



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jul/2012

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 15/Jul/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.362	1471.619	1) Gujrat	-0.355	-14.609
2) Hydro	5.347	107.080	2) Madhya Pradesh	19.362	215.879
3) Gas	7.527	147.951	3) Chattisgarh	11.410	166.770
Total MSGENCO	119.236	1726.650	4) Maharashtra	56.377	752.957
B) OTHERS			5) Goa	-5.768	-89.166
1) JSW JAIGAD	27.235	427.559	6) TAPS 1&2 Injection	7.300	109.914
2) WPCL	8.769	134.471	7) RGPPL Injection	13.862	274.890
3) Other CPP / IPP	5.258	90.690	8) Pench (Excess)	-0.085	-1.156
4) Wind Generation	14.927	263.200	# Total Cent. Sector	102.103	1415.479
5) PENCH (MS)	0.085	1.156	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.014	-171.917
1) TPCL Thermal	23.348	401.985	G) Bilateral Power *		
2) TPCL Hydro	0.127	53.783	1) MSEDCL Bilateral	23.574	384.101
TOTAL TPCL	23.475	455.768	Include PX	0.000	0.950
3) REL Thermal	12.592	186.730	2) MUMBAI Bilateral	13.785	196.959
D) STATE			Include PX	0.301	5.640
1) Thermal (A1+C1+C3)	142.302	2060.334	3) MUMBAI Schedule	13.785	196.959
2) Hydro (A2+B5+C2)	5.559	162.019	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.527	147.951	1) MSEDCL	266.599	3887.288
4) Wind (B4)	14.927	263.200	2) TPCL	30.836	546.078
5) CPP (B1+B2+B3)	41.262	652.720	3) REL	16.253	268.314
TOTAL STATE	211.577	3286.224	TOTAL STATE	313.688	4701.680

