



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jun/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.572	2028.721	1) Gujrat	3.497	122.169
2) Hydro	4.822	269.030	2) Madhya Pradesh	13.872	336.730
3) Gas	14.768	247.899	3) Chattisgarh	11.000	189.460
Total MSGENCO	116.162	2545.650	4) Maharashtra	42.548	929.351
B) OTHERS			5) Goa	-5.554	-117.027
1) JSW JAIGAD	28.082	540.394	6) TAPS 1&2 Injection	7.535	144.468
2) WPCL	7.858	187.674	7) RGPPL Injection	20.579	395.404
3) Other CPP / IPP	5.340	139.734	8) Pench (Excess)	0.000	-2.619
4) Wind Generation	36.321	367.213	# Total Cent. Sector	93.477	1997.936
5) PENCH (MS)	0.000	2.619	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.686	-246.731
1) TPCL Thermal	25.811	526.900	G) Bilateral Power *		
2) TPCL Hydro	5.888	101.226	1) MSEDCL Bilateral	25.089	557.798
TOTAL TPCL	31.699	628.126	Include PX	0.000	5.215
3) REL Thermal	12.532	238.432	2) MUMBAI Bilateral	14.511	293.212
D) STATE			Include PX	1.037	24.680
1) Thermal (A1+C1+C3)	134.915	2794.053	3) MUMBAI Schedule	14.511	293.212
2) Hydro (A2+B5+C2)	10.710	372.875	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.768	247.899	1) MSEDCL	270.554	5534.489
4) Wind (B4)	36.321	367.213	2) TPCL	40.727	737.455
5) CPP (B1+B2+B3)	41.280	867.802	3) REL	20.190	375.821
TOTAL STATE	237.994	4649.842	TOTAL STATE	331.471	6647.765

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4238	3977	3921
MSGENCO Hydro	200	431	54
MSGENCO Gas	624	568	630
MSGENCO Total Generation	5062	4976	4605
Central Sector Receipt	4336	4066	3286
WIND	1493	1586	1508
CPP / IPP	1716	1760	1688
Exchange with Mumbai	-839	-621	-476
MSEDCL DEMAND MET	11768	11767	10611
Load Shedding	147	309	0
MSEDCL DEMAND	11915	12076	10611
TPCL GENERATION	1578	1621	837
R-INFRA GENERATION	523	521	518
TPCL+R-INFRA DEMAND	2940	2763	1831
STATE DEMAND MET	14708	14530	12442
STATE DEMAND	14855	14839	12442
Frequency (Hz)	49.92	49.69	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 06.01 Hrs	49.04 Hz at 23.06 Hrs	49.85	.89 % 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 19/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.82	51.82	132	102	105
Unit 6	3.11	58.90	152	85	140
Unit 7	0.04	55.54	19	0	0
Total	5.97	166.26			245
Bhusawal					
Unit 2	3.81	67.22	165	155	160
Unit 3	4.12	77.08	180	165	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.92	162.83			340
Parli					
Unit 3	3.91	75.27	186	138	180
Unit 4	0.00	2.58	0	0	0
Unit 5	3.24	70.51	155	117	140
Unit 6	4.06	84.19	184	147	170
Unit 7	3.42	49.96	176	97	120
Total	14.62	282.52			610
Chandrapur					
Unit 1	3.56	70.67	154	140	145
Unit 2	3.43	53.79	154	133	140
Unit 3	4.14	76.28	184	158	175
Unit 4	4.42	85.11	199	161	190
Unit 5	8.66	143.88	430	265	340
Unit 6	8.35	179.80	390	310	350
Unit 7	8.32	156.35	400	310	350
Total	40.89	765.87			1690
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	1.86	64.19	175	0	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.75	90.76	210	169	210
Unit 4	5.03	92.92	220	191	210
Unit 5	3.76	91.06	273	0	0
Total	15.40	339.65			630
Nasik					
Unit 3	4.80	84.28	220	170	155
Unit 4	2.62	84.80	210	0	155
Unit 5	4.35	73.46	195	170	155
Total	11.77	242.54			465
Uran					
All Units	14.77	247.90	635	563	620
Total	14.77	247.90			620
PENCH (MS)					
Pench (MS)	0.00	2.62	0	0	
Total	0.00	2.62			
Koyna					
Stage 1-2	1.41	83.20	175	40	600
Stage 4	0.00	97.14	0	0	250
Stage 3	0.57	41.29	160	0	320
Kovna 12&4 Total	1.41	180.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.98	221.63			1170
Hydro					
KDPH	0.00	6.16	0	0	28
VTRNA	1.04	12.21	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.32	5.88	80	0	80
RNGR+BHTSA	0.16	4.01	9	0	0
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.20	4.58	16	6	13
GHATGHAR	1.12	12.28	250	0	0
Total	2.84	47.40			181
Wind					
MalharPeth	1.95	13.70			
Vankuswadi	2.60	21.67			
ATIT	1.44	5.27			
Kale	1.16	7.91			
Satara	2.63	37.59			
Shirala	1.42	9.45			
K Mahankal	1.78	22.44			
Supa	0.68	5.22			
Vita	4.72	46.72			
Dondaicha	11.80	135.94			
Sakri	1.57	18.01			
Nandurbar	1.22	13.71			
Khandke	2.05	15.57			
Khaparale	1.30	14.01			
Total	36.32	367.21			
CPP					
JSW JAIGAD	28.08	540.39	1213	1121	1100
WARDHA	7.86	187.67	332	317	323
Other CPPs	5.34	139.73			
Total	41.28	867.80			1423
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.92	207.49	507	288	500
Trombay 6	4.58	121.75	366	154	500
Trombay 7A	2.92	54.46	124	120	120
Trombay 7B	1.61	30.21	68	66	60
Trombay 8	5.78	112.99	248	200	250
TATA Hydro	5.89	101.23	471	0	447
Total	31.70	628.13			1877
REL					
1&2	12.53	238.43	526	518	500
Total	12.53	238.43			500
Cent Sect					
Share					4516
Total					4516

