



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Apr/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.932	1723.903	1) Gujrat	11.522	213.499
2) Hydro	5.586	137.768	2) Madhya Pradesh	21.013	300.151
3) Gas	14.258	178.547	3) Chattisgarh	8.810	120.110
Total MSGENCO	136.776	2040.218	4) Maharashtra	66.478	994.677
B) 1) JSW JAIGAD	23.685	364.369	5) Goa	-5.874	-90.595
2) WPCL	7.884	109.498	6) TAPS 1&2 Injection	3.937	33.062
3) ADANI	14.610	164.160	7) RGPPL Injection	13.961	291.062
4) Other CPP / IPP	12.011	157.817	8) Pench (Excess)	-0.063	-3.998
5) Wind Generation	16.063	143.813	# Total Cent. Sector	119.784	1857.968
6) PENCH (MS)	0.063	3.998	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.026	-196.124
1) TPCL Thermal	26.208	385.461	G) Bilateral Power *		
2) TPCL Hydro	4.032	55.645	1) MSEDCL Bilateral	52.366	664.510
TOTAL TPCL	30.240	441.106	Include PX	14.346	122.209
3) REL Thermal	12.595	188.496	2) MUMBAI Bilateral	15.488	225.079
D) STATE			Include PX	3.038	55.735
1) Thermal (A1+C1+C3)	155.735	2297.860	3) MUMBAI Schedule	15.488	225.079
2) Hydro (A2+B5+C2)	9.681	197.411	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.258	178.547	1) MSEDCL	315.850	4645.717
4) Wind (B4)	16.063	143.813	2) TPCL	37.961	543.506
5) CPP (B1+B2+B3)	58.190	646.294	3) REL	19.900	282.161
TOTAL STATE	253.927	3463.925	TOTAL STATE	373.711	5471.384

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4815	5029	4878
MSGENCO Hydro	574	301	136
MSGENCO Gas	594	600	589
MSGENCO Total Generation	5983	5930	5603
Central Sector Receipt	6257	5171	4224
WIND	336	678	757
CPP / IPP	2572	2409	2329
Exchange with Mumbai	-934	-933	-171
MSEDCL DEMAND MET	14214	13255	12742
Load Shedding	423	170	134
MSEDCL DEMAND	14637	13425	12876
TPCL GENERATION	1431	1424	1077
R-INFRA GENERATION	525	526	526
TPCL+R-INFRA DEMAND	2890	2883	1774
STATE DEMAND MET	17104	16138	14516
STATE DEMAND	17527	16308	14650
Frequency (Hz)	50.12	50.09	50.20

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 08.03 Hrs	49.7 Hz at 14.38 Hrs	50.1	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 15/Apr/2013

