



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jun/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.594	3394.207	1) Gujrat	10.138	120.255
2) Hydro	5.184	148.655	2) Madhya Pradesh	20.107	560.318
3) Gas	10.410	324.377	3) Chattisgarh	8.540	260.410
Total MSGENCO	125.188	3867.239	4) Maharashtra Net	90.770	2528.595
B) 1) JSW JAIGAD	26.051	660.964	(Incl. 765kV Solapur-Raichur)	-1.976	-26.401
2) WPCL	2.308	21.577	5) Goa	-6.995	-195.122
3) ADANI	48.668	1138.419	6) TAPS 1&2 Injection	7.245	193.114
4) Other CPP / IPP	13.767	488.684	7) RGPPL Injection	0.000	0.000
5) Wind Generation	29.284	832.124	8) Pench (Excess)	-0.607	-6.611
6) PENCH (MS)	0.607	6.611	# Total Cent. Sector	129.198	3460.959
7) SOLAR	1.021	28.537	F) Other Exchanges		
C) 1) TPCL Thermal	18.123	553.109	1) With TPCL (Excess)	-24.462	-794.440
2) TPCL Hydro	0.278	118.699	G) Bilateral Power *		
TOTAL TPCL	18.401	671.808	1) MSEDCL Bilateral	38.136	681.130
3) REL Thermal	12.310	358.824	Include PX	12.972	93.903
D) STATE			2) MUMBAI Bilateral	21.751	742.003
1) Thermal (A1+C1+C3)	140.027	4306.140	Include PX	0.490	115.713
2) Hydro (A2+B6+C2)	6.069	273.965	3) MUMBAI Schedule	21.751	746.898
3) Gas (A3)	10.410	324.377	H) ENERGY CATERED (MUs)		
4) Wind (B5)	29.284	832.124	1) MSEDCL	351.630	9710.674
5) CPP/IPP (B1+B2+B3+B4)	90.794	2309.644	2) TPCL	33.820	1149.467
6) SOLAR (B7)	1.021	28.537	3) REL	21.354	675.499
TOTAL STATE	277.605	8074.787	TOTAL STATE	406.804	11535.640

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4492	4752	4517
MSGENCO Hydro	455	163	141
MSGENCO Gas	425	433	439
MSGENCO Total Generation	5372	5348	5097
Central Sector Receipt	6066	5890	5405
WIND	1044	1278	1152
CPP / IPP	3962	3982	3706
SOLAR	133	113	0
Exchange with Mumbai	-999	-1022	-833
MSEDCL DEMAND MET	15595	15589	14550
Load Shedding	468	372	35
MSEDCL DEMAND	16063	15961	14585
TPCL GENERATION	812	808	783
R-INFRA GENERATION	517	521	515
TPCL+R-INFRA DEMAND	2328	2351	2131
STATE DEMAND MET	17923	17940	16681
STATE DEMAND	18391	18312	16716
Frequency (Hz)	50.05	49.95	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 17.01 Hrs	49.64 Hz at 00.12 Hrs	49.98	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 29/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	3.81	92.59	165	145	155
Unit 7	4.13	94.31	185	155	175
Total	7.94	201.21			330
Bhusawal					
Unit 2	3.26	27.22	160	125	130
Unit 3	3.12	95.74	145	120	130
Unit 4	9.88	252.95	490	340	370
Unit 5	8.48	230.20	420	310	350
Total	24.74	606.10			980
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.35	87.83	146	0	135
Unit 5	0.00	57.95	0	0	0
Unit 6	3.99	119.17	173	160	165
Unit 7	4.02	129.38	182	163	165
Total	9.36	394.34			465
Chandrapur					
Unit 1	3.22	91.26	138	130	145
Unit 2	3.80	81.26	165	152	160
Unit 3	4.10	98.81	182	157	185
Unit 4	4.66	126.17	200	171	200
Unit 5	9.90	240.70	437	380	450
Unit 6	9.31	233.33	405	365	400
Unit 7	0.00	124.70	0	0	0
Total	34.99	996.24			1540
Paras					
Unit 3	3.80	114.67	185	135	150
Unit 4	4.86	152.94	219	183	210
Total	8.66	267.60			360
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.91	108.32	180	140	190
Unit 3	4.55	118.46	210	148	210
Unit 4	4.38	100.12	208	140	210
Unit 5	0.00	220.28	0	0	0
Total	12.83	561.31			610
Nasik					
Unit 3	1.98	117.60	190	0	0
Unit 4	4.57	128.26	196	181	190
Unit 5	4.52	121.55	192	182	190
Total	11.07	367.42			380
Uran					
All Units	10.41	324.38	443	423	450
Total	10.41	324.38			450
PENCH (MS)					
Pench (MS)	0.61	6.61	47	0	
Total	0.61	6.61			
Koyna					
Stage 1-2	1.24	42.06	255	25	300
Stage 4	0.00	9.82	0	0	250
Stage 3	0.00	13.18	0	0	240
Kovna 12&4 Total	1.24	51.87			550

