



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jun/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.968	2122.689	1) Gujrat	6.366	128.535
2) Hydro	4.541	273.571	2) Madhya Pradesh	10.801	347.531
3) Gas	11.905	259.804	3) Chattisgarh	11.460	200.920
Total MSGENCO	110.414	2656.064	4) Maharashtra	46.622	975.973
B) OTHERS			5) Goa	-6.268	-123.295
1) JSW JAIGAD	28.902	569.296	6) TAPS 1&2 Injection	7.576	152.044
2) WPCL	7.116	194.790	7) RGPPL Injection	23.496	418.900
3) Other CPP / IPP	5.086	144.820	8) Pench (Excess)	0.000	-2.619
4) Wind Generation	35.421	402.634	# Total Cent. Sector	100.053	2097.989
5) PENCH (MS)	0.000	2.619	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.015	-260.746
1) TPCL Thermal	28.734	555.634	G) Bilateral Power *		
2) TPCL Hydro	5.722	106.948	1) MSEDCL Bilateral	24.718	582.516
TOTAL TPCL	34.456	662.582	Include PX	-0.188	5.026
3) REL Thermal	12.570	251.002	2) MUMBAI Bilateral	15.749	308.961
D) STATE			Include PX	3.463	28.143
1) Thermal (A1+C1+C3)	135.272	2929.325	3) MUMBAI Schedule	15.749	308.961
2) Hydro (A2+B5+C2)	10.263	383.138	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.905	259.804	1) MSEDCL	272.977	5807.466
4) Wind (B4)	35.421	402.634	2) TPCL	40.863	778.318
5) CPP (B1+B2+B3)	41.104	908.906	3) REL	20.175	395.996
TOTAL STATE	233.965	4883.807	TOTAL STATE	334.015	6981.780

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3944	3879	3864
MSGENCO Hydro	187	416	54
MSGENCO Gas	588	407	566
MSGENCO Total Generation	4719	4702	4484
Central Sector Receipt	4475	4685	3566
WIND	1475	1417	1394
CPP / IPP	1680	1748	1751
Exchange with Mumbai	-596	-532	-485
MSEDCL DEMAND MET	11753	12020	10710
Load Shedding	413	419	176
MSEDCL DEMAND	12166	12439	10886
TPCL GENERATION	1834	1653	882
R-INFRA GENERATION	523	521	523
TPCL+R-INFRA DEMAND	2953	2706	1890
STATE DEMAND MET	14706	14726	12600
STATE DEMAND	15119	15145	12776
Frequency (Hz)	49.78	49.74	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 18.01 Hrs	49.06 Hz at 22.07 Hrs	49.77	.39 % 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/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.57	54.39	131	86	120
Unit 6	3.65	62.56	163	138	145
Unit 7	0.00	55.54	0	0	0
Total	6.22	172.48			265
Bhusawal					
Unit 2	3.77	70.98	165	150	160
Unit 3	4.12	81.20	180	160	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.88	170.72			340
Parli					
Unit 3	3.66	78.93	178	137	155
Unit 4	0.00	2.58	0	0	0
Unit 5	3.12	73.63	152	117	155
Unit 6	3.87	88.06	200	142	150
Unit 7	3.63	53.59	197	100	135
Total	14.27	296.79			595
Chandrapur					
Unit 1	3.68	74.35	155	148	160
Unit 2	3.45	57.24	150	123	150
Unit 3	4.28	80.56	184	170	180
Unit 4	3.61	88.72	200	0	190
Unit 5	9.02	152.91	440	305	400
Unit 6	8.18	187.98	415	265	280
Unit 7	9.07	165.42	429	298	415
Total	41.30	807.18			1775
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	0.00	64.19	0	0	0
Unit 2	0.00	0.72	0	0	0
Unit 3	4.18	94.94	189	160	210
Unit 4	4.66	97.58	211	179	210
Unit 5	6.17	97.23	292	224	250
Total	15.01	354.67			670
Nasik					
Unit 3	4.87	89.16	220	175	210
Unit 4	0.00	84.80	0	0	0
Unit 5	4.40	77.86	192	170	190
Total	9.27	251.81			400
Uran					
All Units	11.90	259.80	589	330	570
Total	11.90	259.80			570
PENCH (MS)					
Pench (MS)	0.00	2.62	0	0	
Total	0.00	2.62			
Koyna					
Stage 1-2	1.40	84.60	175	40	600
Stage 4	0.00	97.14	0	0	250
Stage 3	0.46	41.76	182	0	320
Kovna 12&4 Total	1.40	181.74			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.87	223.50			1170
Hydro					
KDPH	0.11	6.26	16	0	28
VTRNA	1.04	13.25	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.35	6.22	80	0	80
RNGR+BHTSA	0.22	4.24	10	9	13
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.20	4.78	16	5	8
GHATGHAR	0.76	13.03	250	0	0
Total	2.67	50.07			189
Wind					
MalharPeth	2.13	15.83			
Vankuswadi	2.40	24.08			
ATIT	1.34	6.61			
Kale	1.08	8.99			
Satara	2.64	40.23			
Shirala	1.39	10.84			
K Mahankal	1.63	24.07			
Supa	0.58	5.80			
Vita	4.33	51.05			
Dondaicha	11.68	147.62			
Sakri	1.58	19.59			
Nandurbar	1.13	14.84			
Khandke	2.13	17.70			
Khaparale	1.38	15.40			
Total	35.42	402.63			
CPP					
JSW JAIGAD	28.90	569.30	1211	1130	1100
WARDHA	7.12	194.79	325	209	323
Other CPPs	5.09	144.82			
Total	41.10	908.91			1423
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.23	218.72	506	286	500
Trombay 6	7.16	128.91	487	156	500
Trombay 7A	2.84	57.30	124	105	120
Trombay 7B	1.58	31.78	68	62	60
Trombay 8	5.93	118.93	249	245	250
TATA Hydro	5.72	106.95	448	0	447
Total	34.46	662.58			1877
REL					
1&2	12.57	251.00	526	520	500
Total	12.57	251.00			500
Cent Sect					
Share					4674
Total					4674

