



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Jun/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.798	2933.631	1) Gujrat	1.956	101.759
2) Hydro	4.698	118.726	2) Madhya Pradesh	18.345	491.442
3) Gas	10.380	283.080	3) Chattisgarh	6.890	227.280
Total MSGENCO	140.876	3335.437	4) Maharashtra Net	82.971	2164.364
B) 1) JSW JAIGAD	20.304	566.101	(Incl. 765kV Solapur-Raichur)	-2.291	-19.984
2) WPCL	2.352	11.801	5) Goa	-7.058	-166.170
3) ADANI	43.078	960.861	6) TAPS 1&2 Injection	7.203	164.213
4) Other CPP / IPP	19.425	419.975	7) RGPPL Injection	0.000	0.000
5) Wind Generation	40.347	731.499	8) Pench (Excess)	-0.267	-4.346
6) PENCH (MS)	0.267	4.346			
7) SOLAR	1.048	24.238	# Total Cent. Sector	110.040	2978.542
C) 1) TPCL Thermal	19.803	472.764	F) Other Exchanges		
2) TPCL Hydro	3.483	108.926	1) With TPCL (Excess)	-29.605	-685.825
TOTAL TPCL	23.286	581.690	G) Bilateral Power *		
3) REL Thermal	12.263	309.068	1) MSEDCL Bilateral	16.321	578.681
D) STATE			Include PX	-1.947	78.475
1) Thermal (A1+C1+C3)	157.864	3715.463	2) MUMBAI Bilateral	29.336	634.245
2) Hydro (A2+B6+C2)	8.448	231.998	Include PX	3.701	105.814
3) Gas (A3)	10.380	283.080	3) MUMBAI Schedule	29.336	639.140
4) Wind (B5)	40.347	731.499	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	85.159	1958.738	1) MSEDCL	348.132	8346.975
6) SOLAR (B7)	1.048	24.238	2) TPCL	40.913	994.720
TOTAL STATE	303.246	6945.016	3) REL	24.239	581.748
			TOTAL STATE	413.284	9923.443

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5276	5319	5144
MSGENCO Hydro	496	395	81
MSGENCO Gas	433	425	433
MSGENCO Total Generation	6205	6139	5658
Central Sector Receipt	5184	5114	4319
WIND	1820	1706	1612
CPP / IPP	3577	3690	3246
SOLAR	131	105	0
Exchange with Mumbai	-1442	-1456	-911
MSEDCL DEMAND MET	15475	15325	13924
Load Shedding	438	301	274
MSEDCL DEMAND	15913	15626	14198
TPCL GENERATION	1181	1249	660
R-INFRA GENERATION	521	520	460
TPCL+R-INFRA DEMAND	3144	3225	2031
STATE DEMAND MET	18619	18550	15955
STATE DEMAND	19057	18851	16229
Frequency (Hz)	49.95	49.78	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17.57 Hrs	49.44 Hz at 21.59 Hrs	49.92	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 25/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	3.24	78.22	160	115	140
Unit 7	3.69	78.35	169	140	160
Total	6.93	170.88			300
Bhusawal					
Unit 2	3.40	13.76	165	110	135
Unit 3	3.42	82.42	160	130	150
Unit 4	9.13	213.95	515	315	350
Unit 5	8.14	194.63	420	300	320
Total	24.08	504.76			955
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.31	76.52	149	126	130
Unit 5	3.45	57.92	158	129	135
Unit 6	4.48	102.55	250	165	175
Unit 7	4.52	112.77	250	169	179
Total	15.76	349.76			619
Chandrapur					
Unit 1	3.20	78.65	139	127	150
Unit 2	3.79	66.36	160	155	165
Unit 3	4.10	82.88	179	147	185
Unit 4	4.62	107.86	201	165	210
Unit 5	10.24	201.31	445	375	450
Unit 6	9.50	196.85	409	385	420
Unit 7	0.00	124.70	0	0	0
Total	35.45	858.61			1580
Paras					
Unit 3	4.58	98.35	203	172	200
Unit 4	5.11	132.71	235	150	250
Total	9.69	231.06			450
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.84	92.36	190	140	160
Unit 3	3.87	100.62	205	137	170
Unit 4	3.95	82.70	196	139	170
Unit 5	9.56	207.14	497	340	400
Total	21.22	496.94			900
Nasik					
Unit 3	4.29	107.46	190	165	190
Unit 4	4.13	110.32	188	155	198
Unit 5	4.24	103.84	190	169	185
Total	12.66	321.62			573
Uran					
All Units	10.38	283.08	436	425	440
Total	10.38	283.08			440
PENCH (MS)					
Pench (MS)	0.27	4.35	27	0	
Total	0.27	4.35			
Koyna					
Stage 1-2	1.01	31.04	50	40	600
Stage 4	0.00	6.08	0	0	250
Stage 3	0.65	9.86	148	0	240
Kovna 12&4 Total	1.01	37.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.66	46.97			1090
Hydro					
KDPH	0.23	3.81	10	9	10
VTRNA	0.52	23.55	61	0	60
TILLARI	0.00	0.12	0	0	
BHTGR/VEER	0.00	0.00	0	0	
BHIRA T.R.	0.17	5.51	40	0	40
RNGR+BHTSA	0.23	5.94	10	9	10
BHANDARDRA	0.00	1.17	0	0	
ELDARY	0.33	0.36	14	13	
SMLHY PTN	0.14	6.11	13	3	17
GHATGHAR	1.42	25.19	250	0	
Total	3.03	71.76			137
Wind					
MalharPeth	1.00	17.08			
Vankuswadi	1.99	29.92			
ATIT	0.26	4.95			
Kale	0.51	11.86			
Satara	17.71	321.85			
Shirala	0.92	16.21			
K Mahankal	0.10	2.20			
Supa	0.30	6.05			
Vita	4.13	69.95			
Dondaicha	8.62	162.65			
Sakri	1.38	24.83			
Nandurbar	1.02	15.62			
Khandke	1.10	25.28			
Khaparale	1.31	23.05			
Total	40.35	731.50			
CPP					
JSW JAIGAD	20.30	566.10	913	722	824
WARDHA	2.35	11.80	102	85	100
Adani	43.08	960.86	1859	1740	1823
Other CPPs	19.42	419.98			705
Total	85.16	1958.74			3452
SOLAR					
Total	1.05	24.24			
Total	1.05	24.24			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.66	263.49	501	315	500
Trombay 6	4.87	104.60	346	152	500
Trombay 7A	2.70	66.60	123	78	120
Trombay 7B	1.57	38.06	69	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.48	108.93	396	0	447
Total	23.29	581.69			1627
REL					
1&2	12.26	309.07	522	456	500
Total	12.26	309.07			500
Cent Sect					
Share					4877
Total					4877
MS PG CL	Thermal	125.80	2933.63		5377
	Thml+Gas	136.18	3216.71		5817
	Hydro	4.70	118.73		1227
	Total	140.88	3335.44		7044
State Total		303.25	6945.02		17500

