	17599	50.05
8	4736	160	433	5329	1035	3712	25	5484	6018	-1138	-803	15363	84	15447	2215	17662	50.02
9	4721	178	436	5335	1231	3585	51	5902	6396	-1183	-1107	15499	79	15578	2515	18093	49.94
10	4543	469	437	5449	1121	3642	98	6237	6681	-1299	-1414	15577	68	15645	2915	18560	49.88
11	4650	794	440	5884	988	3654	112	6365	6858	-1497	-1481	16015	72	16087	3178	19265	49.95
12	4766	543	435	5744	1066	3666	119	6536	6869	-1457	-1453	16011	78	16089	3251	19340	49.99
13	4968	192	426	5586	1157	3673	125	6524	6951	-1462	-1475	16017	139	16156	3249	19405	49.94
14	4872	202	430	5504	1273	3483	118	6289	6855	-1426	-1448	15785	91	15876	3177	19053	49.89
15	4924	570	426	5920	1301	3773	110	6298	6603	-1383	-1502	16205	85	16290	3247	19537	49.83
16	4687	790	426	5903	1423	3739	90	6134	6523	-1310	-1492	16186	81	16267	3248	19515	49.86
17	4580	581	428	5589	1485	3897	64	5698	6303	-1484	-1527	15811	77	15888	3251	19139	49.90
18	4710	482	430	5622	1708	4023	28	4557	4921	-1376	-1432	14870	75	14945	3144	18089	50.04
19	4596	143	428	5167	1654	3858	8	4402	4318	-1134	-1334	13671	61	13732	2928	16660	49.97
20	4590	154	430	5174	1585	3927	0	4798	4787	-1157	-1293	14180	61	14241	2816	17057	49.83
21	4696	149	432	5277	1677	4125	0	4993	5032	-1270	-1329	14782	61	14843	2844	17687	49.95
22	4656	144	428	5228	1533	4251	0	4943	4747	-1225	-1306	14453	61	14514	2792	17306	49.88
23	4640	145	430	5215	1461	4249	0	4908	4997	-1199	-1345	14577	61	14638	2803	17441	49.96
24	4612	88	431	5131	1238	4121	0	5308	5665	-1231	-1317	14838	57	14895	2770	17665	49.95
MUs	111.57	6.47	10.39	128.42	31.34	90.34	0.96	132.92	141.47	-28.73	-29.17	363.65	1.85	365.49	65.80	431.30	49.96

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 30/Jun/2014

Position as on 6.30 Hrs of 01/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	
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).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
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.	
Khaparkheda Unit 5	500	27/06/2014	12.52	30/06/2014	4.07	Economiser Tube Leakage.	
CPP IPL U-2	270	28/06/2014	20.17		Continued.	Feed water Line Leakage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
CPP Adani U-3	660	29/06/2014	23.03	30/06/2014	14.59	APH outlet below failure	
Koradi Unit 6	210	30/06/2014	08.43		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2014

Position as on 6.30 Hrs of 01/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 - Mapusa - II	29/06/2014	17.08	30/06/2014	09.01	Over Voltage
Dhule-Sar'Sarovar - II	29/06/2014	18.17	30/06/2014	5.57	Over Voltage
Kolhapur - Mapusa - I	30/06/2014	16.46		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	30/06/2014	18.15	01/07/2014	05.42	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyna - II	01/07/2014	04.32	01/07/2014	05.16	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV 200 MVA ICT-II @ Bhusawal	29/06/2014	20.40	30/06/2014	01.07	Testing work
400/220 KV 500 MVA ICT - I @ Warora	30/06/2014	11.47	30/06/2014	16.46	To Attend CTR Fire Protection Indication Which Was Received on ICT.
Koradi - II - Indiabull	30/06/2014	15.11	30/06/2014	20.08	Strenghtning of 12 No's of Jumper.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 200 MVA ICT-II @ Harangul	26/06/2014	18.01		Continued.	To arrest oil leakage and oil top up work.
Ambazari-Amravati	30/06/2014	09.04	30/06/2014	14.03	For Providing Repair Sleeved Conductor.
Khaparkheda-Kawlewada-II	30/06/2014	09.18	30/06/2014	14.46	Conversion of String STN to DTN & SSN TO DSN.
Satara MIDC-Vankushwadi-I	30/06/2014	09.20	30/06/2014	14.20	C T Tan Delta
Mumewadi-Mudshingi	30/06/2014	10.04	30/06/2014	12.26	Insulator String Washing & Q.M.Work.
220/132KV 200MVA ICT-IV at Tilwani	30/06/2014	10.08	30/06/2014	13.10	Q.M.Work.
Ghodbhundar - Gorai	30/06/2014	10.08		Continued.	Attending SF6 Gas Leakage @ PT Chember.
Main Bus @ Dasturi	30/06/2014	10.39	30/06/2014	12.32	R Ph Bottom Jumper Hot Spot @ Dasturilote.
Mudshingi - Chikodi	30/06/2014	13.35	30/06/2014	20.14	Relay Testing Work.
Uran-Kharghar-II	30/06/2014	14.30		Continued.	Taken on TBC,For Bkr Overhauling for 3 Days.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	29/06/2014	16.47	30/06/2014	6.53	Over Voltage
Bhusawal- Aurangabad	29/06/2014	18.09	30/06/2014	6.13	Over Voltage
Karad - Kolhapur - I	30/06/2014	16.35	01/07/2014	06.15	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		
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 &

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2014

Position as on 6.30 Hrs of 01/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Chandrapur - Warora	30/06/2014	11.22	30/06/2014	16.40	Distance Protection Operated Z-I Y Ph.
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.
Voltage Level : 132KV					Outage Type TRIPPED
Dondaicha - Sahada	30/06/2014	15.22	30/06/2014	15.35	Distance Protection Operated Z-I Y Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	120
Unit 3	210	130
Unit 4	500	400
Unit 5	500	320
	1420	970
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	172
Unit 7	250	165
	1130	337
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1550
Paras		
Unit 3	250	170
Unit 4	250	190
	500	360
Khaparkheda		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	140
Unit 4	210	140
Unit 5	500	350
	1340	770
Nasik		
Unit 3	210	190
Unit 4	210	198
Unit 5	210	190
	630	578
Uran		
All Units	852	450
	852	450
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	20
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	
SMLHY PTN	12	3
GHATGHAR	250	
	611	130
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	1100
WARDHA	405	93
Adani	2640	2446
Other CPPs	300	500
	4545	4139
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	6081
	3455	6081