MS PG CL	Thermal	96.57	2028.72			3980
	Thml+Gas	111.34	2276.62			4600
	Hydro	4.82	269.03			1351
	Total	116.16	2545.65			5951
State Total		237.99	4649.84			14267

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Jun/2012

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	4019	223	630	4872	1508	1763	4375	3767	-581	-598	11312	0	11312	2247	13559	49.80
2	3931	134	630	4695	1514	1738	4299	3674	-485	-509	11112	0	11112	2051	13163	49.92
3	3915	139	630	4684	1542	1680	4346	3683	-482	-513	11076	0	11076	1938	13014	49.99
4	3912	74	630	4616	1559	1686	4359	3489	-484	-504	10846	0	10846	1858	12704	50.05
5	3921	54	630	4605	1508	1688	4359	3286	-482	-476	10611	0	10611	1831	12442	50.10
6	3895	59	635	4589	1544	1685	4354	3946	-484	-469	11295	10	11305	1873	13178	50.00
7	3845	65	632	4542	1507	1675	4310	4098	-481	-487	11335	42	11377	1952	13329	50.15
8	4019	108	631	4758	1536	1660	4322	4102	-483	-448	11608	42	11650	2062	13712	50.10
9	4166	116	631	4913	1597	1656	4306	3888	-481	-579	11475	42	11517	2343	13860	50.02
10	4325	171	632	5128	1481	1691	4356	4254	-559	-740	11814	2	11816	2723	14539	49.89
11	4238	200	624	5062	1493	1716	4442	4336	-683	-839	11768	147	11915	2940	14855	49.92
12	4088	148	628	4864	1461	1746	4602	4144	-787	-785	11430	146	11576	3011	14587	49.81
13	4178	112	630	4920	1469	1760	4804	3682	-771	-737	11094	15	11109	3000	14109	49.93
14	4231	107	617	4955	1445	1746	4834	3490	-748	-819	10817	30	10847	2963	13810	49.84
15	4006	117	619	4742	1506	1743	4777	4030	-699	-916	11105	29	11134	2999	14133	49.74
16	4057	107	618	4782	1427	1756	4771	4200	-696	-925	11240	23	11263	3001	14264	49.68
17	4032	107	621	4760	1544	1723	4873	4159	-708	-1001	11185	1	11186	2999	14185	49.67
18	4028	103	626	4757	1475	1698	4408	3825	-640	-953	10802	29	10831	2945	13776	49.75
19	4023	131	625	4779	1595	1698	4155	3572	-589	-888	10756	29	10785	2811	13596	49.81
20	4001	378	587	4966	1523	1739	4196	4117	-608	-723	11622	53	11675	2833	14508	49.67
21	3977	431	568	4976	1586	1760	4169	4066	-607	-621	11767	309	12076	2763	14839	49.69
22	3996	451	563	5010	1535	1762	4205	3955	-635	-670	11592	266	11858	2646	14504	49.68
23	3895	637	565	5097	1428	1750	4176	4028	-675	-746	11557	89	11646	2594	14240	49.57
24	3874	650	566	5090	1538	1761	4102	3686	-664	-740	11335	69	11404	2534	13938	49.64
MUs	96.57	4.82	14.77	116.16	36.32	41.28	105.90	93.48	-14.51	-16.69	270.55	1.37	271.93	60.92	332.84	49.85

