



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Jul/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.744	879.577	1) Gujrat	2.966	11.215
2) Hydro	2.897	40.617	2) Madhya Pradesh	14.960	140.043
3) Gas	8.407	73.169	3) Chattisgarh	7.170	66.920
Total MSGENCO	118.048	993.363	4) Maharashtra Net	88.111	701.956
B) 1) JSW JAIGAD	26.780	211.372	(Incl. 765kV Solapur-Raichur)	-0.470	-36.791
2) WPCL	2.452	17.953	5) Goa	-6.742	-54.836
3) ADANI	52.202	422.109	6) TAPS 1&2 Injection	7.212	58.036
4) Other CPP / IPP	17.924	144.959	7) RGPPL Injection	0.000	0.000
5) Wind Generation	28.707	232.314	8) Pench (Excess)	-0.399	-1.043
6) PENCH (MS)	0.399	1.043	# Total Cent. Sector	113.278	922.291
7) SOLAR	0.809	7.677	F) Other Exchanges		
C) 1) TPCL Thermal	17.988	152.244	1) With TPCL (Excess)	-26.287	-202.035
2) TPCL Hydro	2.471	16.729	G) Bilateral Power *		
TOTAL TPCL	20.459	168.973	1) MSEDCL Bilateral	43.899	309.516
3) REL Thermal	12.158	98.553	Include PX	12.987	100.760
D) STATE			2) MUMBAI Bilateral	27.007	209.099
1) Thermal (A1+C1+C3)	136.890	1130.374	Include PX	3.337	21.836
2) Hydro (A2+B6+C2)	5.767	58.389	3) MUMBAI Schedule	27.007	211.906
3) Gas (A3)	8.407	73.169	H) ENERGY CATERED (MUs)		
4) Wind (B5)	28.707	232.314	1) MSEDCL	334.312	2751.046
5) CPP/IPP (B1+B2+B3+B4)	99.358	796.393	2) TPCL	37.134	295.848
6) SOLAR (B7)	0.809	7.677	3) REL	21.769	173.706
TOTAL STATE	279.938	2298.316	TOTAL STATE	393.215	3220.600

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4889	4923	4330
MSGENCO Hydro	192	77	77
MSGENCO Gas	386	287	412
MSGENCO Total Generation	5467	5287	4819
Central Sector Receipt	5535	5369	4372
WIND	980	1188	1078
CPP / IPP	4341	4414	3663
SOLAR	109	114	0
Exchange with Mumbai	-1431	-1378	-706
MSEDCL DEMAND MET	15001	15017	13226
Load Shedding	132	59	51
MSEDCL DEMAND	15133	15076	13277
TPCL GENERATION	1038	1027	579
R-INFRA GENERATION	521	521	454
TPCL+R-INFRA DEMAND	2990	2926	1739
STATE DEMAND MET	17991	17943	14965
STATE DEMAND	18123	18002	15016
Frequency (Hz)	49.90	49.78	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 16.53 Hrs	49.53 Hz at 03.09 Hrs	49.85	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 08/Jul/2014