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	5210	81	433	5724	1753	3528	0	4554	4760	-1119	-1300	14465	129	14594	2544	17138	49.79
2	5172	134	431	5737	1540	3348	0	4547	4603	-966	-1194	14034	211	14245	2327	16572	49.91
3	5190	149	432	5771	1497	3302	0	4387	4404	-910	-1072	13902	217	14119	2181	16300	49.88
4	5148	76	430	5654	1508	3365	0	4319	4513	-894	-960	14080	223	14303	2077	16380	49.93
5	5144	81	433	5658	1612	3246	0	4320	4319	-895	-911	13924	274	14198	2031	16229	49.94
6	5181	85	432	5698	1639	3396	0	4336	4435	-936	-844	14324	476	14800	2070	16870	49.94
7	5258	76	435	5769	1771	3414	5	4384	4389	-972	-926	14442	821	15263	2105	17368	49.95
8	5251	76	436	5763	1797	3305	34	4471	4421	-1030	-987	14360	863	15223	2204	17427	50.02
9	5273	111	433	5817	1907	3417	65	4596	4601	-1164	-1144	14684	680	15364	2511	17875	49.95
10	5274	343	432	6049	1872	3467	87	4800	5104	-1364	-1345	15247	389	15636	2835	18471	49.91
11	5276	496	433	6205	1820	3577	131	4838	5184	-1426	-1442	15475	438	15913	3144	19057	49.95
12	5394	454	432	6280	1820	3544	152	4878	4758	-1476	-1436	15118	489	15607	3229	18836	50.03
13	5793	186	433	6412	1693	3612	134	4712	4593	-1442	-1486	14958	434	15392	3223	18615	50.00
14	5720	122	431	6273	1799	3587	120	4607	4764	-1399	-1382	15181	296	15477	3133	18610	49.93
15	5727	195	425	6347	1732	3589	109	4822	4862	-1437	-1430	15236	224	15460	3194	18654	49.76
16	5319	395	425	6139	1706	3690	105	4777	5114	-1428	-1456	15325	301	15626	3225	18851	49.78
17	5199	480	431	6110	1902	3798	69	4567	4517	-1406	-1396	15027	370	15397	3194	18591	49.94
18	5111	158	435	5704	1867	3772	29	3809	3828	-1372	-1357	13843	289	14132	3106	17238	50.09
19	5013	144	434	5591	1652	3644	8	3549	3555	-1208	-1250	13200	154	13354	2940	16294	50.03
20	5029	146	434	5609	1611	3725	0	4529	4517	-1329	-1290	14182	151	14333	2918	17251	49.90
21	5059	146	435	5640	1478	3720	0	4723	4603	-1371	-1269	14192	128	14320	2828	17148	49.90
22	5009	142	435	5586	1436	3742	0	4573	4748	-1285	-1260	14263	130	14393	2743	17136	49.85
23	5027	137	435	5599	1485	3718	0	4532	4542	-1283	-1249	14112	145	14257	2714	16971	49.76
24	5021	285	435	5741	1450	3653	0	4510	4905	-1225	-1219	14557	167	14724	2678	17402	49.84
MUs	125.80	4.70	10.38	140.88	40.35	85.16	1.05	108.14	110.04	-29.34	-29.60	348.13	8.00	356.13	65.15	421.28	49.92

