



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jun/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.549	2565.248	1) Gujrat	4.971	90.273
2) Hydro	3.397	106.279	2) Madhya Pradesh	19.332	435.572
3) Gas	10.654	253.536	3) Chattisgarh	7.810	206.370
Total MSGENCO	124.600	2925.063	4) Maharashtra Net	77.790	1923.036
B) 1) JSW JAIGAD	17.283	505.808	(Incl. 765kV Solapur-Raichur)	-4.168	-12.172
2) WPCL	0.000	7.169	5) Goa	-5.864	-145.290
3) ADANI	40.276	834.695	6) TAPS 1&2 Injection	6.115	145.106
4) Other CPP / IPP	16.847	364.170	7) RGPPL Injection	0.000	0.000
5) Wind Generation	47.959	601.031	8) Pench (Excess)	0.000	-3.703
6) PENCH (MS)	0.000	3.703	# Total Cent. Sector	110.154	2651.364
7) SOLAR	0.776	20.991	F) Other Exchanges		
C) 1) TPCL Thermal	10.244	414.075	1) With TPCL (Excess)	-27.038	-598.012
2) TPCL Hydro	3.753	97.423	G) Bilateral Power *		
TOTAL TPCL	13.997	511.498	1) MSEDCL Bilateral	12.971	532.706
3) REL Thermal	12.512	272.276	Include PX	-2.892	85.031
D) STATE			2) MUMBAI Bilateral	25.579	548.016
1) Thermal (A1+C1+C3)	133.305	3251.599	Include PX	4.601	94.951
2) Hydro (A2+B6+C2)	7.150	207.405	3) MUMBAI Schedule	25.579	552.911
3) Gas (A3)	10.654	253.536	H) ENERGY CATERED (MUs)		
4) Wind (B5)	47.959	601.031	1) MSEDCL	330.857	7315.982
5) CPP/IPP (B1+B2+B3+B4)	74.406	1711.842	2) TPCL	32.838	872.386
6) SOLAR (B7)	0.776	20.991	3) REL	20.707	509.291
TOTAL STATE	274.250	6046.404	TOTAL STATE	384.402	8697.659

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4861	4684	4558
MSGENCO Hydro	128	173	122
MSGENCO Gas	448	439	446
MSGENCO Total Generation	5437	5296	5126
Central Sector Receipt	4836	4844	4198
WIND	2235	2219	1804
CPP / IPP	3372	3068	3002
SOLAR	86	85	0
Exchange with Mumbai	-1269	-1218	-1048
MSEDCL DEMAND MET	14697	14294	13082
Load Shedding	52	56	51
MSEDCL DEMAND	14749	14350	13133
TPCL GENERATION	491	549	420
R-INFRA GENERATION	521	522	522
TPCL+R-INFRA DEMAND	2281	2289	1990
STATE DEMAND MET	16978	16583	15072
STATE DEMAND	17030	16639	15123
Frequency (Hz)	50.02	49.95	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.55 Hrs	49.75 Hz at 20.15 Hrs	50.02	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 22/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	68.30	145	121	140
Unit 7	3.35	67.63	155	120	135
Total	6.59	150.24			275
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.46	72.19	150	135	140
Unit 4	8.60	186.48	425	345	340
Unit 5	7.38	170.04	380	225	300
Total	19.44	433.11			780
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.48	66.34	155	137	147
Unit 5	3.58	47.36	158	140	141
Unit 6	1.11	89.05	183	0	0
Unit 7	4.57	99.25	225	177	180
Total	12.74	302.00			468
Chandrapur					
Unit 1	2.94	68.95	133	109	145
Unit 2	3.48	55.34	155	135	165
Unit 3	3.69	70.99	169	130	180
Unit 4	4.08	94.35	190	166	210
Unit 5	9.12	175.26	420	350	450
Unit 6	8.61	168.75	400	335	430
Unit 7	0.00	124.70	0	0	0
Total	31.93	758.34			1580
Paras					
Unit 3	4.42	85.70	197	158	230
Unit 4	5.16	117.30	228	166	250
Total	9.57	203.00			480
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.84	80.82	170	150	150
Unit 3	4.03	88.27	183	147	170
Unit 4	3.93	70.04	177	143	170
Unit 5	6.03	181.62	420	0	350
Total	17.83	434.87			840
Nasik					
Unit 3	4.16	94.79	180	165	190
Unit 4	4.10	97.84	181	158	200
Unit 5	4.20	91.06	180	168	180
Total	12.45	283.68			570
Uran					
All Units	10.65	253.54	448	437	470
Total	10.65	253.54			470
PENCH (MS)					
Pench (MS)	0.00	3.70	0	0	
Total	0.00	3.70			
Koyna					
Stage 1-2	1.05	27.86	55	40	600
Stage 4	0.00	6.08	0	0	250
Stage 3	0.29	8.43	80	0	320
Kovna 12&4 Total	1.05	33.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.34	42.37			1170
Hydro					
KDPH	0.24	3.13	10	10	10
VTRNA	1.03	21.99	61	0	60
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.32	5.01	40	0	40
RNGR+BHTSA	0.24	5.25	10	9	10
BHANDARDRA	0.00	1.17	0	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.09	5.68	12	1	9
GHATGHAR	0.14	21.56	105	0	0
Total	2.06	63.91			159
Wind					
MalharPeth	1.33	13.57			
Vankuswadi	2.06	23.46			
ATIT	0.38	4.06			
Kale	1.01	9.69			
Satara	21.28	264.48			
Shirala	1.30	13.19			
K Mahankal	0.11	1.92			
Supa	0.22	5.12			
Vita	4.69	57.36			
Dondaicha	9.59	134.92			
Sakri	1.58	20.47			
Nandurbar	0.92	12.58			
Khandke	1.93	20.97			
Khaparale	1.55	19.26			
Total	47.96	601.03			
CPP					
JSW JAIGAD	17.28	505.81	839	614	815
WARDHA	0.00	7.17	0	0	0
Adani	40.28	834.70	1854	1371	1823
Other CPPs	16.85	364.17			705
Total	74.41	1711.84			3343
SOLAR					
Total	0.78	20.99			
Total	0.78	20.99			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	1.27	231.56	351	0	0
Trombay 6	4.63	90.58	261	154	500
Trombay 7A	2.75	58.56	124	96	120
Trombay 7B	1.59	33.38	69	60	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.75	97.42	387	72	447
Total	14.00	511.50			1127
REL					
1&2	12.51	272.28	525	518	500
Total	12.51	272.28			500
Cent Sect					
Share					4872
Total					4872
MS PG CL	Thermal	110.55	2565.25		4993
	Thml+Gas	121.20	2818.78		5463
	Hydro	3.40	106.28		1329
	Total	124.60	2925.06		6792
State Total	274.25	6046.40			16634