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	1.06	18.93			1090	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	3.62	10.26	160	140	145	KDPH	0.19	2.57	8	8	8	
Unit 7	3.90	29.42	175	150	155	VTRNA	0.53	3.97	61	0	61	
Total	7.52	39.68			300	TILLARI	0.00	0.00	0	0	0	
Bhusawal						BHTGR/VEER	0.00	0.00	0	0	0	
Unit 2	0.00	18.02	0	0	0	BHIRA T.R.	0.00	0.34	0	0	40	
Unit 3	2.75	23.72	130	90	120	RNGR+BHTSA	0.27	1.12	12	11	10	
Unit 4	9.44	71.32	490	320	360	BHANDARDRA	0.10	0.69	25	0	0	
Unit 5	7.92	65.34	395	275	310	ELDARY	0.00	0.00	0	0		
Total	20.12	178.38			790	SMLHY_PTN	0.20	2.20	19	3	10	
Parli						GHATGHAR	0.54	10.79	125	0		
Unit 3	0.00	0.00	0	0	0	Total	1.83	21.69			129	
Unit 4	0.00	0.00	0	0	0	Wind						
Unit 5	3.60	14.19	163	146	145	MalharPeth	0.97	6.87				
Unit 6	4.53	35.76	250	175	175	Vankuswadi	1.80	12.95				
Unit 7	4.53	36.16	250	170	175	ATIT	0.12	1.44				
Total	12.65	86.11			495	Kale	0.62	4.06				
Chandrapur						Satara	10.01	86.12				
Unit 1	2.60	23.16	130	0	130	Shirala	0.53	4.80				
Unit 2	3.75	26.81	161	146	160	K Mahankal	0.05	0.42				
Unit 3	3.29	23.70	145	129	150	Supa	0.14	1.56				
Unit 4	4.49	35.40	198	170	200	Vita	1.74	17.20				
Unit 5	6.60	75.41	450	170	210	Dondaicha	8.84	66.92				
Unit 6	9.21	71.84	400	357	400	Sakri	1.24	9.07				
Unit 7	0.00	0.00	0	0	0	Nandurbar	0.97	7.26				
Total	29.95	256.32			1250	Khandke	0.39	4.90				
Paras						Khaparale	1.30	8.73				
Unit 3	4.06	33.10	189	152	160	Total	28.71	232.31				
Unit 4	0.00	28.17	0	0	0	CPP						
Total	4.06	61.28			160	JSW_JAIGAD	26.78	211.37	1171	984	1055	
Khaparkheda						WARDHA	2.45	17.95	105	98	90	
Unit 1	3.29	5.28	155	120	100	Adani	52.20	422.11	2306	1942	2446	
Unit 2	3.70	29.56	170	145	160	Other_CPPs	17.92	134.29			765	
Unit 3	3.87	30.68	199	153	170	Total	99.36	785.72			4356	
Unit 4	1.84	28.36	158	0	170	SOLAR						
Unit 5	8.86	69.33	500	330	350	Total	0.81	7.68				
Total	21.56	163.21			950	Total	0.81	7.68				
Nasik						Tata						
Unit 3	4.29	34.62	190	170	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	2.24	33.06	194	0	198	Trombay 5	10.99	91.34	503	316	500	
Unit 5	4.36	26.93	192	169	190	Trombay 6	4.24	32.80	283	152	500	
Total	10.88	94.60			578	Trombay 7A	1.58	17.09	87	61	120	
Uran						Trombay 7B	1.19	11.03	57	47	60	
All Units	8.41	73.17	419	273	400	Trombay 8	0.00	0.00	0	0	0	
Total	8.41	73.17			400	TATA Hydro	2.47	16.73	225	0	447	
PENCH (MS)						Total	20.46	168.97			1627	
Pench (MS)	0.40	1.04	27	0		REL						
Total	0.40	1.04				1&2	12.16	98.55	523	454	500	
Koyna						Total	12.16	98.55			500	
Stage 1-2	1.06	14.65	55	40	600	Cent Sect						
Stage 4	0.00	0.58	0	0	250	Share					5793	
Stage 3	0.00	3.70	0	0	240	Total					5793	
Koyna 12&4 Total	1.06	15.23			850	MS PG CL						
							Thermal	106.74	879.58			4523
							Thml+Gas	115.15	952.75			4923
							Hydro	2.90	40.62			1219
							Total	118.05	993.36			6142
							State Total	279.94	2298.32			18418

