



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jun/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jun/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.040	207.660	1) Gujrat	3.277	8.922
2) Hydro	6.963	21.098	2) Madhya Pradesh	16.052	33.251
3) Gas	7.349	14.604	3) Chattisgarh	10.940	21.510
Total MSGENCO	116.352	243.362	4) Maharashtra	67.328	132.364
B) 1) JSW JAIGAD	28.109	56.031	5) Goa	-6.072	-12.133
2) WPCL	7.695	15.383	6) TAPS 1&2 Injection	3.776	7.540
3) ADANI	14.410	27.650	7) RGPPL Injection	13.732	27.103
4) Other CPP / IPP	9.976	20.428	8) Pench (Excess)	-0.151	-0.446
5) Wind Generation	12.366	30.657	# Total Cent. Sector	108.882	218.111
6) PENCH (MS)	0.151	0.446	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.146	-31.860
1) TPCL Thermal	25.116	49.576	G) Bilateral Power *		
2) TPCL Hydro	1.833	6.697	1) MSEDCL Bilateral	35.718	67.734
TOTAL TPCL	26.949	56.273	Include PX	1.613	1.613
3) REL Thermal	12.272	24.153	2) MUMBAI Bilateral	14.861	32.949
D) STATE			Include PX	1.550	5.497
1) Thermal (A1+C1+C3)	139.428	281.389	3) MUMBAI Schedule	14.861	32.949
2) Hydro (A2+B5+C2)	8.947	28.241	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.349	14.604	1) MSEDCL	284.795	580.208
4) Wind (B4)	12.366	30.657	2) TPCL	33.478	72.123
5) CPP (B1+B2+B3)	60.190	106.252	3) REL	18.888	40.160
TOTAL STATE	228.280	461.143	TOTAL STATE	337.161	692.491

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4546	4293	4209
MSGENCO Hydro	406	389	112
MSGENCO Gas	303	305	315
MSGENCO Total Generation	5255	4987	4636
Central Sector Receipt	4813	4653	4451
WIND	475	454	769
CPP / IPP	2546	2496	2528
Exchange with Mumbai	-398	-569	-483
MSEDCL DEMAND MET	12691	12021	11901
Load Shedding	468	374	197
MSEDCL DEMAND	13159	12395	12098
TPCL GENERATION	1190	1159	1013
R-INFRA GENERATION	524	516	524
TPCL+R-INFRA DEMAND	2112	2244	2020
STATE DEMAND MET	14803	14265	13921
STATE DEMAND	15271	14639	14118
Frequency (Hz)	49.96	50.18	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.54 Hz at 17:01 Hrs	49.61 Hz at 22:07 Hrs	50.05	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 02/Jun/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.89	5.59	144	94	100
Unit 6	2.65	5.33	122	100	105
Unit 7	2.34	4.96	135	60	120
Total	7.89	15.89			325
Bhusawal					
Unit 2	3.41	6.76	150	135	140
Unit 3	0.00	2.46	0	0	0
Unit 4	8.36	12.08	455	275	301
Unit 5	0.00	9.31	0	0	0
Total	11.78	30.61			441
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	3.60	7.41	162	133	165
Unit 2	3.67	7.50	170	138	165
Unit 3	4.53	9.26	203	164	200
Unit 4	3.90	8.16	178	135	190
Unit 5	9.98	19.14	450	365	425
Unit 6	10.11	19.59	440	380	440
Unit 7	9.40	18.42	418	346	430
Total	45.19	89.47			2015
Paras					
Unit 3	5.12	10.55	222	190	230
Unit 4	5.15	10.66	232	199	230
Total	10.27	21.21			460
Khaparkheda					
Unit 1	2.93	5.65	155	65	140
Unit 2	3.64	6.64	190	100	140
Unit 3	3.98	7.38	195	141	140
Unit 4	0.00	1.62	0	0	0
Unit 5	7.70	12.03	345	279	350
Total	18.26	33.32			770
Nasik					
Unit 3	4.22	8.58	190	165	195
Unit 4	4.08	8.22	179	160	180
Unit 5	0.37	0.37	145	0	0
Total	8.66	17.17			375
Uran					
All Units	7.35	14.60	315	289	290
Total	7.35	14.60			290
PENCH (MS)					
Pench (MS)	0.15	0.45	26	0	0
Total	0.15	0.45			0
Koyna					
Stage 1-2	1.64	5.36	170	40	520
Stage 4	0.85	5.30	267	0	250
Stage 3	0.68	2.36	80	0	240
Kovna 12&4 Total	2.49	10.65			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.16	13.02			1010
Hydro					
KDPH	0.36	0.73	16	15	16
VTRNA	0.66	1.22	61	0	70
TILLARI	0.36	0.65	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.25	0.55	80	0	80
RNGR+BHTSA	0.25	0.50	11	10	10
BHANDARDRA	0.20	0.36	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.33	0.73	14	13	0
GHATGHAR	1.39	3.34	250	0	0
Total	3.80	8.08			236
Wind					
MalharPeth	0.19	0.82			
Vankuswadi	0.55	1.56			
ATIT	0.07	0.21			
Kale	0.24	0.64			
Satara	2.59	5.70			
Shirala	0.24	0.59			
K Mahankal	0.05	0.10			
Supa	0.09	0.20			
Vita	1.37	2.81			
Dondaicha	5.19	13.07			
Sakri	0.68	1.76			
Nandurbar	0.50	1.36			
Khandke	0.23	0.60			
Khaparale	0.38	1.24			
Total	12.37	30.66			
CPP					
JSW JAIGAD	28.11	56.03	1218	1023	1095
WARDHA	7.70	15.38	322	319	320
Adani	14.41	27.65	620	490	620
Other CPPs	9.98	20.43			200
Total	60.19	119.49			2235
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.10	21.39	503	387	500
Trombay 6	3.68	7.28	188	148	500
Trombay 7A	2.75	5.66	124	91	120
Trombay 7B	1.56	3.17	68	58	60
Trombay 8	6.04	12.07	253	249	250
TATA Hydro	1.83	6.70	177	0	447
Total	26.95	56.27			1877
REL					
1&2	12.27	24.15	525	394	500
Total	12.27	24.15			500
Cent Sect					
Share					4714
Total					4714

