



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/May/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.733	2441.495	1) Gujrat	6.728	165.444
2) Hydro	26.238	268.418	2) Madhya Pradesh	21.391	420.129
3) Gas	13.887	253.567	3) Chattisgarh	9.270	173.120
Total MSGENCO	155.858	2963.480	4) Maharashtra Net	92.580	1725.570
B) 1) JSW JAIGAD	19.470	398.779	(Incl. 765kV Solapur-Raichur)	-0.156	-2.020
2) WPCL	2.812	54.845	5) Goa	-5.945	-139.123
3) ADANI	29.557	813.913	6) TAPS 1&2 Injection	7.446	148.133
4) Other CPP / IPP	24.589	438.028	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.150	232.840	8) Pench (Excess)	-0.328	-3.784
6) PENCH (MS)	0.328	3.784			
7) SOLAR	0.826	19.604	# Total Cent. Sector	131.142	2489.489
C) 1) TPCL Thermal	19.991	366.883	F) Other Exchanges		
2) TPCL Hydro	6.115	77.252	1) With TPCL (Excess)	-27.124	-520.475
TOTAL TPCL	26.106	444.135	G) Bilateral Power *		
3) REL Thermal	12.476	243.983	1) MSEDCL Bilateral	27.957	536.246
D) STATE			Include PX	5.616	85.051
1) Thermal (A1+C1+C3)	148.200	3052.361	2) MUMBAI Bilateral	28.790	547.886
2) Hydro (A2+B6+C2)	32.681	349.454	Include PX	2.949	59.650
3) Gas (A3)	13.887	253.567	3) MUMBAI Schedule	28.790	548.964
4) Wind (B5)	10.150	232.840	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	76.428	1705.565	1) MSEDCL	347.608	6894.287
6) SOLAR (B7)	0.826	19.604	2) TPCL	41.731	770.289
TOTAL STATE	282.172	5613.391	3) REL	23.973	438.287
			TOTAL STATE	413.312	8102.863

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4669	4972	4787
MSGENCO Hydro	2037	1439	389
MSGENCO Gas	581	577	582
MSGENCO Total Generation	7287	6988	5758
Central Sector Receipt	5742	5713	5505
WIND	133	539	337
CPP / IPP	3592	3792	3061
SOLAR	136	57	0
Exchange with Mumbai	-1361	-1340	-788
MSEDCL DEMAND MET	15539	15749	13873
Load Shedding	795	527	193
MSEDCL DEMAND	16334	16276	14066
TPCL GENERATION	1384	1422	770
R-INFRA GENERATION	516	518	522
TPCL+R-INFRA DEMAND	3261	3280	2080
STATE DEMAND MET	18800	19029	15953
STATE DEMAND	19595	19556	16146
Frequency (Hz)	50.01	49.89	49.77

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 05.56 Hrs	49.59 Hz at 00.00 Hrs	49.9	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 20/May/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.52	69.14	158	131	155
Unit 7	3.69	68.72	180	115	180
Total	7.21	137.86			335
Bhusawal					
Unit 2	3.08	63.84	145	105	135
Unit 3	3.08	49.68	140	115	135
Unit 4	8.00	166.67	485	280	300
Unit 5	7.48	153.08	400	285	300
Total	21.62	433.28			870
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.73	75.43	165	150	150
Unit 6	4.98	92.32	250	188	200
Unit 7	4.96	67.05	250	191	200
Total	13.67	258.19			550
Chandrapur					
Unit 1	3.19	65.78	135	130	137
Unit 2	0.00	65.70	0	0	0
Unit 3	0.00	22.40	0	0	0
Unit 4	3.59	88.30	175	118	155
Unit 5	10.13	157.64	445	375	443
Unit 6	8.58	182.65	400	246	391
Unit 7	7.06	168.81	375	221	255
Total	32.55	751.29			1381
Paras					
Unit 3	4.96	78.41	220	176	250
Unit 4	5.50	92.66	248	93	250
Total	10.46	171.07			500
Khaparkheda					
Unit 1	3.33	71.45	145	130	190
Unit 2	3.30	66.78	150	120	185
Unit 3	3.42	65.27	155	133	210
Unit 4	3.42	70.30	155	139	210
Unit 5	8.13	170.45	495	280	500
Total	21.60	444.24			1295
Nasik					
Unit 3	4.23	86.70	185	165	190
Unit 4	4.40	79.37	194	171	190
Unit 5	0.00	79.50	0	0	0
Total	8.63	245.57			380
Uran					
All Units	13.89	253.57	595	550	600
Total	13.89	253.57			600
PENCH (MS)					
Pench (MS)	0.33	3.78	27	0	
Total	0.33	3.78			
Koyna					
Stage 1-2	7.24	65.46	525	45	600
Stage 4	11.29	79.48	1120	0	250
Stage 3	3.95	32.93	306	0	320
Kovna 12&4 Total	18.52	144.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	22.47	177.87			1170
Hydro					
KDPH	0.29	5.64	13	12	18
VTRNA	1.08	23.60	61	0	61
TILLARI	0.80	8.96	64	0	60
BHTGR/VEER	0.04	1.08	2	1	4
BHIRA T.R.	0.31	4.72	40	0	40
RNGR+BHTSA	0.27	4.31	12	11	15
BHANDARDRA	0.00	9.59	0	0	11
ELDARY	0.00	2.96	0	0	
SMLHY PTN	0.32	12.28	20	11	21
GHATGHAR	0.65	17.41	250	0	
Total	3.76	90.55			230
Wind					
MalharPeth	0.18	3.55			
Vankuswadi	0.38	8.58			
ATIT	0.05	0.89			
Kale	0.05	2.24			
Satara	3.84	77.76			
Shirala	0.15	4.10			
K Mahankal	0.03	0.53			
Supa	0.09	2.26			
Vita	1.05	18.47			
Dondaicha	2.95	82.27			
Sakri	0.41	10.74			
Nandurbar	0.21	7.72			
Khandke	0.24	4.34			
Khaparale	0.51	9.39			
Total	10.15	232.84			
CPP					
JSW JAIGAD	19.47	398.78	850	782	825
WARDHA	2.81	54.84	122	107	120
Adani	29.56	813.91	1810	0	1246
Other CPPs	24.59	438.03			915
Total	76.43	1705.56			3106
SOLAR					
Total	0.83	19.60			
Total	0.83	19.60			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.23	204.73	500	397	450
Trombay 6	4.40	77.22	289	153	500
Trombay 7A	2.77	53.62	122	95	120
Trombay 7B	1.59	31.31	69	60	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.12	77.25	471	0	447
Total	26.11	444.14			1577
REL					
1&2	12.48	243.98	522	516	500
Total	12.48	243.98			500
Cent Sect					
Share					5659
Total					5659
MS PG CL	Thermal	115.73	2441.50		5311
	Thml+Gas	129.62	2695.06		5911
	Hydro	26.24	268.42		1400
	Total	155.86	2963.48		7311
State Total		282.17	5613.39		18153