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 19/Jun/2012

Position as on 6.30 Hrs of 20/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	20/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	20/06/2012
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 2B	230	08/06/2012	11.21		Continued.	W/Dn.	
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 2	75	16/06/2012	10.15		Continued.	Installation of Numerical relay.	21/06/2012
Dabhol 1A	230	16/06/2012	11.45		Continued.	Withdrawn.	
Cent_Sect NTPC(V-10)	500	16/06/2012	22:45		Continued.	Boiler Tube Leakage.	
Koradi Unit 7	210	17/06/2012	16.57	19/06/2012	21.42	Main Steam Temp.Low.	
Khaparkheda Unit 5	500	17/06/2012	20.16	19/06/2012	07.14	No Bunker Level.	
CPP WPCL U-1	135	18/06/2012	01.00		Continued.	Convertor chain damaged.	
Khaparkheda Unit 1	210	19/06/2012	11.08		Continued.	Reheater tube leakage.	
Nasik Unit 4	210	19/06/2012	14.20		Continued.	P.A. fan bearing problem.	
Cent_Sect Sipat U-2	660	19/06/2012	16.16	19/06/2012	23.10	Aux.Supply Failed	
Cent_Sect sipat-5	500	19/06/2012	16.23	19/06/2012	23.45	Aux.Supply Failed	
Cent_Sect Sipat-4	500	19/06/2012	16.43	19/06/2012	22.44	Aux.Supply Failed	
Cent_Sect Sipat U-1	660	19/06/2012	16.51		Continued.	Aux.Supply Failed	
Koradi Unit 7	210	19/06/2012	23.11		Continued.	Flashover at Field Winding CB	
CPP WPCL U-3	135	20/06/2012	05.08		Continued.	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jun/2012

Position as on 6.30 Hrs of 20/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	14/06/2012	09.23		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	15/06/2012	21.05		Continued.	To Control Wardha-Deoli line loading.
Kolhapur - Mapusa - II	16/06/2012	17:52		Continued.	Over Voltage.
Wardha - Akola - I	19/06/2012	17.24		Continued.	To control Line Loading
Voltage Level : 400KV			Outage Type TRIPPED		
765 KV Wardha - Seoni -I	19/06/2012	16.53	19/06/2012	23.58	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
400/220 KV 315 MVA ICT-I @ Dhule	18/06/2012	10.40		Continued.	Cable Termination of CP and RP from new yard
Akola - Bhusawal	19/06/2012	02.08	19/06/2012	09.58	Main Breaker in lock out(taken on TBC)
Lonikand-Karad	19/06/2012	08.29	19/06/2012	17.16	Insulator replacement
400/220 KV 315 MVA ICT-II @ Kharghar	19/06/2012	09.22	19/06/2012	17.34	R.M.Work
400/220 KV 500 MVA ICT - II at Khaparkheda	19/06/2012	10.18	19/06/2012	16.52	Cutting of extra length IPS Tube
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/100KV 200MVA ICT-III at Kalwa	14/06/2012	12.21	19/06/2012	16.41	For attending oil leakage(Kept on Humming)
Kalmeshwar-Kaparkheda	19/06/2012	05.55	19/06/2012	10.46	For attending B/D K'Kheda-Kanhan Ckt.
Mumewadi-Mudshingi	19/06/2012	12.05	19/06/2012	18.16	Extension of P.T.supply
Nivali-Pawas	19/06/2012	12.20	19/06/2012	13.43	Relay work
Vita - Lamboti	19/06/2012	16.26	19/06/2012	18.02	Upgradation of Isolator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj II	12/06/2012	16.00		Continued.	Over Voltage
Bhusawal- Aurangabad	15/06/2012	16.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	18/06/2012	10.35		Continued.	To control Dhule ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	17/06/2012	16.43	19/06/2012	09.47	Over Voltage.
Bus Coupler @ Bhusawal	19/06/2012	09.26	19/06/2012	10.21	Akola Ckt Main BKR in Lockout due to Air Leakage
Parli-Lonikand -I	19/06/2012	16.45	20/06/2012	05.43	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Kaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV,200 MVA ICT-	18/06/2012	15.05	19/06/2012	07.38	LV side R Phase CT Burst

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jun/2012

Position as on 6.30 Hrs of 20/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II at Chikhli					
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Khaparkheda - Kanhan - II	18/06/2012	19.17	19/06/2012	10.33	Tripped
Butibori-INOX	19/06/2012	03.50	19/06/2012	05.34	LBB Operated of Indorama Ckt.
Main Bus- I @ Butibori	19/06/2012	03.50	19/06/2012	05.30	LBB Operated of Indorama Ckt.
Bus Coupler at Butibori	19/06/2012	03.50	19/06/2012	05.30	LBB Operated of Indorama Ckt.
Butibori - Koradi	19/06/2012	03.50	19/06/2012	06.42	LBB Operated of Indorama Ckt.
Bhandara - Sunflag - II	19/06/2012	05.20	19/06/2012	07.28	Over Current relay Mal operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	145
Unit 7	210	0
	620	265
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	155
Unit 4	210	0
Unit 5	210	155
Unit 6	250	150
Unit 7	250	135
	1130	595
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	180
Unit 4	210	190
Unit 5	500	400
Unit 6	500	280
Unit 7	500	415
	2340	1775
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	670
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	190
	630	400
Uran		
All Units	852	570
	852	570
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	28
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	189
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	600	1100
WARDHA	405	323
Other CPPs	0	
	1005	1423
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	4674
	3455	4674