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 08/Jul/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4285	62	414	4761	1228	4102	0	4744	4626	-801	-1028	13712	79	13791	2086	15877	49.85
2	4318	62	411	4791	1241	3949	0	4585	4032	-665	-877	13159	51	13210	1911	15121	49.92
3	4317	62	408	4787	1229	3700	0	4161	4311	-601	-758	13272	51	13323	1795	15118	49.75
4	4309	67	415	4791	1245	3738	0	3926	4209	-539	-713	13270	51	13321	1748	15069	49.68
5	4330	77	412	4819	1078	3663	0	4018	4372	-649	-706	13226	51	13277	1739	15016	49.72
6	4400	67	414	4881	1093	4053	1	4534	4205	-770	-639	13614	57	13671	1809	15480	49.76
7	4374	77	419	4870	1142	4210	5	4677	4557	-874	-578	14229	64	14293	1852	16145	49.75
8	4414	91	413	4918	1080	4274	21	4935	4681	-929	-737	14264	69	14333	2019	16352	49.84
9	4417	150	418	4985	1376	4077	44	5272	5217	-1097	-1059	14667	63	14730	2348	17078	49.86
10	4413	158	412	4983	1433	4038	69	5478	5217	-1237	-1318	14449	55	14504	2691	17195	49.88
11	4559	158	413	5130	1204	4132	86	5671	5487	-1438	-1452	14593	59	14652	2896	17548	49.92
12	4645	233	399	5277	1094	4227	94	5613	5760	-1608	-1444	15008	69	15077	2989	18066	49.93
13	4889	192	386	5467	980	4341	109	5592	5535	-1595	-1431	15001	132	15133	2990	18123	49.90
14	4889	67	312	5268	1032	4293	97	5574	5289	-1523	-1400	14599	75	14674	2915	17589	49.83
15	4923	77	287	5287	1188	4414	114	5614	5369	-1549	-1378	15017	59	15076	2926	18002	49.78
16	4767	68	277	5112	1133	4221	75	5589	5367	-1576	-1341	14594	53	14647	2867	17514	49.87
17	4665	68	276	5009	1528	4274	54	5201	5257	-1549	-1341	14808	53	14861	2877	17738	49.99
18	4651	89	275	5015	1490	4293	33	4143	4055	-1455	-1323	13568	54	13622	2851	16473	49.99
19	4482	128	273	4883	1620	4219	7	3473	4286	-1162	-1300	13742	54	13796	2741	16537	49.94
20	4410	145	273	4828	1283	4213	0	4227	4237	-1203	-1261	13324	60	13384	2704	16088	49.74
21	4409	193	273	4875	1094	4257	0	4435	5156	-1223	-1150	14256	70	14326	2692	17018	49.82
22	4409	270	275	4954	1026	4223	0	4439	3650	-1045	-1073	12803	70	12873	2596	15469	49.81
23	4213	255	277	4745	987	4197	0	4315	4079	-972	-1008	13020	56	13076	2494	15570	49.86
24	4256	81	275	4612	903	4250	0	4700	4324	-948	-972	13117	56	13173	2368	15541	49.92
MUs	107.74	2.90	8.41	119.05	28.71	99.36	0.81	114.92	113.28	-27.01	-26.29	335.31	1.51	336.82	58.90	395.73	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 08/Jul/2014

Position as on 6.30 Hrs of 09/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T, Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
Bhusawal Unit 2	210	06/07/2014	11.17		Continued.	ID Fan Problem	
Paras Unit 4	250	06/07/2014	19.26		Continued.	Boiler Tube Leakage	
Khaparkheda Unit 4	210	08/07/2014	12.03		Continued.	Boiler Tube Leakage.	
Uran Unit 6	108	08/07/2014	13.30		Continued.	Gas Shortage.	
Nasik Unit 4	210	08/07/2014	18.20		Continued.	I D Fan Problem.	
Chandrapur Unit 1	210	08/07/2014	22.11		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2014