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 25/Jun/2014

Position as on 6.30 Hrs of 26/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.	
CPP IPL U-2	270	16/06/2014	00.26	25/06/2014	12.53	Coal Shortage.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jun/2014

Position as on 6.30 Hrs of 26/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765 KV Solapur- Raichur	25/06/2014	06.15	25/06/2014	20.13	SPS setting work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Aurangabad (M) - 400KV Aurangabad (PG) - II	25/06/2014	12.42	25/06/2014	17.17	Work at PGCIL end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Talange - Chikodi	24/06/2014	16.40	25/06/2014	05.01	Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - II	24/06/2014	07.53	25/06/2014	17.17	To Control Loading on Talegaon PG-LNKND
Kolhapur - Mapusa - I	24/06/2014	18.22	25/06/2014	08.43	Over Voltage.
Kolhapur - Mapusa - I	25/06/2014	17.50		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/06/2014	18.36	26/06/2014	06.00	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Talegaon (PG)	24/06/2014	03.46	25/06/2014	10.58	Flashover on Loc.No. 29 Y Phase Suspension at Talegaon
Chakan-Talegaon(PG)	26/06/2014	01.47		Continued.	Dist.Prot.
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).
400/220 KV 315 MVA ICT-II @ Kharghar	25/06/2014	07.06	25/06/2014	12.15	DC leakage in CTR wiring.
400/220 KV 315 MVA ICT-II @ Chandrapur	25/06/2014	08.17	25/06/2014	16.24	Repl.of B-Ph CT due to high tan delta value.
400/220 KV,500MVA ICT-II at Deepnagar.	25/06/2014	09.08	25/06/2014	16.19	Repl R & Y Ph PRV Switch.and bay maint.work.
Main Bus- I @ Koradi	25/06/2014	13.49	25/06/2014	18.15	Erection of 400KV isolators and BPI in Dia 3.
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)
Butibori-Abhijeet ckt.	25/06/2014	07.26	25/06/2014	15.50	Conversion of SSN to DSN at various locations.
Paranda - Barshi	25/06/2014	09.09	25/06/2014	12.47	Outage at Barshi end.
Hingoli-Girawali	25/06/2014	10.15	25/06/2014	16.17	Repl.of faulty disc insulator.
Bale - Tuljapur	25/06/2014	10.15	25/06/2014	14.36	To connect jumpers of newly erected isolator at Bale.
Dhamangaon - Badnera	25/06/2014	10.16	25/06/2014	14.25	Repl.of Y-Ph CT jumper from gantry.
Khaparkheda-Ambazari - I	25/06/2014	11.06	25/06/2014	17.54	Conversion of STN to DTN.
Mumewadi-Mudshingi	25/06/2014	12.28	25/06/2014	18.49	Repl.of weak insu.string.
Talndage-Tilawani-II	25/06/2014	14.10	25/06/2014	15.56	Sparking at suspension insulator string.
Lamboti - Pandharpur	25/06/2014	16.36	25/06/2014	21.26	Restranging of E/W.
Vita - Lamboti	25/06/2014	16.36	25/06/2014	21.27	Restranging of E/W.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	24/06/2014	16.57	25/06/2014	07.24	Over Voltage.
Bhusawal- Aurangabad	24/06/2014	20.52	25/06/2014	07.17	Over Voltage.
Karad - Kolhapur - I	25/06/2014	16.47		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jun/2014

Position as on 6.30 Hrs of 26/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	25/06/2014	18.30	26/06/2014	05.50	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
Bale-Usmanabad	25/06/2014	10.13	25/06/2014	14.30	Tuljapur-Bale under 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
Mudshingi-Talangade - I	24/06/2014	10.12	25/06/2014	04.14	Distance Protection.
Bale-Usmanabad	25/06/2014	17.50		Continued.	Dist.Prot.
Vita - Lamboti	26/06/2014	02.17		Continued.	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Baramati Agro-Kagjipura	25/06/2014	19.50	25/06/2014	20.10	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	146
Unit 7	210	165
	620	311
Bhusawal		
Unit 2	210	135
Unit 3	210	150
Unit 4	500	350
Unit 5	500	350
	1420	985
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	0
Unit 6	250	178
Unit 7	250	167
	1130	480
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1560
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	198
Unit 5	210	185
	630	573
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	60

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	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	132
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	100
Adani	2640	1823
Other CPPs	300	665
	4545	3413
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	4790
	3455	4790