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	4.00	56.99	182	145	175
Unit 7	4.05	61.17	185	135	180
Total	8.06	118.17			355
Bhusawal					
Unit 2	4.03	58.68	175	150	150
Unit 3	3.98	58.92	180	155	150
Unit 4	7.40	120.57	365	165	350
Unit 5	3.84	45.10	225	100	
Total	19.25	283.28			650
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.21	47.45	138	70	140
Unit 2	3.78	55.13	165	130	160
Unit 3	4.81	58.56	207	179	200
Unit 4	4.59	65.02	194	180	200
Unit 5	10.71	105.28	460	430	450
Unit 6	10.47	139.36	450	410	450
Unit 7	9.71	138.51	425	323	425
Total	47.27	609.31			2025
Paras					
Unit 3	5.87	88.75	260	230	250
Unit 4	2.25	74.62	231	0	0
Total	8.12	163.37			250
Khaparkheda					
Unit 1	3.32	56.47	160	120	160
Unit 2	3.40	52.04	155	120	160
Unit 3	3.57	56.38	158	132	160
Unit 4	3.87	60.12	175	149	160
Unit 5	8.37	136.54	405	275	400
Total	22.53	361.55			1040
Nasik					
Unit 3	4.40	66.46	200	170	195
Unit 4	2.95	54.04	185	0	185
Unit 5	4.36	67.73	198	171	195
Total	11.71	188.23			575
Uran					
All Units	14.26	178.55	603	584	580
Total	14.26	178.55			580
PENCH (MS)					
Pench (MS)	0.06	4.00	23	0	
Total	0.06	4.00			
Koyna					
Stage 1-2	1.12	37.41	120	40	530
Stage 4	0.00	15.82	0	0	250
Stage 3	0.25	11.97	158	0	240
Kovna 12&4 Total	1.12	53.23			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.37	65.20			1020
Hydro					
KDPH	0.89	10.79	38	37	36
VTRNA	0.92	14.54	61	0	60
TILLARI	0.36	5.32	60	0	60
BHTGR/VEER	0.04	0.68	2	1	2
BHIRA T.R.	0.17	2.74	77	0	80
RNGR+BHTSA	0.30	4.70	13	12	13
BHANDARDRA	0.00	1.30	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.99	15.23	42	41	14
GHATGHAR	0.54	17.26	250	0	0
Total	4.22	72.56			265
Wind					
MalharPeth	0.66	7.44			
Vankuswadi	1.26	9.71			
ATIT	0.19	2.86			
Kale	0.35	3.54			
Satara	0.37	9.37			
Shirala	0.33	5.08			
K Mahankal	2.74	11.92			
Supa	0.24	2.11			
Vita	1.27	15.72			
Dondaicha	5.84	51.42			
Sakri	0.77	6.75			
Nandurbar	0.62	5.69			
Khandke	0.89	6.76			
Khaparale	0.54	5.43			
Total	16.06	143.81			
CPP					
JSW JAIGAD	23.68	364.37	1108	932	1006
WARDHA	7.88	109.50	331	325	328
Adani	14.61	164.16	620	600	617
Other CPPs	12.01	157.82			
Total	58.19	795.84			1951
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.73	161.44	502	393	500
Trombay 6	3.87	65.85	226	148	500
Trombay 7A	2.98	44.06	128	120	120
Trombay 7B	1.61	24.14	68	66	60
Trombay 8	6.02	89.97	253	250	250
TATA Hydro	4.03	55.64	360	0	447
Total	30.24	441.11			1877
REL					
1&2	12.60	188.50	527	522	500
Total	12.60	188.50			500
Cent Sect					
Share					5269
Total					5269

MS PG CL	Thermal	116.93	1723.90			4895
	Thml+Gas	131.19	1902.45			5475
	Hydro	5.59	137.77			1285
	Total	136.78	2040.22			6760
State Total		253.93	3463.92			16357