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/May/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	4848	1410	581	6839	449	3137	0	5458	5549	-1083	-1226	14775	118	14893	2620	17513	49.84
2	4824	944	581	6349	449	3064	0	5499	5517	-1052	-1069	14333	156	14489	2391	16880	49.91
3	4774	697	581	6052	380	3066	0	5469	5673	-982	-959	14222	175	14397	2231	16628	49.90
4	4831	432	581	5844	361	3101	0	5395	5464	-1004	-870	13900	182	14082	2126	16208	49.85
5	4787	389	582	5758	337	3061	0	5319	5505	-924	-788	13873	193	14066	2080	16146	49.77
6	4795	485	595	5875	273	3080	0	5309	5554	-917	-745	14037	366	14403	2084	16487	49.96
7	4789	497	592	5878	134	3038	1	5212	5273	-981	-711	13624	754	14378	2053	16431	49.99
8	4781	627	588	5996	105	3129	22	5151	5473	-925	-802	13949	859	14808	2142	16950	49.93
9	4685	1230	586	6501	48	3245	58	5356	5605	-1218	-1056	14424	806	15230	2460	17690	49.92
10	4655	2007	581	7243	61	3274	84	5445	5508	-1167	-1142	15055	597	15652	2846	18498	49.89
11	4599	2147	578	7324	108	3502	95	5570	5822	-1271	-1324	15554	632	16186	3151	19337	49.91
12	4669	2037	581	7287	133	3592	136	5648	5742	-1361	-1361	15539	795	16334	3261	19595	50.01
13	5174	1242	578	6994	168	3708	105	5656	5593	-1379	-1372	15196	948	16144	3279	19423	49.89
14	5343	923	573	6839	277	3819	126	5610	5699	-1320	-1335	15425	837	16262	3242	19504	49.95
15	5384	959	577	6920	384	3791	86	5628	5653	-1355	-1382	15452	645	16097	3277	19374	49.85
16	4972	1439	577	6988	539	3792	57	5658	5713	-1415	-1340	15749	527	16276	3280	19556	49.89
17	4779	1295	577	6651	641	3786	37	5348	5300	-1329	-1318	15097	505	15602	3257	18859	49.86
18	4831	248	576	5655	518	3807	7	4887	5092	-1332	-1316	13763	599	14362	3095	17457	49.93
19	4849	214	576	5639	719	3816	12	4397	4469	-1281	-1250	13422	473	13895	2919	16814	49.99
20	4771	290	580	5641	883	3716	0	4983	4863	-1294	-1234	13896	599	14495	2893	17388	49.87
21	4688	1320	578	6586	764	2006	0	5137	5686	-1405	-1220	13845	421	14266	2830	17096	49.90
22	4660	1658	580	6898	831	2022	0	4988	5347	-1258	-1183	13942	232	14174	2724	16898	49.86
23	4716	1810	558	7084	844	1957	0	4998	5538	-1249	-1092	14354	149	14503	2726	17229	49.85
24	4529	1938	550	7017	744	1919	0	5109	5503	-1288	-1029	14181	131	14312	2739	17051	49.85
MUs	115.7 3	26.24	13.89	155.86	10.15	76.43	0.83	127.23	131.14	-28.79	-27.12	347.61	11.70	359.31	65.71	425.01	49.90

