



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Jun/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.985	2807.833	1) Gujrat	4.954	99.803
2) Hydro	3.642	114.028	2) Madhya Pradesh	18.500	473.097
3) Gas	10.268	272.700	3) Chattisgarh	6.570	220.390
Total MSGENCO	135.895	3194.561	4) Maharashtra Net	81.104	2081.393
B) 1) JSW JAIGAD	20.591	545.797	(Incl. 765kV Solapur-Raichur)	-2.460	-17.693
2) WPCL	2.207	9.449	5) Goa	-7.174	-159.112
3) ADANI	43.003	917.783	6) TAPS 1&2 Injection	6.542	157.010
4) Other CPP / IPP	18.186	400.550	7) RGPPL Injection	0.000	0.000
5) Wind Generation	44.020	691.152	8) Pench (Excess)	-0.153	-4.079
6) PENCH (MS)	0.153	4.079	# Total Cent. Sector	110.343	2868.502
7) SOLAR	1.179	23.190	F) Other Exchanges		
C) 1) TPCL Thermal	19.640	452.961	1) With TPCL (Excess)	-29.460	-656.220
2) TPCL Hydro	3.738	105.443	G) Bilateral Power *		
TOTAL TPCL	23.378	558.404	1) MSEDCL Bilateral	16.204	562.360
3) REL Thermal	12.368	296.805	Include PX	-1.955	80.422
D) STATE			2) MUMBAI Bilateral	28.922	604.909
1) Thermal (A1+C1+C3)	153.993	3557.599	Include PX	3.480	102.113
2) Hydro (A2+B6+C2)	7.533	223.550	3) MUMBAI Schedule	28.922	609.804
3) Gas (A3)	10.268	272.700	H) ENERGY CATERED (MUs)		
4) Wind (B5)	44.020	691.152	1) MSEDCL	346.117	7998.843
5) CPP/IPP (B1+B2+B3+B4)	83.987	1873.579	2) TPCL	40.992	953.807
6) SOLAR (B7)	1.179	23.190	3) REL	24.212	557.509
TOTAL STATE	300.980	6641.770	TOTAL STATE	411.321	9510.159