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Apr/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	4839	211	588	5638	519	2523	4899	4954	-547	-466	13168	100	13268	2078	15346	50.12
2	4824	136	592	5552	616	2430	4695	4566	-439	-268	12896	121	13017	1886	14903	50.09
3	4878	136	589	5603	757	2329	4597	4224	-377	-171	12742	134	12876	1774	14650	50.20
4	4843	146	591	5580	878	2322	4576	4286	-339	-155	12911	141	13052	1714	14766	50.22
5	4803	136	595	5534	876	2319	4579	4207	-319	-136	12800	183	12983	1681	14664	50.12
6	4765	131	598	5494	709	2331	4707	4650	-427	-227	12957	295	13252	1746	14998	50.03
7	4771	142	598	5511	653	2332	4924	4828	-454	-237	13087	536	13623	1835	15458	50.20
8	4815	168	596	5579	538	2442	5006	4915	-471	-350	13124	523	13647	1969	15616	50.25
9	4894	203	593	5690	513	2505	5290	5254	-592	-624	13338	492	13830	2265	16095	50.19
10	4860	314	595	5769	459	2527	5710	5944	-739	-811	13888	415	14303	2632	16935	50.06
11	4815	574	594	5983	336	2572	5965	6257	-849	-934	14214	423	14637	2890	17527	50.12
12	4846	362	596	5804	405	2494	6068	6243	-920	-939	14007	473	14480	2962	17442	50.01
13	4887	203	602	5692	382	2423	5986	5897	-909	-974	13420	545	13965	2935	16900	50.18
14	4960	198	603	5761	478	2422	5899	5634	-879	-943	13352	360	13712	2814	16526	50.15
15	4892	229	603	5724	508	2440	5779	5741	-872	-945	13468	236	13704	2881	16585	49.92
16	4946	443	602	5991	531	2413	5589	5759	-895	-938	13756	199	13955	2904	16859	50.05
17	5029	301	600	5930	678	2409	5219	5171	-884	-933	13255	170	13425	2883	16308	50.09
18	4969	195	598	5762	848	2417	4306	3985	-774	-832	12190	157	12347	2806	15153	50.16
19	5004	258	597	5859	1015	2425	4249	3522	-674	-854	11990	110	12100	2685	14785	50.17
20	4895	337	586	5818	1085	2428	4659	4567	-608	-803	13115	96	13211	2760	15971	50.07
21	4857	255	586	5698	993	2417	4679	4703	-601	-681	13140	90	13230	2664	15894	50.05
22	4895	195	586	5676	945	2417	4397	4412	-622	-629	12821	83	12904	2488	15392	50.03
23	4872	168	586	5626	689	2429	4853	4951	-655	-610	13085	83	13168	2353	15521	49.99
24	4773	145	584	5502	652	2424	4510	5112	-643	-566	13124	74	13198	2256	15454	49.99
MUs	116.93	5.59	14.26	136.78	16.06	58.19	121.14	119.78	-15.49	-15.03	315.85	6.04	321.89	57.86	379.75	50.10

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 15/Apr/2013

Position as on 6.30 Hrs of 16/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	
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	80	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.	
Chandrapur Unit 1	210	15/04/2013	23.42		Continued.	Boiler validity ext.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	No Schedule.	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Nasik Unit 4	210	13/04/2013	00.05	15/04/2013	05.00	Boiler Tube Leakage.	
Dabhol 1B	230	13/04/2013	01.22		Continued.	Gas Shortage.	
Paras Unit 4	250	13/04/2013	17.36	15/04/2013	12.49	Boiler Tube Leakage.	
Dabhol 1A	230	14/04/2013	01.22		Continued.	Gas Shortage.	
Dabhol 1X	290	14/04/2013	01.24		Continued.	Gas Shortage.	
Koyna Unit 2	75	15/04/2013	07.10		Continued.	Realignment work.	
Bhusawal Unit 5	500	16/04/2013	04.25		Continued.	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Apr/2013

