



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jul/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.292	1575.911	1) Gujrat	2.176	-12.433
2) Hydro	17.870	124.950	2) Madhya Pradesh	17.322	233.201
3) Gas	10.767	158.718	3) Chattisgarh	11.640	178.410
Total MSGENCO	132.929	1859.579	4) Maharashtra	52.672	805.629
B) OTHERS			5) Goa	-6.471	-95.637
1) JSW JAIGAD	21.611	449.170	6) TAPS 1&2 Injection	6.888	116.802
2) WPCL	9.703	144.174	7) RGPPL Injection	14.821	289.711
3) Other CPP / IPP	5.550	96.240	8) Pench (Excess)	-0.077	-1.233
4) Wind Generation	11.681	274.881	# Total Cent. Sector	98.971	1514.450
5) PENCH (MS)	0.077	1.233	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.627	-183.544
1) TPCL Thermal	28.444	430.429	G) Bilateral Power *		
2) TPCL Hydro	5.012	58.795	1) MSEDCL Bilateral	27.787	411.888
TOTAL TPCL	33.456	489.224	Include PX	0.000	0.950
3) REL Thermal	12.563	199.293	2) MUMBAI Bilateral	14.143	211.102
D) STATE			Include PX	1.422	7.062
1) Thermal (A1+C1+C3)	145.299	2205.633	3) MUMBAI Schedule	14.143	211.102
2) Hydro (A2+B5+C2)	22.959	184.978	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.767	158.718	1) MSEDCL	268.895	4156.183
4) Wind (B4)	11.681	274.881	2) TPCL	38.772	584.850
5) CPP (B1+B2+B3)	36.864	689.584	3) REL	18.873	287.187
TOTAL STATE	227.570	3513.794	TOTAL STATE	326.540	5028.220

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4456	4334	4066
MSGENCO Hydro	1579	923	59
MSGENCO Gas	448	449	453
MSGENCO Total Generation	6483	5706	4578
Central Sector Receipt	4219	4231	4118
WIND	413	628	464
CPP / IPP	1511	1571	1510
Exchange with Mumbai	-592	-442	-265
MSEDCL DEMAND MET	12034	11696	10405
Load Shedding	525	571	307
MSEDCL DEMAND	12559	12267	10712
TPCL GENERATION	1785	1773	831
R-INFRA GENERATION	525	522	522
TPCL+R-INFRA DEMAND	2902	2737	1618
STATE DEMAND MET	14936	14433	12023
STATE DEMAND	15461	15004	12330
Frequency (Hz)	49.56	49.47	49.71

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 04:04 Hrs	48.78 Hz at 22:16 Hrs	49.57	7.81 % 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 16/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.43	42.65	128	60	110
Unit 6	0.00	33.81	0	0	0
Unit 7	3.12	57.58	150	90	130
Total	5.55	134.05			240
Bhusawal					
Unit 2	3.29	53.78	145	125	150
Unit 3	3.54	41.27	160	135	150
Unit 4	6.90	28.77	365	249	0
Unit 5	0.00	0.00	0	0	0
Total	13.73	123.83			300
Parli					
Unit 3	0.00	37.27	0	0	0
Unit 4	3.41	49.08	165	123	140
Unit 5	3.20	53.19	145	115	130
Unit 6	2.71	17.30	147	53	100
Unit 7	2.04	40.36	145	0	120
Total	11.36	197.20			490
Chandrapur					
Unit 1	2.52	52.72	132	76	100
Unit 2	2.28	54.12	130	61	130
Unit 3	3.35	64.43	162	120	130
Unit 4	3.47	69.99	157	134	140
Unit 5	8.63	138.50	415	305	300
Unit 6	9.00	147.60	440	300	350
Unit 7	9.09	101.78	434	324	350
Total	38.33	629.13			1500
Paras					
Unit 3	2.27	2.27	166	0	150
Unit 4	4.28	39.32	236	154	170
Total	6.56	41.60			320
Khaparkheda					
Unit 1	4.14	69.30	200	150	170
Unit 2	0.00	0.00	0	0	0
Unit 3	4.58	74.83	201	181	190
Unit 4	4.93	74.76	218	194	190
Unit 5	5.99	65.14	266	230	220
Total	19.63	284.04			770
Nasik					
Unit 3	4.62	59.01	205	175	192
Unit 4	4.51	70.16	205	168	192
Unit 5	0.00	36.90	0	0	0
Total	9.12	166.07			384
Uran					
All Units	10.77	158.72	464	433	450
Total	10.77	158.72			450
PENCH (MS)					
Pench (MS)	0.08	1.23	25	0	0
Total	0.08	1.23			0
Koyna					
Stage 1-2	4.50	41.86	410	40	530
Stage 4	8.89	29.08	983	0	250
Stage 3	3.43	24.17	240	0	240
Kovna 12&4 Total	13.38	70.94			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.82	95.11			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.32	0	0	61
TILLARI	0.00	1.79	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.26	5.20	79	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.27	1.08	12	11	12
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.10	1.23	10	1	10
GHATGHAR	0.42	7.25	125	0	0
Total	1.05	29.84			163
Wind					
MalharPeth	0.58	15.46			
Vankuswadi	1.19	23.66			
ATIT	0.11	5.64			
Kale	0.25	7.62			
Satara	2.36	32.58			
Shirala	0.19	9.11			
K Mahankal	0.05	23.05			
Supa	0.12	4.03			
Vita	1.49	45.90			
Dondaicha	3.33	65.85			
Sakri	0.54	10.00			
Nandurbar	0.31	6.72			
Khandke	0.60	15.64			
Khaparale	0.56	9.63			
Total	11.68	274.88			
CPP					
JSW JAIGAD	21.61	449.17	906	884	825
WARDHA	9.70	144.17	451	362	450
Other CPPs	5.55	96.24			
Total	36.86	689.58			1275
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.60	169.99	503	290	500
Trombay 6	7.74	102.19	489	156	500
Trombay 7A	2.79	45.31	124	92	120
Trombay 7B	1.56	25.21	67	57	60
Trombay 8	5.76	87.72	249	195	250
TATA Hydro	5.01	58.80	387	0	447
Total	33.46	489.22			1877
REL					
1&2	12.56	199.29	527	519	500
Total	12.56	199.29			500
Cent Sect					
Share					4396
Total					4396