MS PG CL	Thermal	102.04	207.66			4386
	Thml+Gas	109.39	222.26			4676
	Hydro	6.96	21.10			1246
	Total	116.35	243.36			5922
State Total		228.28	461.14			15248

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Jun/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	4099	414	312	4825	606	2528	4714	4816	-847	-755	12046	74	12120	2481	14601	49.94
2	4086	270	312	4668	664	2519	4635	4824	-768	-720	11978	182	12160	2318	14478	50.04
3	4144	174	312	4630	786	2508	4551	4603	-685	-662	11878	182	12060	2195	14255	50.05
4	4195	174	312	4681	815	2533	4449	4415	-626	-555	11889	179	12068	2087	14155	50.05
5	4209	112	315	4636	769	2528	4359	4451	-576	-483	11901	197	12098	2020	14118	50.04
6	4240	87	315	4642	756	2512	4314	4653	-543	-464	12099	318	12417	2024	14441	50.03
7	4251	92	314	4657	467	2542	4311	4517	-544	-354	11829	668	12497	1923	14420	50.23
8	4277	87	312	4676	336	2549	4337	4619	-545	-274	11906	670	12576	1883	14459	50.11
9	4432	127	310	4869	431	2610	4367	4630	-551	-309	12231	640	12871	1924	14795	50.00
10	4513	291	304	5108	404	2597	4665	4725	-560	-395	12439	493	12932	2013	14945	50.11
11	4546	406	303	5255	475	2546	4600	4813	-566	-398	12691	468	13159	2112	15271	49.96
12	4495	500	305	5300	219	2590	4602	4831	-576	-416	12524	565	13089	2157	15246	49.98
13	4441	463	305	5209	249	2596	4476	4776	-578	-447	12383	683	13066	2198	15264	50.00
14	4427	579	305	5311	170	2594	4341	4723	-577	-472	12326	590	12916	2207	15123	50.02
15	4384	868	305	5557	220	2613	4485	4643	-576	-497	12536	472	13008	2249	15257	49.98
16	4351	818	305	5474	315	2568	4628	4789	-572	-520	12626	393	13019	2274	15293	50.09
17	4293	389	305	4987	454	2496	4474	4653	-567	-569	12021	374	12395	2244	14639	50.18
18	4221	152	305	4678	620	2408	4148	4072	-559	-682	11096	530	11626	2173	13799	50.27
19	4006	157	305	4468	644	2236	3991	3746	-552	-721	10373	199	10572	2095	12667	50.13
20	4093	336	305	4734	551	2357	4212	4321	-557	-738	11251	127	11378	2268	13646	50.03
21	4056	194	305	4555	541	2497	4539	4130	-625	-574	11161	51	11212	2311	13523	50.05
22	4073	91	289	4453	591	2411	4552	4347	-681	-706	11107	13	11120	2364	13484	50.07
23	4111	86	291	4488	579	2414	4495	4364	-769	-711	11160	10	11170	2403	13573	49.92
24	4097	96	298	4491	704	2438	4450	4421	-859	-724	11344	6	11350	2444	13794	50.01
MUs	102.04	6.96	7.35	116.35	12.37	60.19	106.70	108.88	-14.86	-13.15	284.80	8.08	292.88	52.37	345.25	50.05