MS PG CL	Thermal	93.97	2122.69			4045
	Thml+Gas	105.87	2382.49			4615
	Hydro	4.54	273.57			1359
	Total	110.41	2656.06			5974
State Total		233.96	4883.81			14448

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	3957	266	565	4788	1541	1743	4326	3773	-707	-604	11241	125	11366	2294	13660	49.64
2	3957	56	565	4578	1439	1742	4320	3615	-587	-428	10946	172	11118	2093	13211	49.63
3	3916	64	565	4545	1432	1749	4350	3580	-525	-485	10821	169	10990	1988	12978	49.84
4	3864	54	566	4484	1394	1751	4370	3566	-488	-485	10710	176	10886	1890	12776	49.86
5	3887	60	576	4523	1378	1743	4412	3696	-484	-453	10887	182	11069	1860	12929	49.85
6	3868	60	586	4514	1405	1638	4472	4392	-412	-455	11494	242	11736	1889	13625	49.76
7	3948	60	586	4594	1465	1630	4532	4140	-384	-439	11390	584	11974	1986	13960	49.98
8	4003	78	585	4666	1484	1644	4538	3987	-399	-393	11388	585	11973	2051	14024	49.91
9	4044	121	589	4754	1607	1649	4555	3835	-416	-383	11462	585	12047	2330	14377	49.89
10	4040	131	588	4759	1541	1654	4724	4234	-562	-542	11646	438	12084	2742	14826	49.77
11	3944	187	588	4719	1475	1680	4813	4475	-690	-596	11753	413	12166	2953	15119	49.78
12	3935	216	538	4689	1549	1710	4905	4211	-832	-649	11510	575	12085	3002	15087	49.73
13	3884	179	546	4609	1459	1724	4978	4173	-846	-651	11314	647	11961	3000	14961	49.68
14	3903	116	440	4459	1723	1730	4839	3925	-838	-691	11146	583	11729	2959	14688	49.67
15	3910	126	438	4474	1584	1721	4804	4302	-825	-669	11412	468	11880	3001	14881	49.63
16	3948	117	435	4500	1540	1742	4847	4284	-833	-662	11404	365	11769	3000	14769	49.66
17	3897	122	330	4349	1598	1745	4707	4318	-845	-708	11302	343	11645	2994	14639	49.74
18	3861	137	391	4389	1547	1742	4817	4156	-721	-737	11097	243	11340	2935	14275	50.04
19	3826	143	364	4333	1535	1745	4881	4122	-667	-850	10885	112	10997	2855	13852	49.97
20	3770	309	429	4508	1369	1747	4893	4876	-674	-727	11773	205	11978	2854	14832	49.79
21	3879	416	407	4702	1417	1748	4924	4685	-697	-532	12020	419	12439	2706	15145	49.74
22	3891	354	418	4663	1339	1660	4976	4617	-741	-565	11714	405	12119	2597	14716	49.72
23	3868	469	405	4742	1289	1719	4721	4728	-791	-643	11835	196	12031	2552	14583	49.59
24	3968	700	405	5073	1311	1748	4416	4363	-785	-668	11827	149	11976	2510	14486	49.71
MUs	93.97	4.54	11.90	110.41	35.42	41.10	112.12	100.05	-15.75	-14.02	272.98	8.38	281.36	61.04	342.40	49.77