Position as on 6.30 Hrs of 16/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.
Borivali -Tarapur	15/04/2013	06.24	15/04/2013	07.53	Y-PH CC leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule-S'Sarovar I	11/04/2013	02.09		Continued.	Over Voltage.
Kolhapur - Mapusa - II	14/04/2013	16.41	15/04/2013	09.10	Over Voltage.
Kolhapur - Mapusa - II	15/04/2013	17.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	15/04/2013	14.00	15/04/2013	15.40	Due to heavy storm long metallic paper removed.
Voltage Level : 220KV			Outage Type TRIPPED		
Mahalakshmi - Amona	15/04/2013	23.48	16/04/2013	00.48	Dist Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - Babhaleshwar - I	06/04/2013	11.26		Continued.	CB Overhauling Work(Taken on TBC).
Bay @ Koradi	13/04/2013	08.07		Continued.	Maintenance & Testing Work,Taken on TBC.
Padgha - Nagothane- II	15/04/2013	08.43	15/04/2013	20.51	Repl.of 3Nos of CVT.
New Koyna - Koyna Stage IV - II	15/04/2013	09.32	15/04/2013	19.19	Cold line washing.
New Koyna - Jaigad - II	15/04/2013	10.23	15/04/2013	17.36	Damage insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	06.12		Continued.	To Attend Hot Spot.
Aurangabad-Jalna-II	15/04/2013	06.39	15/04/2013	21.38	Tower erection at loc 2 reorientation.
Bus Coupler @ Khaparkheda	15/04/2013	07.39	15/04/2013	13.19	For tan delta measurement CB timing and CRM.
Kandalgaon - Topworth	15/04/2013	08.20		Continued.	Repl.of CB under JICA II at K'gaon
Pedambe - Oni	15/04/2013	09.14	15/04/2013	15.40	Outage on 220KV Bus Sec.II at Pedambe S/S.
Pedambe - Karad	15/04/2013	09.15	15/04/2013	17.45	Outage on 220KV Bus Sec.II at Pedambe S/S.
Pedambe-Tambati	15/04/2013	09.21		Continued.	Outage on 220KV Bus Sec.II at Pedambe S/S.
New Paras TPS-Alola-II	15/04/2013	09.22	15/04/2013	12.25	Maint work of bay equipment tan delta.DCRM values.
Pedambe - Pophali - II	15/04/2013	09.35	15/04/2013	18.25	Bus Sec.II outage.
220/33 KV 100 MVA T/F - IV @ Versova	15/04/2013	09.39	15/04/2013	13.33	Reconnection of cables 33KV SW no.9 at T/F end.
Bus Coupler at Pedambe	15/04/2013	09.46	15/04/2013	15.05	Outage on 220KV Bus Sec.II at Pedambe S/S.
Bus Section - II @ Pedambe	15/04/2013	09.46	15/04/2013	15.05	Maint.work
220/110KV 200MVA T/F 4 at Tilwani	15/04/2013	09.58	15/04/2013	15.30	Q.M.Work
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Apr/2013

Position as on 6.30 Hrs of 16/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Deepnagar-Khadka I	15/04/2013	10.56	15/04/2013	14.27	Line stringing work.
Bus Coupler at Ambazari	15/04/2013	11.00	15/04/2013	16.29	For tan delta measurement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boisar(MIDC)-Dahanu - I	15/04/2013	12.15	15/04/2013	12.53	Tan delta of B-Ph CT.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Pedambe - Arawali	15/04/2013	09.08	15/04/2013	16.35	Outage on 220KV Bus Sec.II at Pedambe S/S.
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
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.	Handtripped
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/04/2013	16.20	15/04/2013	10.17	Over Voltage.
Karad - Kolhapur - I	14/04/2013	17.51	15/04/2013	06.44	Over Voltage.
Bhusawal- Aurangabad	15/04/2013	17.02		Continued.	Over Voltage.
Karad - Kolhapur - II	15/04/2013	17.59		Continued.	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-Chikhili.
Khaparkheda-Kawlewada-II	15/04/2013	13.11	15/04/2013	15.14	E/W broken at loc no 267-268.
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-Tiroda-I	02/04/2013	14.05		Continued.	Over Voltage.
Padgha - Nagothane - I	16/04/2013	04.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Parly - Harangool - II	13/04/2013	17.34	15/04/2013	03.12	Dist prot operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Durugwada-Lalkhedi	15/04/2013	03.45	15/04/2013	04.20	25 MVA R Ph.C T Burst.
Durgwada - Akola MIDC	15/04/2013	03.45	15/04/2013	03.52	25 MVA R Ph.C T Burst.
Durgowada - Daryapur	15/04/2013	03.45		Continued.	25 MVA R Ph.C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	155
	620	320
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	200
Unit 5	500	
	1420	540
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	1885
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	160
Unit 4	210	170
Unit 5	500	300
	1340	945
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	580
	852	580
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	251
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	1006
WARDHA	405	328
Adani	1320	617
Other CPPs	0	
	2925	1951
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	5652
	3455	5652