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	4655	4489	4196
MSGENCO Hydro	221	440	64
MSGENCO Gas	305	304	305
MSGENCO Total Generation	5181	5233	4565
Central Sector Receipt	4995	4500	4121
WIND	545	715	470
CPP / IPP	1803	1481	1803
Exchange with Mumbai	-514	-533	-350
MSEDCL DEMAND MET	12010	11411	10609
Load Shedding	214	515	231
MSEDCL DEMAND	12224	11926	10840
TPCL GENERATION	1029	1130	817
R-INFRA GENERATION	526	523	525
TPCL+R-INFRA DEMAND	2069	2186	1692
STATE DEMAND MET	14079	13597	12301
STATE DEMAND	14293	14112	12532
Frequency (Hz)	49.88	49.74	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 17.04 Hrs	49.1 Hz at 22.04 Hrs	49.86	.28 % 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 15/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.75	40.23	140	95	95
Unit 6	0.00	33.81	0	0	0
Unit 7	3.29	54.46	160	80	120
Total	6.04	128.50			215
Bhusawal					
Unit 2	3.33	50.50	150	120	150
Unit 3	3.54	37.73	165	135	150
Unit 4	6.30	21.87	404	0	
Unit 5	0.00	0.00	0	0	
Total	13.17	110.10			300
Parli					
Unit 3	0.00	37.27	0	0	0
Unit 4	3.18	45.67	149	117	135
Unit 5	3.17	49.99	146	115	140
Unit 6	2.81	14.59	176	55	70
Unit 7	2.99	38.32	176	85	95
Total	12.15	185.84			440
Chandrapur					
Unit 1	2.90	50.20	144	91	100
Unit 2	2.71	51.84	142	80	100
Unit 3	3.80	61.08	186	124	160
Unit 4	4.05	66.52	193	143	170
Unit 5	8.86	129.86	465	285	450
Unit 6	9.26	138.60	470	280	375
Unit 7	8.70	92.70	400	276	400
Total	40.28	590.80			1755
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	5.90	35.04	262	203	250
Total	5.90	35.04			250
Khaparkheda					
Unit 1	4.22	65.17	200	130	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.97	70.25	210	199	200
Unit 4	4.81	69.83	210	193	200
Unit 5	5.20	59.16	247	204	200
Total	19.21	264.41			790
Nasik					
Unit 3	4.83	54.40	220	180	192
Unit 4	4.78	65.65	210	187	182
Unit 5	0.00	36.90	0	0	0
Total	9.62	156.94			374
Uran					
All Units	7.53	147.95	444	300	290
Total	7.53	147.95			290
PENCH (MS)					
Pench (MS)	0.08	1.16	25	0	
Total	0.08	1.16			
Koyna					
Stage 1-2	1.71	37.36	160	40	530
Stage 4	1.45	20.19	294	0	250
Stage 3	1.43	20.74	240	0	240
Kovna 12&4 Total	3.16	57.55			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.60	78.29			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.	0.23	4.94	70	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.14	0.81	14	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	1.13	10	0	8
GHATGHAR	0.32	6.83	125	0	0
Total	0.75	28.79			149
Wind					
MalharPeth	1.37	14.89			
Vankuswadi	1.34	22.46			
ATIT	0.48	5.53			
Kale	0.33	7.37			
Satara	0.61	30.22			
Shirala	0.38	8.92			
K Mahankal	1.16	23.00			
Supa	0.27	3.91			
Vita	2.01	44.40			
Dondaicha	4.07	62.52			
Sakri	0.74	9.46			
Nandurbar	0.32	6.41			
Khandke	0.84	15.03			
Khaparale	1.01	9.08			
Total	14.93	263.20			
CPP					
JSW JAIGAD	27.24	427.56	1218	854	1098
WARDHA	8.77	134.47	369	362	363
Other CPPs	5.26	90.69			
Total	41.26	652.72			1461
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.59	159.39	500	285	500
Trombay 6	3.84	94.45	179	154	500
Trombay 7A	2.94	42.52	124	119	120
Trombay 7B	1.60	23.66	68	66	60
Trombay 8	5.38	81.97	248	191	250
TATA Hydro	0.13	53.78	51	0	447
Total	23.48	455.77			1877
REL					
1&2	12.59	186.73	526	522	500
Total	12.59	186.73			500
Cent Sect					
Share					4190
Total					4190

MS PG CL	Thermal	106.36	1471.62			4124
	Thml+Gas	113.89	1619.57			4414
	Hydro	5.35	107.08			1169
	Total	119.24	1726.65			5583
State Total		211.58	3286.22			13611

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	3877	705	305	4887	717	1798	3715	4095	-535	-451	11046	169	11215	2038	13253	49.73
2	3878	573	305	4756	609	1772	3723	4053	-517	-462	10728	203	10931	1898	12829	49.73
3	3977	327	305	4609	605	1793	3763	4063	-513	-432	10638	215	10853	1785	12638	49.79
4	4105	162	305	4572	585	1805	3799	4066	-493	-374	10654	224	10878	1719	12597	49.93
5	4196	64	305	4565	470	1803	3829	4121	-482	-350	10609	231	10840	1692	12532	49.86
6	4308	64	305	4677	526	1799	3865	4389	-509	-393	10998	320	11318	1740	13058	49.89
7	4417	52	305	4774	431	1804	3898	4242	-517	-390	10861	709	11570	1736	13306	49.99
8	4568	55	305	4928	381	1785	3932	4389	-562	-425	11058	726	11784	1772	13556	50.05
9	4642	42	305	4989	537	1806	3959	4768	-578	-461	11639	393	12032	1848	13880	50.02
10	4702	48	305	5055	361	1798	3969	5201	-576	-503	11912	204	12116	1977	14093	50.10
11	4655	221	305	5181	545	1803	3977	4995	-584	-514	12010	214	12224	2069	14293	49.88
12	4597	300	300	5197	752	1773	3978	4403	-586	-477	11648	488	12136	2097	14233	49.84
13	4662	94	302	5058	667	1771	3973	4113	-591	-481	11128	553	11681	2095	13776	49.81
14	4622	69	300	4991	781	1782	3976	4078	-594	-456	11176	463	11639	2058	13697	49.80
15	4611	59	300	4970	776	1789	3983	4147	-593	-425	11257	396	11653	1979	13632	49.84
16	4593	54	300	4947	794	1802	3989	4125	-589	-405	11263	296	11559	1938	13497	49.85
17	4577	47	303	4927	625	1794	3985	4288	-586	-411	11223	215	11438	1907	13345	50.01
18	4494	43	306	4843	721	1794	3975	3719	-580	-447	10630	117	10747	1923	12670	50.20
19	4536	71	306	4913	719	1607	4006	3725	-572	-451	10513	160	10673	1982	12655	49.96
20	4569	185	307	5061	661	1497	4167	4340	-586	-488	11071	529	11600	2137	13737	49.77
21	4489	440	304	5233	715	1481	4271	4500	-634	-533	11411	515	11926	2186	14112	49.74
22	4450	514	309	5273	586	1481	4282	4110	-656	-575	10900	499	11399	2190	13589	49.67
23	4479	597	391	5467	708	1486	4176	4102	-690	-577	11211	221	11432	2186	13618	49.54
24	4358	561	444	5363	655	1439	4031	4071	-658	-533	11015	170	11185	2129	13314	49.59
MUs	106.36	5.35	7.53	119.24	14.93	41.26	95.22	102.10	-13.79	-11.01	266.60	8.23	274.83	47.08	321.91	49.86