MS PG CL	Thermal	104.29	1575.91			4004
	Thml+Gas	115.06	1734.63			4454
	Hydro	17.87	124.95			1183
	Total	132.93	1859.58			5637
State Total		227.57	3513.79			13685

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jul/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	4253	506	455	5214	644	1500	4086	3964	-507	-462	10860	168	11028	1958	12986	49.61
2	4170	225	454	4849	591	1489	4079	4053	-485	-363	10619	291	10910	1796	12706	49.65
3	4182	79	454	4715	532	1510	4062	3971	-485	-311	10417	294	10711	1679	12390	49.68
4	4066	59	453	4578	464	1510	4078	4118	-485	-265	10405	307	10712	1618	12330	49.71
5	4010	54	461	4525	485	1524	4071	4295	-485	-255	10574	321	10895	1612	12507	49.82
6	4126	144	464	4734	413	1527	4039	4564	-471	-318	10920	421	11341	1703	13044	49.65
7	4230	169	458	4857	399	1521	4065	4469	-483	-388	10858	792	11650	1827	13477	49.74
8	4347	124	455	4926	352	1507	4126	4713	-539	-451	11047	791	11838	1981	13819	49.81
9	4407	293	456	5156	390	1494	4084	4404	-539	-437	11007	856	11863	2263	14126	49.73
10	4448	1099	451	5998	305	1496	4116	4288	-589	-468	11619	568	12187	2635	14822	49.61
11	4456	1579	448	6483	413	1511	4240	4219	-695	-592	12034	525	12559	2902	15461	49.56
12	4451	1712	442	6605	287	1558	4264	3992	-768	-632	11810	590	12400	2952	15352	49.60
13	4462	1481	438	6381	227	1553	4211	3975	-718	-611	11525	675	12200	2945	15145	49.50
14	4489	1293	441	6223	240	1553	4162	4017	-634	-622	11411	584	11995	2905	14900	49.58
15	4451	1377	437	6265	363	1552	4175	4021	-643	-663	11538	504	12042	2947	14989	49.45
16	4555	1073	433	6061	582	1555	4173	4042	-643	-665	11575	555	12130	2937	15067	49.46
17	4564	514	447	5525	747	1555	4148	3811	-620	-654	10984	636	11620	2916	14536	49.50
18	4546	85	447	5078	697	1555	4105	3993	-579	-603	10720	644	11364	2852	14216	49.67
19	4435	157	450	5042	736	1556	4127	4072	-499	-438	10968	464	11432	2745	14177	49.62
20	4334	923	449	5706	628	1571	4283	4231	-544	-442	11696	571	12267	2737	15004	49.47
21	4322	1266	433	6021	536	1576	4406	4152	-664	-500	11810	547	12357	2638	14995	49.44
22	4365	965	452	5782	666	1572	4417	4123	-686	-464	11704	486	12190	2501	14691	49.43
23	4304	1280	436	6020	501	1571	4256	3833	-713	-510	11440	221	11661	2373	14034	48.99
24	4319	1413	453	6185	483	1548	4111	3651	-670	-513	11354	164	11518	2224	13742	49.41
MUs	104.29	17.87	10.77	132.93	11.68	36.86	99.88	98.97	-14.14	-11.63	268.90	11.98	280.87	57.65	338.52	49.57