Position as on 6.30 Hrs of 09/Jul/2014

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 - Mapusa - I	07/07/2014	16.24	08/07/2014	09.09	Over Voltage
Kolhapur - Mapusa - II	08/07/2014	16.23		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	08/07/2014	18.25		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	09/07/2014	04.33		Continued.	Sparking on CT @ Parli End.
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Aurangabad PG-Wardha PG-I	07/07/2014	12.52	08/07/2014	10.59	Distance Protection
Solapur-Solapur(PGCIL)	07/07/2014	22.45	09/07/2014	03.49	Distance Protection
Koradi-Satpur	08/07/2014	19.37		Continued.	Distance Protection.
Parli-Parli (PGCIL)-II	08/07/2014	23.59		Continued.	Bus Bar Protection Operated @ Parly,Not Charged Due to Problem @ Parli PG End.
Parli-Parli (PGCIL) I	09/07/2014	00.01	09/07/2014	04.29	On Bus-II Tripped @ Parli PG End,H/T @ Parli End @ 00.25 Hrs Heavy Sparking.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna-Karad-II	07/07/2014	10.16	08/07/2014	09.46	Q.M.Work, RFC 15.20Hrs
400/220KV 315MVA ICT-II @ New Koyna	08/07/2014	09.10	08/07/2014	18.00	Attending Hot Spot by Replacement of Y & B Phase Bushing Stud of ICT-II.
400/220KV 167 MVA Spare ICT at Khaparkheda	08/07/2014	10.09	08/07/2014	15.50	Tan Delta & Cof ICT Bushing & Winding.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mulund-I	08/07/2014	06.28	08/07/2014	09.51	To Attend Hot Spot.
Kandalgaon-Koyna	08/07/2014	10.20	08/07/2014	18.00	Replacement of Insulator String.
Mudshingi-Wathar	08/07/2014	10.50	08/07/2014	13.27	Tan Delta Work.
Nasik-Raymond	08/07/2014	17.04		Continued.	Taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	07/07/2014	16.08	08/07/2014	08.53	Over Voltage
Bhusawal- Aurangabad	07/07/2014	18.27	08/07/2014	09.38	Over Voltage
Karad-Jaigad I	07/07/2014	21.50	08/07/2014	08.58	Over Voltage
Karad-Jaigad I	08/07/2014	17.04		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/07/2014	17.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Voltage Level : 400KV			Outage Type TRIPPED		
Jejuri-Koyna STG-IV	08/07/2014	01.37	08/07/2014	12.07	Distance Protection
400 KV Bus Coupler @ Parli	08/07/2014	23.59	09/07/2014	01.26	Bus Bar Protection Operated @ Parly.
Parli - Lamboti	08/07/2014	23.59	09/07/2014	01.44	Bus Bar Protection Operated @ Parly.
Chandrapur - Parli - II	08/07/2014	23.59	09/07/2014	02.30	Bus Bar Protection Operated @ Parly.
400/220 KV 315 MVA ICT-I @ Parly.	08/07/2014	23.59	09/07/2014	Continued.	Bus Bar Protection Operated @ Parly.Charged @ 01.50 But PDR Trip.
Bus - I @ Parli	08/07/2014	23.59	09/07/2014	01.26	Bus Bar Protection Operated @ Parly.
Lonikand 2-Parli-I	08/07/2014	23.59	09/07/2014	03.16	Bus Bar Protection Operated @ Parly.
400/220 KV 315 MVA ICT	08/07/2014	23.59	09/07/2014	01.56	Bus Bar Protection Operated @ Parly.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2014

Position as on 6.30 Hrs of 09/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- II @ Parli					
Chandrapur - II - Parli - I	08/07/2014	23.59	09/07/2014	01.31	Bus Bar Protection Operated @ Parly.
Chandrapur - Parli - III	09/07/2014	03.17	09/07/2014	06.21	Tripped @ Chandrapur End only.
Voltage Level : 220KV					
Outage Type TRIPPED					
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
Bale - Tuljapur	08/07/2014	00.31	08/07/2014	09.32	Distance Protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 09/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	0
Unit 5	200	0	BHTGR/VEER	21	0
Unit 6	210	150	BHIRA T.R.	80	0
Unit 7	210	160	RNGR+BHTSA	20	12
	620	310	BHANDARDRA	45	24
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTIN	12	9
Unit 3	210	137	GHATGHAR	250	0
Unit 4	500	368		611	124
Unit 5	500	309	Wind		
	1420	814	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	147	Satara	0	
Unit 6	250	175	Shirala	0	
Unit 7	250	175	K Mahankal	0	
	1130	497	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	156	Sakri	0	
Unit 3	210	145	Nandurbar	0	
Unit 4	210	192	Khandke	0	
Unit 5	500	440	Khaparale	0	
Unit 6	500	390		0	
Unit 7	500	0	CPP		
	2340	1323	JSW_JAIGAD	1200	1055
Paras			WARDHA	405	90
Unit 3	250	180	Adani	2640	2446
Unit 4	250	0	Other_CPPs	300	518
	500	180		4545	4109
Khaparkheda			SOLAR		
Unit 1	210	150	Total	0	
Unit 2	210	160		0	
Unit 3	210	170	Tata		
Unit 4	210	0	Trombay 4	150	0
Unit 5	500	350	Trombay 5	500	500
	1340	830	Trombay 6	500	500
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	0	Trombay 8	250	0
Unit 5	210	190	TATA Hydro	444	447
	630	380		2024	1627
Uran			REL		
All Units	852	280	1&2	500	500
	852	280		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5118
	53			3455	5118
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	18			
VTRNA	60	61			