



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/May/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.717	2316.894	1) Gujrat	10.958	246.735
2) Hydro	13.656	290.318	2) Madhya Pradesh	14.299	376.254
3) Gas	10.972	173.466	3) Chattisgarh	8.790	181.250
Total MSGENCO	148.345	2780.678	4) Maharashtra	62.557	1297.840
B) 1) JSW JAIGAD	28.211	527.936	5) Goa	-6.009	-125.530
2) WPCL	7.692	155.241	6) TAPS 1&2 Injection	3.896	76.379
3) ADANI	0.000	225.850	7) RGPPL Injection	27.109	223.943
4) Other CPP / IPP	13.188	216.882	8) Pench (Excess)	-0.106	-3.315
5) Wind Generation	11.953	285.459	# Total Cent. Sector	121.494	2273.556
6) PENCH (MS)	0.106	3.315	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.552	-296.487
1) TPCL Thermal	27.233	540.428	G) Bilateral Power *		
2) TPCL Hydro	4.700	75.484	1) MSEDCL Bilateral	23.468	726.485
TOTAL TPCL	31.933	615.912	Include PX	0.000	50.068
3) REL Thermal	12.266	247.811	2) MUMBAI Bilateral	16.023	314.970
D) STATE			Include PX	2.858	71.484
1) Thermal (A1+C1+C3)	163.216	3105.133	3) MUMBAI Schedule	16.023	314.970
2) Hydro (A2+B5+C2)	18.462	369.117	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.972	173.466	1) MSEDCL	314.437	6172.430
4) Wind (B4)	11.953	285.459	2) TPCL	39.219	750.933
5) CPP (B1+B2+B3)	49.091	900.059	3) REL	21.533	409.249
TOTAL STATE	253.694	4833.234	TOTAL STATE	375.189	7332.612

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5225	4940	5234
MSGENCO Hydro	1297	1121	101
MSGENCO Gas	453	459	433
MSGENCO Total Generation	6975	6520	5768
Central Sector Receipt	5393	5353	4653
WIND	323	242	627
CPP / IPP	2166	2107	1984
Exchange with Mumbai	-857	-922	-289
MSEDCL DEMAND MET	14000	13300	12743
Load Shedding	694	507	204
MSEDCL DEMAND	14694	13807	12947
TPCL GENERATION	1651	1593	1086
R-INFRA GENERATION	523	518	524
TPCL+R-INFRA DEMAND	3031	3033	1899
STATE DEMAND MET	17031	16333	14642
STATE DEMAND	17725	16840	14846
Frequency (Hz)	49.77	50.07	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 06.02 Hrs	49.52 Hz at 19.35 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 20/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.00	51.16	145	115	130
Unit 6	2.74	59.57	140	95	120
Unit 7	2.98	72.56	160	90	120
Total	8.72	183.29			370
Bhusawal					
Unit 2	2.12	57.41	155	0	160
Unit 3	3.66	73.14	175	130	160
Unit 4	8.62	173.22	420	320	375
Unit 5	4.36	27.37	320	0	
Total	18.77	331.14			695
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Unit 6	0.00	0.00	0	0	
Unit 7	0.00	0.00	0	0	
Total	0.00	0.00			
Chandrapur					
Unit 1	3.92	74.71	168	156	165
Unit 2	3.94	70.09	171	153	165
Unit 3	4.63	92.24	204	159	200
Unit 4	4.28	83.60	184	171	190
Unit 5	10.62	202.77	455	430	450
Unit 6	10.24	193.79	450	407	430
Unit 7	8.53	142.01	405	317	400
Total	46.17	859.21			2000
Paras					
Unit 3	5.77	110.89	260	213	250
Unit 4	5.86	109.34	260	230	250
Total	11.63	220.22			500
Khaparkheda					
Unit 1	3.56	64.24	165	115	180
Unit 2	3.49	70.54	165	130	150
Unit 3	4.04	73.52	206	135	190
Unit 4	4.09	78.31	211	137	180
Unit 5	10.03	181.25	451	343	400
Total	25.21	467.86			1100
Nasik					
Unit 3	4.40	85.02	190	175	190
Unit 4	4.27	81.80	181	172	180
Unit 5	4.54	88.37	196	172	190
Total	13.21	255.18			560
Uran					
All Units	10.97	173.47	475	433	480
Total	10.97	173.47			480
PENCH (MS)					
Pench (MS)	0.11	3.32	26	0	
Total	0.11	3.32			
Koyna					
Stage 1-2	4.20	81.70	505	40	600
Stage 4	4.21	102.59	547	0	250
Stage 3	1.71	40.63	240	0	240
Kovna 12&4 Total	8.41	184.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.12	224.92			1090
Hydro					
KDPH	0.78	14.22	33	32	33
VTRNA	0.00	12.89	0	0	0
TILLARI	0.36	6.90	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.12	4.00	43	0	80
RNGR+BHTSA	0.26	5.47	11	10	11
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.47	9.94	20	19	
GHATGHAR	1.55	8.27	250	0	
Total	3.54	65.40			184
Wind					
MalharPeth	0.16	9.40			
Vankuswadi	0.28	13.76			
ATIT	0.04	6.98			
Kale	0.19	6.46			
Satara	1.76	18.60			
Shirala	0.15	6.43			
K Mahankal	0.03	13.88			
Supa	0.09	2.30			
Vita	0.90	20.34			
Dondaicha	5.85	130.63			
Sakri	0.76	16.66			
Nandurbar	0.68	14.08			
Khandke	0.37	11.74			
Khaparale	0.67	14.20			
Total	11.95	285.46			
CPP					
JSW JAIGAD	28.21	527.94	1194	1112	1100
WARDHA	7.69	155.24	327	312	345
Adani	0.00	225.85	0	0	
Other CPPs	13.19	216.88			230
Total	49.09	1125.91			1675
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	229.18	504	486	500
Trombay 6	4.69	101.49	319	150	500
Trombay 7A	2.93	58.62	124	119	120
Trombay 7B	1.62	32.12	69	66	60
Trombay 8	6.03	119.02	253	250	250
TATA Hydro	4.70	75.48	425	0	447
Total	31.93	615.91			1877
REL					
1&2	12.27	247.81	525	407	500
Total	12.27	247.81			500
Cent Sect					
Share					5312
Total					5312