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 20/May/2014

Position as on 6.30 Hrs of 21/May/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
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 JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34		Continued.	PA Fan problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	18/05/2014	5.45		Continued.	furance pressure high	
Nasik Unit 5	210	19/05/2014	00.40		Continued.	BLR T/L.	
Chandrapur Unit 3	210	19/05/2014	07.45	21/05/2014	01.44	PA Fan Problem.	
CPP Adani U-4	660	19/05/2014	23.59	20/05/2014	09.16	Condenser valve leakage.	
CPP Adani U-2	660	20/05/2014	19.57	21/05/2014	05.34	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
CPP Adani U-3	660	20/05/2014	19.57		Continued.	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
CPP Adani U-4	660	20/05/2014	19.57		Continued.	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
Koyna ST-IV 2	250	20/05/2014	20.07		Continued.	Sequence execution problem.	
Paras Unit 4	250	20/05/2014	23.26		Continued.	Air heater problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2014

Position as on 6.30 Hrs of 21/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	20/05/2014	09.44	20/05/2014	18.18	E/W Tightening.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	19/05/2014	17.44		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	18/05/2014	18.55		Continued.	over voltage
Kolhapur - Mapusa - II	19/05/2014	17.10	20/05/2014	08.56	Over Voltage.
Kolhapur - Mapusa - I	20/05/2014	17.00		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV GT-5Main Bay (410) at Deepnagar	13/05/2014	09.05		Continued.	Dismantling old 400KV main CB and erection and commissioning of new CB.
Deepnagar-Aurangabad-I	20/05/2014	09.44		Continued.	For Lilo of Tapti Tanda S/S.
New Koyna - Dabhol - II	20/05/2014	09.53		Continued.	Line insulator washing.
400KV Tie Bay(Tiroda Ckt I-Chdpr-II Ckt I)412 at Warora	20/05/2014	14.18	20/05/2014	16.47	To attend hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus - I at Kolhapur.	19/05/2014	15.15		Continued.	Insulator cleaning work.
Taloja-OCIL-II	20/05/2014	07.35		Continued.	P.M.& R.M.Work
Parly - Girwali - IV	20/05/2014	08.52	20/05/2014	21.32	Repl.of 3Nos.CT.
Pedambe - Mahad	20/05/2014	09.55	20/05/2014	17.35	Repl.of flashover insulator string & cold washing insulator.
Usmanabad-Paranda	20/05/2014	10.14	20/05/2014	14.55	Q.M.Work
Aux.Bus at Murud	20/05/2014	11.40	20/05/2014	12.40	R.M.Work
Raymond-Washala	20/05/2014	13.40	20/05/2014	16.12	To attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad - Kolhapur - II	19/05/2014	16.09	20/05/2014	07.38	Over Voltage.
Karad - Kolhapur - I	20/05/2014	16.02		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
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,315MVA ICT-I at Karad	20/05/2014	07.55	20/05/2014	12.51	Tripped on PRV.
Karad-Jaigad I	20/05/2014	15.55		Continued.	Dist.Prot.
Karad-Jaigad II	20/05/2014	16.18	20/05/2014	17.11	Dist.Prot.
Warora-Tiroda-I	20/05/2014	19.57		Continued.	B-Ph LA Burst at Warora.
Warora - Tiroda - II	20/05/2014	19.57	20/05/2014	20.07	Tirora end only.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Kedgaon	20/05/2014	16.04	20/05/2014	17.16	Dist.Prot.
Abhijeet-Wardha-I	20/05/2014	18.01	20/05/2014	19.04	Dist.Prot.
Pedambe - Mahad	20/05/2014	19.35		Continued.	Trip Ckt faulty.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2014

Position as on 6.30 Hrs of 21/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Sawda-Raver	20/05/2014	11.50	20/05/2014	12.05	Dist.Prot.
Sawda-Raver	20/05/2014	13.05	20/05/2014	14.25	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	175
	620	340
Bhusawal		
Unit 2	210	130
Unit 3	210	120
Unit 4	500	305
Unit 5	500	305
	1420	860
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	200
Unit 7	250	200
	1130	555
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	60
Unit 4	210	140
Unit 5	500	425
Unit 6	500	350
Unit 7	500	400
	2340	1515
Paras		
Unit 3	250	210
Unit 4	250	0
	500	210
Khaparkheda		
Unit 1	210	190
Unit 2	210	185
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1295
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	600
	852	600
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	34
GHATGHAR	250	0
	611	230
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	120
Adani	2640	1246
Other CPPs	300	915
	4545	3106
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5886
	3455	5886