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 02/Jun/2013

Position as on 6.30 Hrs of 03/Jun/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.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
Cent_Sect NTPC (V-1)	210	17/05/2013	00.15		Continued.	Annual Overhaul	05/06/2013
Khaparkheda Unit 4	210	01/06/2013	12.31		Continued.	Annual Overhaul	26/06/2013
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	23/05/2013	12.58		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	12/06/2013
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1X	290	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
CPP Adani U-3	660	30/05/2013	17.36		Continued.	Tripped	
Uran Unit 6	108	30/05/2013	22.26		Continued.	Gas Shortage	
Nasik Unit 5	210	31/05/2013	20.00	02/06/2013	20.15	Economiser Tube Leakage	
CPP INDIABULLS	270	31/05/2013	20.53		Continued.	Tripped during Bus Transfer	
Bhusawal Unit 3	210	01/06/2013	21.13		Continued.	ID Fan Problem	
Bhusawal Unit 5	500	01/06/2013	23.05		Continued.	Drum Level Prot.Operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jun/2013

Position as on 6.30 Hrs of 03/Jun/2013

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-Solapur (PG) II	31/05/2013	17.52		Continued.	Over Voltage
Kolhapur - Mapusa - I	01/06/2013	17.09	02/06/2013	08.34	Over Voltage
Dhule - S'Sarovar- II	01/06/2013	23.30	02/06/2013	18.53	Over Voltage
Kolhapur-Mapusa-II	02/06/2013	16.07		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - II	02/06/2013	17.16		Continued.	Over Voltage
Parli (PGCIL)-Bhadravati-II	02/06/2013	19.24		Continued.	Over Voltage
765 KV Wardha - Seoni - I	02/06/2013	20.11		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	02/06/2013	17.59		Continued.	Over Voltage
Dhule-S'Sarovar I	02/06/2013	18.01		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500 MVA ICT-III at Kolhapur	01/06/2013	12.17		Continued.	Insulator Coating to IPS Tube
Kalwa - Padgha - I	02/06/2013	08.24	02/06/2013	16.01	Replacement of B Phase Broken Insulator
400/220KV 500 MVA ICT I at Kalwa	02/06/2013	08.55	02/06/2013	13.11	For applying silicon coating on post Insulator of Tertiary circuit
400/220KV,500MVA ICT-III At Kalwa.	02/06/2013	14.00	02/06/2013	17.11	Applying silicon coating on Post Insulator Tertiary circuit
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.Outage for 10days.
Kalwa - Salshet - IV	02/06/2013	07.45	02/06/2013	18.45	Bypassing of Metering CT and PT(Taken on TBC)
Versova-Boiser	02/06/2013	10.46	02/06/2013	13.08	Replacement of R phase Arcing Horn
Miraj - Kadegaon	02/06/2013	16.11	02/06/2013	16.50	Maintenance work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	30/05/2013	01.27		Continued.	To attend buchholz relay problem.
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.	Hand Tripped.
Bhusawal- Aurangabad	01/06/2013	09.03		Continued.	Over Voltage
Karad - Kolhapur - II	01/06/2013	18.42	02/06/2013	09.11	Over Voltage
Khadka - Deepnagar - II	02/06/2013	10.49		Continued.	Over Voltage
Karad - Kolhapur - I	02/06/2013	16.38		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jun/2013

Position as on 6.30 Hrs of 03/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	30/05/2013	17.36		Continued.	Distance Protection
Karad - Kolhapur - II	02/06/2013	17.59		Continued.	Over Voltage
Karad-Jaigad I	02/06/2013	17.59		Continued.	Distance protection
Bableshwar-Aurangabad	03/06/2013	03.52		Continued.	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)
Karad Mudsingi-II	02/06/2013	15.24	02/06/2013	15.44	Distance protection
Ghatghar-Bapgaon	02/06/2013	18.00	02/06/2013	19.26	Distance protection
Ghatghar-Nasik	02/06/2013	18.00	02/06/2013	18.10	CB Lockout
Ghatghar-Jindal	02/06/2013	18.00	02/06/2013	18.20	CB Lockout
Girwali - Parbhani	02/06/2013	19.25		Continued.	Distance protection
BBLSR-Waluj	02/06/2013	22.10		Continued.	Distance protection
Babhaleshwar-Nasik-II	03/06/2013	00.04		Continued.	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kej - Kallam	02/06/2013	19.30	02/06/2013	19.50	Distance protection
Nasik - Ambad	03/06/2013	03.19		Continued.	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	70
Unit 6	210	60
Unit 7	210	95
	620	225
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	290
Unit 5	500	
	1420	430
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	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	160
Unit 5	500	425
Unit 6	500	440
Unit 7	500	400
	2340	1955
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	140
Unit 4	210	0
Unit 5	500	325
	1340	745
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	290
	852	290
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	16
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	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	236
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	1097
WARDHA	405	365
Adani	1320	617
Other CPPs	300	184
	3225	2263
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	445
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1822
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4823
	3455	4823