MS PG CL	Thermal	123.72	2316.89			5225
	Thml+Gas	134.69	2490.36			5705
	Hydro	13.66	290.32			1274
	Total	148.34	2780.68			6979
State Total		253.69	4833.23			16343

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/May/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5273	406	433	6112	478	1987	5204	5455	-696	-628	13404	126	13530	2295	15825	49.93
2	5237	246	433	5916	578	1990	5108	5186	-599	-509	13161	169	13330	2121	15451	50.05
3	5234	104	433	5771	595	1988	5103	5031	-511	-392	12993	187	13180	1992	15172	50.01
4	5234	101	433	5768	627	1984	4802	4653	-493	-289	12743	204	12947	1899	14846	50.05
5	5204	117	462	5783	605	1984	4770	4622	-493	-237	12757	243	13000	1848	14848	50.07
6	5221	102	472	5795	720	1939	4754	4842	-493	-282	13014	412	13426	1868	15294	50.07
7	5251	112	472	5835	614	1893	4697	4809	-490	-359	12792	868	13660	1858	15518	50.22
8	5364	102	470	5936	579	1929	4815	4885	-487	-483	12846	861	13707	1983	15690	50.16
9	5306	121	475	5902	552	2041	4980	4918	-505	-520	12893	815	13708	2285	15993	49.99
10	5257	744	462	6463	454	2114	5145	5353	-647	-598	13786	610	14396	2658	17054	49.90
11	5221	1265	445	6931	345	2165	5333	5396	-830	-796	14041	587	14628	2931	17559	49.87
12	5225	1297	453	6975	323	2166	5404	5393	-898	-857	14000	694	14694	3031	17725	49.77
13	5222	1077	452	6751	339	2149	5351	5270	-898	-913	13596	815	14411	3065	17476	49.89
14	5224	946	445	6615	318	2184	5320	5283	-868	-1028	13372	696	14068	2994	17062	49.95
15	5052	1313	450	6815	477	2144	5252	5325	-878	-954	13807	544	14351	3068	17419	49.85
16	4851	1413	456	6720	243	2153	5191	5402	-902	-921	13597	499	14096	3086	17182	49.95
17	4940	1121	459	6520	242	2107	5182	5353	-872	-922	13300	507	13807	3033	16840	50.07
18	4931	454	461	5846	413	1969	4671	4754	-570	-1097	11885	666	12551	2905	15456	50.11
19	4944	147	462	5553	471	1950	4670	4492	-537	-1048	11418	495	11913	2707	14620	50.09
20	5003	388	464	5855	434	2040	4997	4925	-600	-790	12482	495	12977	2768	15745	49.87
21	5185	509	470	6164	480	2085	5113	5099	-657	-728	13126	305	13431	2682	16113	49.90
22	5186	434	470	6090	516	2053	5037	5058	-644	-732	13011	170	13181	2604	15785	49.95
23	5165	514	470	6149	709	2027	5082	4961	-696	-698	13173	135	13308	2523	15831	49.89
24	4987	623	470	6080	841	2050	5058	5030	-758	-771	13240	117	13357	2547	15904	49.92
MUs	123.72	13.66	10.97	148.34	11.95	49.09	121.04	121.50	-16.02	-16.55	314.44	11.22	325.66	60.75	386.41	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 20/May/2013

Position as on 6.30 Hrs of 21/May/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work Upto 20.5.13.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
CPP Adani U1	660	17/05/2013	17.38		Continued.	Water Shortage	
Bhusawal Unit 2	210	20/05/2013	14.42		Continued.	ID Fan Vibration problem.	
Bhusawal Unit 5	500	20/05/2013	14.49	20/05/2013	18.36	Furnace pressure low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2013