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4564	122	447	5133	1940	3101	0	4353	5074	-996	-1132	14116	79	14195	2450	16645	50.02
2	4582	122	445	5149	1986	3103	0	4167	4453	-948	-1028	13663	50	13713	2288	16001	50.02
3	4583	122	448	5153	1945	3030	0	3951	4244	-919	-1000	13372	50	13422	2154	15576	50.08
4	4556	137	444	5137	1963	3189	0	3896	4537	-899	-1053	13773	50	13823	2049	15872	50.08
5	4558	122	446	5126	1804	3002	0	3915	4198	-905	-1048	13082	51	13133	1990	15123	49.99
6	4562	127	443	5132	1826	2970	0	4336	4667	-942	-1057	13538	61	13599	1999	15598	49.97
7	4613	122	446	5181	1711	3200	8	4458	5068	-948	-998	14170	90	14260	1938	16198	50.02
8	4659	127	446	5232	1851	3298	22	4467	4938	-956	-967	14374	93	14467	1942	16409	50.05
9	4676	161	444	5281	2034	3215	42	4445	4481	-1048	-1026	14027	77	14104	2008	16112	50.08
10	4670	176	444	5290	2059	3226	69	4499	4842	-1140	-1108	14378	56	14434	2113	16547	50.02
11	4672	171	448	5291	2103	3328	88	4538	4844	-1185	-1207	14447	50	14497	2222	16719	49.97
12	4861	128	448	5437	2235	3372	86	4619	4836	-1246	-1269	14697	52	14749	2281	17030	50.02
13	4917	106	447	5470	1973	3231	116	4552	4682	-1231	-1226	14246	109	14355	2304	16659	50.05
14	4675	111	445	5231	2150	3120	98	4534	4307	-1166	-1201	13705	59	13764	2283	16047	50.00
15	4684	173	439	5296	2219	3068	85	4696	4844	-1160	-1218	14294	56	14350	2289	16639	49.95
16	4653	182	437	5272	2146	2951	73	4692	4719	-1167	-1204	13957	55	14012	2275	16287	49.97
17	4653	162	439	5254	2090	2936	50	4512	4720	-1105	-1185	13865	60	13925	2252	16177	50.08
18	4638	92	446	5176	2192	2804	30	4066	4014	-1055	-1103	13113	63	13176	2196	15372	50.19
19	4357	137	440	4934	2105	2755	8	3827	3499	-1034	-1079	12222	64	12286	2173	14459	50.04
20	4342	138	438	4918	1982	2760	1	4520	4895	-1075	-1129	13427	72	13499	2324	15823	49.93
21	4450	273	441	5164	2033	3050	0	4550	4542	-1086	-1218	13571	84	13655	2427	16082	49.91
22	4526	159	443	5128	1899	3164	0	4511	4468	-1078	-1192	13467	58	13525	2484	16009	50.02
23	4506	121	445	5072	1821	3198	0	4445	5030	-1142	-1175	13946	55	14001	2535	16536	49.97
24	4592	106	445	5143	1892	3335	0	4446	4252	-1148	-1215	13407	55	13462	2571	16033	49.98
MUs	110.55	3.40	10.65	124.60	47.96	74.41	0.78	105.00	110.15	-25.58	-27.04	330.86	1.55	332.41	53.55	385.95	50.02