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.24	65.05			790
Hydro					
KDPH	0.46	5.25	19	19	20
VTRNA	0.55	25.78	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.08	6.00	40	0	40
RNGR+BHTSA	0.01	6.41	1	0	0
BHANDARDRA	0.18	1.34	30	0	0
ELDARY	0.33	1.65	14	13	14
SMLHY PTN	0.81	7.33	41	31	8
GHATGHAR	1.54	29.72	240	0	0
Total	3.95	83.61			143
Wind					
MalharPeth	0.75	19.83			
Vankuswadi	1.62	34.94			
ATIT	0.19	5.62			
Kale	0.46	13.47			
Satara	10.10	357.03			
Shirala	0.61	18.46			
K Mahankal	0.05	2.38			
Supa	0.22	6.83			
Vita	2.09	76.96			
Dondaicha	8.89	193.67			
Sakri	1.30	29.28			
Nandurbar	1.00	19.16			
Khandke	0.66	27.63			
Khaparale	1.34	26.87			
Total	29.28	832.12			
CPP					
JSW JAIGAD	26.05	660.96	1214	865	1100
WARDHA	2.31	21.58	101	91	105
Adani	48.67	1138.42	2267	1799	1823
Other CPPs	13.77	488.68			460
Total	90.79	2309.64			3488
SOLAR					
Total	1.02	28.54			
Total	1.02	28.54			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.67	309.92	501	255	500
Trombay 6	3.74	122.82	157	155	500
Trombay 7A	2.28	76.37	124	62	120
Trombay 7B	1.43	44.00	69	50	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.28	118.70	84	0	447
Total	18.40	671.81			1627
REL					
1&2	12.31	358.82	521	466	500
Total	12.31	358.82			500
Cent Sect					
Share					5489
Total					5489
MS PG CL	Thermal	109.59	3394.21		4665
	Thml+Gas	120.00	3718.58		5115
	Hydro	5.18	148.66		933
	Total	125.19	3867.24		6048
State Total		277.60	8074.79		17152

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4584	115	432	5131	1101	3709	0	5402	5509	-1192	-1152	14344	17	14361	2522	16883	49.75
2	4561	120	435	5116	1172	3678	0	5355	5859	-1052	-1001	14871	41	14912	2368	17280	49.93
3	4530	136	438	5104	1303	3669	0	5353	5669	-907	-873	14897	35	14932	2228	17160	49.96
4	4517	141	439	5097	1152	3706	0	5398	5405	-886	-833	14550	35	14585	2131	16716	49.99
5	4515	106	439	5060	1143	3575	0	5415	5589	-920	-809	14581	75	14656	2071	16727	49.88
6	4546	111	442	5099	1108	3590	0	5281	6214	-960	-938	15097	172	15269	2073	17342	49.96
7	4573	89	443	5105	1026	3660	5	5082	6269	-974	-892	15197	375	15572	2010	17582	50.01
8	4594	144	440	5178	982	3752	33	4922	5887	-916	-904	14952	624	15576	2008	17584	50.02
9	4495	406	443	5344	1065	3800	68	5034	5128	-874	-901	14521	686	15207	2076	17283	50.04
10	4571	416	439	5426	1063	3821	99	5315	5702	-811	-919	15209	475	15684	2167	17851	49.98
11	4459	450	430	5339	1032	3711	106	5456	5941	-798	-970	15176	452	15628	2278	17906	50.02
12	4492	455	425	5372	1044	3962	133	5604	6066	-814	-999	15595	468	16063	2328	18391	50.05
13	4634	145	423	5202	962	3801	131	5443	5924	-879	-1026	15002	532	15534	2367	17901	50.03
14	4714	110	430	5254	1079	3912	143	5210	5654	-893	-1029	15013	449	15462	2368	17830	49.96
15	4752	163	433	5348	1278	3982	113	5227	5890	-906	-1022	15589	372	15961	2351	18312	49.95
16	4648	249	433	5330	1307	3823	91	5226	5485	-905	-1018	15018	376	15394	2336	17730	49.91
17	4687	187	428	5302	1496	3617	65	4882	5278	-864	-1011	14758	359	15117	2314	17431	50.13
18	4609	131	428	5168	1671	3662	29	4008	4018	-735	-962	13609	333	13942	2258	16200	50.21
19	4466	199	430	5095	1669	3638	5	3795	3593	-728	-1072	12965	59	13024	2227	15251	50.06
20	4493	179	431	5103	1515	3892	0	4251	4563	-801	-1184	13934	53	13987	2417	16404	49.97
21	4543	166	430	5139	1373	4043	0	4501	4720	-925	-1142	14178	35	14213	2506	16719	49.92
22	4539	180	431	5150	1392	4015	0	4366	4613	-955	-1200	14016	16	14032	2554	16586	49.98
23	4545	231	433	5209	1225	3950	0	4389	4865	-1000	-1317	13975	11	13986	2607	16593	49.96
24	4527	555	435	5517	1125	3826	0	4602	5359	-1053	-1288	14584	8	14592	2608	17200	49.95
MUs	109.59	5.18	10.41	125.19	29.28	90.79	1.02	119.52	129.20	-21.75	-24.46	351.63	6.06	357.69	55.17	412.86	49.98