Position as on 6.30 Hrs of 21/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	20/05/2013	08.01		Continued.	Jumper tightening at various locations. (Ready for charging at 18.56)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	16/05/2013	10.46		Continued.	H/T to control Wardha(PG)-Parli load.
Dhule-Sar'Sarovar - I	16/05/2013	23.01	20/05/2013	07.07	Over Voltage.
Kolhapur - Mapusa - I	19/05/2013	16.35	20/05/2013	09.32	Over Voltage.
Akola - Aurangabad - I	19/05/2013	18.41		Continued.	Heavy Sparking on R Phase Bus-I Isolator Taken on TBC
Wardha - Akola - I	19/05/2013	21.41	20/05/2013	07.40	Over Voltage
Kolhapur - Mapusa - II	20/05/2013	17.07		Continued.	H/T for over voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	14/05/2013	16.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	20/05/2013	02.13	20/05/2013	10.38	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Babaleshwar - Bhusawal	16/05/2013	09.47		Continued.	For diversion of existing 400KV BSL-BBLR from L.No.36 to 42.Outage for 8 days.
Dabhol - Nagothane - I	20/05/2013	09.16	20/05/2013	16.38	Replacement of broken conductor in span 85-86 E/W in span 182-183.
400 KV Main Bus - I @ Aurangabad	20/05/2013	14.53		Continued.	Hot Spot attending work.
Kalwa-Kharghar	20/05/2013	16.30	20/05/2013	19.34	Replacemenr of isolator clamp (29B) isolator B-Phase (taken on TBC).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Chalisgaon - Bhusawal- II	20/05/2013	08.53	20/05/2013	10.57	Attending oil leakages of CT.
Pophali-New Koyna	20/05/2013	09.17	20/05/2013	15.30	Preventive maintenance.
220/110KV 200MVa T/F 4 at Tilwani	20/05/2013	10.08	20/05/2013	11.25	Preventive maintenance.
220/100KV 200MVA ICT-III at Apta	20/05/2013	10.19	20/05/2013	12.00	Preventive maintenance work.
Dondaicha - Sahada	20/05/2013	10.29	20/05/2013	14.45	Replacement of existing relay and control panel.
Wardha-Bhugaon	20/05/2013	11.28	20/05/2013	19.29	Final wiring pf retrofitted dist. scheme and trial of A/R scheme.
220/100 KV 200 MVA ICT - IV @ Apta	20/05/2013	14.58	20/05/2013	17.21	Preventive maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2013

Position as on 6.30 Hrs of 21/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/05/2013	22.24		Continued.	Over Voltage
Karad - Kolhapur - II	19/05/2013	17.52	20/05/2013	06.42	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Phursungi - Theur	14/05/2013	08.09		Continued.	After completion of outage on Theur-Phursungi
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
Karad-Jaigad I	20/05/2013	01.13	20/05/2013	06.34	Distance Protection
Karad-Jaigad I	20/05/2013	14.58	20/05/2013	19.37	Distance protection.
Karad - Kolhapur - II	20/05/2013	16.26		Continued.	Tripped on Over Voltage.
Karad - Newkoyna - I	20/05/2013	17.48	21/05/2013	06.48	Distance protection.
Lonikand- Koyna Stage IV	21/05/2013	01.14		Continued.	Tripped on distance protection.
Karad-Jaigad I	21/05/2013	01.18	21/05/2013	01.51	Tripped on distance protection.
Karad-New Koyna II	21/05/2013	01.22	21/05/2013	01.46	Tripped on distance protection.
Karad-New Koyna II	21/05/2013	01.55	21/05/2013	07.12	Tripped on distance protection.
Karad-Jaigad I	21/05/2013	02.47	21/05/2013	06.50	Tripped on distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
Kandalgaon - Sona Alloy	20/05/2013	01.03	20/05/2013	01.20	Distance Protection
KDPH-Wankuswadi	20/05/2013	03.15	20/05/2013	14.00	Distance protection
Kandalgaon - Topworth	20/05/2013	13.58	20/05/2013	17.25	B To Y Phase fault.
Nanded - Parali	20/05/2013	18.05	21/05/2013	02.30	Tripped on distance protection, R-Phase jumper broken at Loc. 310 .
Kandalgaon - Pirangut	21/05/2013	01.45		Continued.	Tripped on distance protection.
Kandalgaon - Sona Alloy	21/05/2013	04.12	21/05/2013	04.40	Tripped on distance protection.
Kandalgaon - Sona Alloy	21/05/2013	05.34		Continued.	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	125
Unit 7	210	135
	620	390
Bhusawal		
Unit 2	210	0
Unit 3	210	160
Unit 4	500	430
Unit 5	500	
	1420	590
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	2030
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	150
Unit 3	210	170
Unit 4	210	190
Unit 5	500	400
	1340	1090
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	195
	630	565
Uran		
All Units	852	460
	852	460
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	33
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	43
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	147
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	1096
WARDHA	405	325
Adani	1320	
Other CPPs	300	223
	3225	1644
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5168
	3455	5168