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5332	5249	4670
MSGENCO Hydro	313	309	71
MSGENCO Gas	427	428	432
MSGENCO Total Generation	6072	5986	5173
Central Sector Receipt	4842	5190	4251
WIND	1826	1954	1805
CPP / IPP	3544	3468	3323
SOLAR	162	113	0
Exchange with Mumbai	-1461	-1450	-923
MSEDCL DEMAND MET	14992	15261	13629
Load Shedding	622	268	132
MSEDCL DEMAND	15614	15529	13761
TPCL GENERATION	1240	1260	654
R-INFRA GENERATION	523	521	467
TPCL+R-INFRA DEMAND	3224	3231	2044
STATE DEMAND MET	18216	18492	15673
STATE DEMAND	18838	18760	15805
Frequency (Hz)	49.87	49.78	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 05.53 Hrs	49.54 Hz at 15.07 Hrs	49.91	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 24/Jun/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	1.44	45.30			1090	
Unit 5	0.00	14.31	0	0	0	Hydro						
Unit 6	3.28	74.98	165	108	150	KDPH	0.23	3.58	10	9	10	
Unit 7	3.37	74.66	170	105	160	VTRNA	0.54	23.03	61	0	60	
Total	6.66	163.95			310	TILLARI	0.00	0.12	0	0	0	
Bhusawal						BHTGR/VEER	0.00	0.00	0	0	0	
Unit 2	3.52	10.36	165	135	140	BHIRA T.R.	0.18	5.34	40	0	40	
Unit 3	3.44	79.01	155	125	140	RNGR+BHTSA	0.23	5.71	10	9	8	
Unit 4	9.24	204.82	490	320	350	BHANDARDRA	0.00	1.17	0	0	0	
Unit 5	8.27	186.49	390	305	310	ELDARY	0.03	0.03	13	0		
Total	24.48	480.68			940	SMLHY_PTN	0.14	5.96	12	3	10	
Parli						GHATGHAR	0.86	23.77	196	0		
Unit 3	0.00	0.00	0	0	0	Total	2.20	68.72			128	
Unit 4	3.40	73.21	160	135	145	Wind						
Unit 5	3.53	54.47	158	137	144	MalharPeth	1.17	16.09				
Unit 6	4.46	98.07	250	174	175	Vankuswadi	2.25	27.93				
Unit 7	4.49	108.25	250	175	175	ATIT	0.27	4.69				
Total	15.88	334.00			639	Kale	0.74	11.35				
Chandrapur						Satara	19.22	304.14				
Unit 1	3.33	75.44	144	136	145	Shirala	0.94	15.29				
Unit 2	3.50	62.56	162	81	165	K Mahankal	0.10	2.11				
Unit 3	3.95	78.79	174	149	185	Supa	0.36	5.75				
Unit 4	4.47	103.24	197	160	210	Vita	4.36	65.82				
Unit 5	6.62	191.07	430	0	100	Dondaicha	9.72	154.03				
Unit 6	9.28	187.36	405	365	420	Sakri	1.34	23.45				
Unit 7	0.00	124.70	0	0	0	Nandurbar	1.06	14.60				
Total	31.16	823.16			1225	Khandke	1.38	24.17				
Paras						Khaparale	1.12	21.74				
Unit 3	4.10	93.77	184	162	200	Total	44.02	691.15				
Unit 4	5.45	127.60	247	192	250	CPP						
Total	9.55	221.37			450	JSW_JAIGAD	20.59	545.80	908	731	824	
Khaparkheda						WARDHA	2.21	9.45	104	42	100	
Unit 1	0.00	14.12	0	0	0	Adani	43.00	917.78	1866	1696	1823	
Unit 2	3.79	88.52	180	125	160	Other_CPPs	18.19	400.55			705	
Unit 3	3.94	96.75	201	135	170	Total	83.99	1873.58			3452	
Unit 4	4.29	78.74	198	151	170	SOLAR						
Unit 5	9.44	197.57	496	340	350	Total	1.18	23.19				
Total	21.47	475.71			850	Total	1.18	23.19				
Nasik						Tata						
Unit 3	4.20	103.18	185	160	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.33	106.19	190	171	198	Trombay 5	11.12	252.84	502	316	500	
Unit 5	4.27	99.60	184	170	185	Trombay 6	4.64	99.73	319	151	500	
Total	12.79	308.96			573	Trombay 7A	2.41	63.90	123	78	120	
Uran						Trombay 7B	1.48	36.50	69	55	60	
All Units	10.27	272.70	433	385	440	Trombay 8	0.00	0.00	0	0	0	
Total	10.27	272.70			440	TATA Hydro	3.74	105.44	411	0	447	
PENCH (MS)						Total	23.38	558.40			1627	
Pench (MS)	0.15	4.08	27	0		REL						
Total	0.15	4.08				1&2	12.37	296.80	523	450	500	
Koyna						Total	12.37	296.80			500	
Stage 1-2	1.04	30.02	50	40	600	Cent Sect						
Stage 4	0.00	6.08	0	0	250	Share					4877	
Stage 3	0.40	9.20	110	0	240	Total					4877	
Koyna 12&4 Total	1.04	36.10			850	MS PG CL						
							Thermal	121.98	2807.83			4987
							Thml+Gas	132.25	3080.53			5427
							Hydro	3.64	114.03			1218
							Total	135.90	3194.56			6645
							State Total	300.98	6641.77			17101

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 24/Jun/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	4729	187	385	5301	1919	3517	0	4700	4732	-1154	-1134	14335	100	14435	2515	16950	49.95
2	4745	61	430	5236	1886	3399	0	4770	4496	-1048	-973	14044	87	14131	2297	16428	49.99
3	4750	66	430	5246	1825	3373	0	4459	4556	-946	-993	14007	87	14094	2181	16275	50.04
4	4759	61	430	5250	1799	3357	0	4382	4283	-922	-924	13765	87	13852	2095	15947	50.04
5	4670	71	432	5173	1805	3323	0	4391	4251	-922	-923	13629	132	13761	2044	15805	50.00
6	4748	71	430	5249	1835	3331	0	4435	4806	-966	-972	14249	219	14468	2075	16543	50.00
7	4998	66	432	5496	1765	3402	6	4515	4700	-1014	-866	14503	314	14817	2107	16924	49.94
8	5070	66	433	5569	1888	3491	32	4561	4649	-1061	-834	14795	474	15269	2192	17461	49.99
9	5113	96	427	5636	2017	3519	68	4706	4717	-1124	-1107	14850	355	15205	2495	17700	49.98
10	5189	261	428	5878	1933	3524	116	4790	4947	-1299	-1342	15056	299	15355	2876	18231	49.86
11	5237	303	427	5967	1816	3667	141	4952	4900	-1479	-1498	15004	514	15518	3147	18665	49.91
12	5332	313	427	6072	1826	3544	162	4924	4842	-1461	-1461	14992	622	15614	3224	18838	49.87
13	5565	120	430	6115	1840	3600	153	4813	4544	-1400	-1398	14854	461	15315	3215	18530	49.91
14	5590	108	427	6125	1859	3508	153	4670	4549	-1300	-1432	14762	319	15081	3163	18244	49.88
15	5565	134	426	6125	1904	3672	130	4826	4697	-1359	-1452	15076	249	15325	3215	18540	49.77
16	5249	309	428	5986	1954	3468	113	4842	5190	-1373	-1450	15261	268	15529	3231	18760	49.78
17	5114	299	431	5844	1917	3525	75	4557	4625	-1399	-1450	14536	275	14811	3175	17986	49.81
18	5060	128	432	5620	1873	3620	26	3963	3942	-1316	-1416	13682	124	13806	3105	16911	49.95
19	4972	138	431	5541	1855	3471	4	3806	3591	-1147	-1304	13181	93	13274	2954	16228	49.86
20	5027	133	428	5588	1761	3607	0	4485	4619	-1269	-1335	14267	105	14372	2909	17281	49.84
21	5050	193	430	5673	1630	3478	0	4731	4853	-1330	-1320	14341	120	14461	2828	17289	49.92
22	5145	181	430	5756	1580	3547	0	4636	4328	-1234	-1292	13946	99	14045	2757	16802	49.92
23	5158	140	432	5730	1781	3517	0	4631	4764	-1163	-1279	14524	145	14669	2710	17379	49.81
24	5150	137	432	5719	1752	3527	0	4642	4765	-1234	-1305	14461	167	14628	2696	17324	49.86
MUs	121.98	3.64	10.27	135.90	44.02	83.99	1.18	110.19	110.35	-28.92	-29.46	346.12	5.72	351.84	65.21	417.04	49.91