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/Jul/2012

Position as on 6.30 Hrs of 16/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.	15/07/2012
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.	
Uran Unit 8	108	07/07/2012	14.28	15/07/2012	21.10	Due to 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	
Bhusawal Unit 4	500	14/07/2012	18.14	15/07/2012	03.02	Drum Level High.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2012

Position as on 6.30 Hrs of 16/Jul/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
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		Continued.	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.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV315 MVA ICT-I @ BBLR	15/07/2012	14.12	15/07/2012	14.26	Testing work of conversion of single conductor to twin conductor of 220KV.
400/220KV 315MVA ICT-II @ BBLSR	15/07/2012	15.00	15/07/2012	15.44	Testing work of conversion of single conductor to twin conductor of 220KV.
400/220KV 500MVA ICT-III at Bableshtar	15/07/2012	17.02	15/07/2012	18.42	Testing work of conversion of single conductor to twin conductor of 220KV.
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		Continued.	Bus section II and III outage.
Auxiliary Bus @ Babbleshwar	12/07/2012	11.02		Continued.	Balance work of conversion of single to Twin Conductor.
Wada-Kolshet	15/07/2012	06.04	15/07/2012	10.38	E/W stringing work of highway crossing.
Dondaicha - Jamde - II.	15/07/2012	13.10	15/07/2012	15.58	Main breaker maintenance work.
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.
Karad - Kolhapur - I	14/07/2012	17.33	15/07/2012	08.43	Over Voltage.
Karad - Kolhapur - II	15/07/2012	16.14		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.
Karad-Mudsingi-IV	12/07/2012	15.15		Continued.	H/T for TBC to be made free for Wathar line.
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2012

Position as on 6.30 Hrs of 16/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad II	15/07/2012	15.53		Continued.	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
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Umarkhed	15/07/2012	00.07	15/07/2012	00.13	Distance protection operated Z1.
Nanded - Umri	15/07/2012	20.11	15/07/2012	20.22	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	130
	620	240
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	130
Unit 6	250	100
Unit 7	250	120
	1130	490
Chandrapur		
Unit 1	210	100
Unit 2	210	130
Unit 3	210	130
Unit 4	210	140
Unit 5	500	300
Unit 6	500	350
Unit 7	500	350
	2340	1500
Paras		
Unit 3	250	150
Unit 4	250	170
	500	320
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	220
	1340	770
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	450
	852	450
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	61

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	10
GHATGHAR	250	0
	611	163
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	450
Other CPPs	0	
	1005	1275
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	4396
	3455	4396

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