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 29/Jun/2014

Position as on 6.30 Hrs of 30/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	29/06/2014	05.17	BLR T/L.	
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.	
Nasik Unit 3	210	27/06/2014	21.30	29/06/2014	11.30	Boiler 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		Continued.	APH outlet below failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2014

Position as on 6.30 Hrs of 30/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa-I	28/06/2014	17.39	29/06/2014	01.01	Outage by CPCC B'Vati
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	28/06/2014	16.48	29/06/2014	09.47	Over Voltage
Dhule-Sar'Sarovar - II	29/06/2014	03.09	29/06/2014	07.16	Over Voltage
Kolhapur - Mapusa - II	29/06/2014	17.08		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	29/06/2014	18.17	30/06/2014	5.57	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500MVA ICT-III At Kalwa.	29/06/2014	08.15	29/06/2014	14.32	33KV PT Replacement work
400/132KV 200 MVA ICT-II @ Bhusawal	29/06/2014	12.52	29/06/2014	13.05	Oil Temp.High Indication received
Akola - Indiabull (Nandgaonpeth)	29/06/2014	14.43	29/06/2014	21.13	Isolator work
400/220 KV 600 MVA ICT - IV @ Padgha	29/06/2014	14.43	29/06/2014	19.23	Hot Spot
400/132KV 200 MVA ICT-II @ Bhusawal	29/06/2014	15.04	29/06/2014	15.11	Oil Temp.Trip Indication received
400/132KV 200 MVA ICT-II @ Bhusawal	29/06/2014	20.40	30/06/2014	01.07	Testing work
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.
Main Bus Section-II at Pophali	29/06/2014	07.30	29/06/2014	21.25	To attend Glow Problem on Y Phase Conductor
Chinchwad - Parvati	29/06/2014	08.51	29/06/2014	16.25	Stringing of E/W
Chinchwad-Flagship	29/06/2014	08.57	29/06/2014	16.22	Stringing of E/W
Kalwa - Salshet - IV	29/06/2014	09.26	29/06/2014	15.17	Hot Spot
Parli GCR - Parli EXTN.II	29/06/2014	09.30	29/06/2014	12.18	Hot Spot
Boiser-Versova	29/06/2014	09.45	29/06/2014	12.28	CVT leakage
Boisor - Dahanu	29/06/2014	12.54	29/06/2014	14.20	CVT Leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	28/06/2014	16.42	29/06/2014	06.26	Over Voltage
Bhusawal- Aurangabad	28/06/2014	18.07	29/06/2014	07.14	Over Voltage
Karad-Jaigad I	28/06/2014	23.16	29/06/2014	06.30	Over Voltage
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
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 : 400KV			Outage Type TRIPPED		
400/132KV 200 MVA ICT-I @ Bhusawal	29/06/2014	12.52	29/06/2014	13.05	Tripped
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-

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2014

Position as on 6.30 Hrs of 30/Jun/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.	Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
					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)
Momewadi -Halkarni	28/06/2014	09.31	29/06/2014	10.56	Distance protection
Karad - Vita I	29/06/2014	01.23	29/06/2014	06.13	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	165
	620	320
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	325
Unit 5	500	295
	1420	900
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	165
Unit 7	250	165
	1130	330
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	250
	500	420
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	200
	1340	680
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	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	0
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	9
GHATGHAR	250	0
	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	1100
WARDHA	405	105
Adani	2640	1810
Other CPPs	300	460
	4545	3475
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	6257
	3455	6257