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/Jun/2012

Position as on 6.30 Hrs of 21/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.	
CPP WPCL U-1	135	18/06/2012	01.00		Continued.	Convertor chain damaged.	21/06/2012
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-1	660	19/06/2012	16.51	20/06/2012	02.14	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	20/06/2012	06.41	Flame Failure	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Srevomotor Oil Leakage.	
Uran Unit 7	108	20/06/2012	12.30		Continued.	Gas Shortage.	
Uran Unit B0	120	20/06/2012	22.00		Continued.	High Vibration.	
Dabhol 2A	230	20/06/2012	22.25		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jun/2012

Position as on 6.30 Hrs of 21/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli (PG) - Wardha (PG) - II	20/06/2012	12.32		Continued.	Outage by PGCIL.
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	20/06/2012	18.45	Over Voltage.
Kolhapur - Mapusa - II	16/06/2012	17:52	20/06/2012	09.49	Over Voltage.
Wardha - Akola - I	19/06/2012	17.24		Continued.	To control Line Loading
Dhule-Sar'Sarovar - I	20/06/2012	23.49		Continued.	Over Voltage.
Kolhapur - Mapusa - I	21/06/2012	00.26		Continued.	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	20/06/2012	09.58	20/06/2012	20.22	Main Breaker In lockout Condition (Line Charge on TBC.)
Lonikand-Karad	20/06/2012	10.22		Continued.	Replacement of Insulator.
TBC @ Kharghar	20/06/2012	10.45	20/06/2012	18.09	B Ph.Rotory Insulator Replacement.
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.
Chandrapur - Warora	20/06/2012	08.01	20/06/2012	18.45	Erection & Commissioning of CC & WT in R Ph.
Wadkhal-IPCL-II	20/06/2012	08.14	20/06/2012	18.54	Disc Insulator Replacement Work.
Pophali-New Koyna	20/06/2012	09.00	20/06/2012	14.48	R & Y Ph. Wave Trapped Conductor Replacement.
220/132KV,200 MVA ICT-I at Dhule	20/06/2012	09.37	20/06/2012	20.20	For Attending Red Hot on B Ph. Bus Isolator of 132KV Dhule on 132KV Main Bus Section-I, ICT-I L V Side(B Ph.)Line Isolator Jumpering Work.
220/132 KV 200 MVA ICT - I @ Kalmeshwar	20/06/2012	10.25	20/06/2012	18.04	Measurement of Tan Delta of ICT Bushings
Bus Section - II @ Wadkhal	20/06/2012	10.25	20/06/2012	11.51	Tan Delta Measurment of Bus C T & P T.
Gadchandur-Virur-II	20/06/2012	11.15	20/06/2012	14.15	To Attend Red Hot on R Ph. of C T.
220/132KV, 200MVA ICT-1@Boiser	20/06/2012	11.31		Continued.	Breaker Air Pressure Low Shiftted on TBC
Wadkhal - Ndil - 2	20/06/2012	14.17	20/06/2012	17.17	Maintenance Work (Replacement of L A @ NDIL End.)
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	21/06/2012	06.45	Over Voltage.
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Karad - Kolhapur - I	20/06/2012	17.59		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jun/2012

Position as on 6.30 Hrs of 21/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	18/06/2012	10.35		Continued.	To control Dhule ICT Load
Padgha - Temghar - II	20/06/2012	11.40		Continued.	To Control Padgha ICT Load.
Voltage Level : 400KV			Outage Type TRIPPED		
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 @ Khaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	130
Unit 7	210	0
	620	250
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	170
Unit 4	210	0
Unit 5	210	130
Unit 6	250	170
Unit 7	250	165
	1130	635
Chandrapur		
Unit 1	210	155
Unit 2	210	120
Unit 3	210	160
Unit 4	210	180
Unit 5	500	430
Unit 6	500	350
Unit 7	500	400
	2340	1795
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	400
	852	400
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	16
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	175
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	396
Other CPPs	0	
	1005	1496
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	4522
	3455	4522

	18400	7 of 7	14230
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