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 22/Jun/2014

Position as on 6.30 Hrs of 23/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.	
Tata Trombay 5	500	21/06/2014	00.00	22/06/2014	19.05	Boiler Recertification	
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).	
Bhusawal Unit 2	210	02/06/2014	09.02	23/06/2014	04.41	Air Heater Problem.	
CPP WPCL U-3	135	04/06/2014	00.12		Continued.	Coal Shortage.	
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		Continued.	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.	
Parli Unit 6	250	19/06/2014	20.40	22/06/2014	14.56	BLR T/L.	
Khaparkheda Unit 5	500	22/06/2014	17.44	22/06/2014	22.54	Generation Prot.operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jun/2014

Position as on 6.30 Hrs of 23/Jun/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 - I	19/06/2014	16.48	22/06/2014	09.50	Over Voltage.
Dhule-Sar'Sarovar - I	22/06/2014	01.03	22/06/2014	06.39	Over Voltage
A'bad-Talegaon PG-1	22/06/2014	01.08	22/06/2014	01.19	To take Line Reactor
Talegaon PG- Aurangabad - II	22/06/2014	01.31	22/06/2014	01.39	To take Line Reactor
Kolhapur - Mapusa - I	22/06/2014	16.52		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	22/06/2014	17.30		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon(PG) - Parli (PG) - I	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Talegaon (PG - Parli (PG) - II	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
IntraState					
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)
Aurangabad - BBLSR	21/06/2014	11.32	22/06/2014	05.28	Stringing of 400KV A'Bad-II(TT)-BBLSR DC QuadLine
Babaleshwar - Bhenda	21/06/2014	11.41	22/06/2014	15.47	Stringing of 400KV A'Bad-II(TT)-BBLSR DC QuadLine
Pusad - Bhugaon	22/06/2014	08.27	22/06/2014	18.49	Repl.of Damaged Conductor
Halkarni - Momewadi -I	22/06/2014	09.00	22/06/2014	17.45	Repl.of Isolator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV ICT- I @ Lonikand	13/06/2014	12:42		Continued.	B ph Bus CT Oil leakage, ICT on TBC.
Karad - Kolhapur - I	21/06/2014	17.05		Continued.	Over Voltage
Bhusawal- Aurangabad	22/06/2014	17.27		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
Murud-Tuljapur	22/06/2014	08.19	22/06/2014	19.00	Outage on Pusad-Bhugaon
Hingoli-Pusad	22/06/2014	08.25	22/06/2014	18.54	Outage on Pusad-Bhugaon
Voltage Level : 400KV			Outage Type TRIPPED		
Bableswhar-Aurangabad	22/06/2014	13.38	22/06/2014	15.47	Distance Protection
Main Bus-II at Khaperkheda	22/06/2014	17.44	22/06/2014	19.20	LBB Operated at K'Kheda
Koradi-Khaparkheda-I	22/06/2014	17.44	22/06/2014	20.17	LBB Operated at K'Kheda
400/220KV 500MVA ICT- I at Khaperkheda	22/06/2014	17.44	22/06/2014	19.29	LBB Operated at K'Kheda
400/220 KV 500 MVA ICT - II at Khaparkheda	22/06/2014	17.44	22/06/2014	19.33	LBB Operated at K'Kheda
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)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jun/2014

Position as on 6.30 Hrs of 23/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.	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
220/100 KV 100 MVA ICT - I @ Vasai	22/06/2014	22.49		Continued.	Differential Protection
Vita - Lamboti	23/06/2014	00.01		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras - Akot	22/06/2014	16.24	22/06/2014	16.48	Load Trimming Scheme operated
Pusad - Gunj	22/06/2014	17.06	22/06/2014	17.12	pusad-Yavatmal Load Trimming Scheme operated
Pusad-Jambazar	22/06/2014	17.06	22/06/2014	17.20	pusad-Yavatmal Load Trimming Scheme operated
Pusad - Umarkhed	22/06/2014	17.06	22/06/2014	17.50	pusad-Yavatmal Load Trimming Scheme operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	620	305
Bhusawal		
Unit 2	210	100
Unit 3	210	140
Unit 4	500	350
Unit 5	500	350
	1420	940
Parli		
Unit 3	210	0
Unit 4	210	143
Unit 5	210	143
Unit 6	250	180
Unit 7	250	175
	1130	641
Chandrapur		
Unit 1	210	145
Unit 2	210	165
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	420
Unit 7	500	0
	2340	1575
Paras		
Unit 3	250	170
Unit 4	250	200
	500	370
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	180
	630	570
Uran		
All Units	852	470
	852	470
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	128
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	824
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	705
	4545	3352
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	4676
	3455	4676