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 16/Jul/2012

Position as on 6.30 Hrs of 17/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	17/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Annual Overhaul	15/08/2012
Koradi Unit 6	210	12/07/2012	23.56		Continued.	Boiler Validity expired.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Paras Unit 3	250	13/06/2012	17.05	16/07/2012	01.03	Structure collapse near ESP.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	20/07/2012
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Parli Unit 3	210	13/07/2012	02.54		Continued.	P A Fan problem.	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
CPP JSW (J) U1	300	15/07/2012	18.44		Continued.	On cooling water problem.	
Parli Unit 7	250	16/07/2012	18.15		Continued.	Coal shortage and Watercrisis.	
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refilling work.	
Koradi Unit 5	200	17/07/2012	04.33		Continued.	Furnace pressure high.	
Koyna ST-IV 2	250	17/07/2012	05.17		Continued.	Oil pressure drop.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2012

Position as on 6.30 Hrs of 17/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Chikodi	16/07/2012	09.05	16/07/2012	14.39	220KV bus section-II and III outage at Mudsingi.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur - Mapusa - II	12/07/2012	23.28	16/07/2012	09.29	Over Voltage.
Dhule-Sar'Sarovar - II	13/07/2012	11.20		Continued.	Over Voltage,Oppt. outage,availed on 14.07.2012 Jumper tightening work.(ready for charging at 16.40hrs.)
Akola - Wardha - I	16/07/2012	00.06		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/07/2012	17.10		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
New Koyna - Dabhol - I	16/07/2012	09.23	16/07/2012	18.25	CVT checking for VT fail problem main -II relay.
TBC at 400KV Aurangabad	16/07/2012	15.25	16/07/2012	17.23	Measurement of tan delta of CT.
400/220KV,500 MVA ICT-III at Kolhapur	16/07/2012	16.38	16/07/2012	18.40	For taking load.
400/220 KV 315 MVA ICT - I @ Chakan	16/07/2012	19.08	16/07/2012	20.28	Hot spot attending work.
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.
220/110KV 200MVA ICT-II at Mudshingi	09/07/2012	09.12	16/07/2012	14.40	Bus section II and III outage.
Auxiliary Bus @ Babhleshwar	12/07/2012	11.02	16/07/2012	18.45	Balance work of conversion of single to Twin Conductor.
Mudshingi-Karad CKT IV	16/07/2012	08.15	16/07/2012	14.45	220 KV Bus Section II & III outage at Mudshingi.
Mudshingi - Peth	16/07/2012	09.05	16/07/2012	16.55	220KV bus section-II and III outage at Mudsingi.
220/132KV,200 MVA T/F-II and III at Mudsingi.	16/07/2012	09.10	16/07/2012	14.40	220KV bus section-II and III outage at Mudsingi.
Main bus section I I and III at Mudshingi.	16/07/2012	09.20	16/07/2012	14.35	Connecting jumper of bus isolator of 220KV Wathar,Karad T/F II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Availed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2012

Position as on 6.30 Hrs of 17/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	15/07/2012	16.14	16/07/2012	08.59	Over Voltage.
Karad - Kolhapur - I	16/07/2012	16.13		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Mudshingi-Wathar	16/07/2012	09.05	16/07/2012	14.41	220 KV Bus Section II & III outage at Mudshingi.
Mudshingi - Karad - II	16/07/2012	09.05	16/07/2012	16.45	220 KV Bus Section II & III outage at Mudshingi.
Mudshingi-Talandage-II	16/07/2012	09.05	16/07/2012	14.37	220 KV Bus Section II & III outage at Mudshingi.
Mudshingi - Talandage - I	16/07/2012	09.05	16/07/2012	14.38	220 KV Bus Section II & III outage at Mudshingi.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Karad-Jaigad II	15/07/2012	15.53	16/07/2012	07.16	Distance protection .Ready for charging at 16.40Hrs.on 15.07.2012.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Pedambe - Oni	16/07/2012	07.00	16/07/2012	16.07	Distance protection.
Karad - Kiniwathar	17/07/2012	03.45	17/07/2012	04.02	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Niwali-Ujni	16/07/2012	04.31	16/07/2012	05.07	Distance protection.
Jalna-Badnapur	16/07/2012	11.55	16/07/2012	20.25	B ph.CT burst at Badnapur .

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	120
Unit 3	210	140
Unit 4	500	0
Unit 5	500	0
	1420	260
Parli		
Unit 3	210	0
Unit 4	210	139
Unit 5	210	131
Unit 6	250	183
Unit 7	250	0
	1130	453
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	160
Unit 4	210	160
Unit 5	500	400
Unit 6	500	325
Unit 7	500	270
	2340	1595
Paras		
Unit 3	250	190
Unit 4	250	160
	500	350
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	180
Unit 4	210	210
Unit 5	500	200
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	440
	852	440
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	100
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	825
WARDHA	405	451
Other CPPs	0	
	1005	1276
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	4168
	3455	4168