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 24/Jun/2014

Position as on 6.30 Hrs of 25/Jun/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	
Khaparkheda Unit 1	210	05/06/2014	04.59		Continued.	C.O.H.	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna Unit 12	80	23/06/2014	07.50		Continued.	AOH.	07/07/2014
Koyna ST-IV 2	250	23/06/2014	09.00		Continued.	AOH.	06/07/2014
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).	
Uran Unit 8	108	10/06/2014	08.42		Continued.	Gas Shortage.	
CPP Adani U-3	660	12/06/2014	03.02		Continued.	BLR T/L.	
CPP IPL U-2	270	16/06/2014	00.26		Continued.	Coal Shortage.	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP JSW (J) U2	300	18/06/2014	23.59		Continued.	Due to no schedule.	
Uran Unit A0	120	23/06/2014	11.55	24/06/2014	00.49	A1 Boiler H.P. Drum Pressure Low.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
Chandrapur Unit 5	500	23/06/2014	22.00	24/06/2014	06.05	Air Heater Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jun/2014

Position as on 6.30 Hrs of 25/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Talangde - Chikodi	24/06/2014	16.40	25/06/2014	05.01	Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	23/06/2014	16.38	24/06/2014	09.18	Over Voltage.
Dhule-Sar'Sarovar - I	23/06/2014	18.16	24/06/2014	06.41	Over Voltage.
Chakan-Talegaon(PG)	24/06/2014	06.21	24/06/2014	16.30	C T Sparking @ Talegaon(Line charged through Tie Breaker)
Talegaon PG- Aurangabad - II	24/06/2014	07.53		Continued.	To Control Loading on Talegaon PG-LNKND
Kolhapur - Mapusa - I	24/06/2014	18.22		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Talegaon (PG)	24/06/2014	03.46		Continued.	Flashover on Loc.No. 29 Y Phase Suspension at Talegaon
Kalwa - Talegaon (PGCIL)	24/06/2014	06.41	24/06/2014	18.49	Z-I B Ph, Auto Reclose Successful.
Padgha-Tarapur - II	24/06/2014	11.37	24/06/2014	12.43	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II @ New Koyna	23/06/2014	09.21	24/06/2014	10.19	For Retrofitting Work of Old NDR with Numerical Relay.
Auxiliary Bus @ Babaleshwar	23/06/2014	18.12		Continued.	Stub Bus Stringing of New Taptitabda Bays. (for 3 Days).
400/220KV, 315MVA ICT-I @ New Koyna.	24/06/2014	13.12	24/06/2014	22.45	For Retrofitting Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110 KV 200 MVA T/F - I @ Mudsinghi	07/06/2014	16.00		Continued.	Neutral problem(Kept on Humming)
Badnera-Akola-II	24/06/2014	07.09	24/06/2014	16.54	Replacement of Faulty Disc Insulator String.
Khaperkheda-Purti	24/06/2014	08.32	24/06/2014	18.55	Conversion of SSN to DSN.
Momewadi -Halkarni	24/06/2014	08.54	24/06/2014	13.23	For Replacement of Weak Insulator String.
Bhusawal-Chalisingaon-II	24/06/2014	09.50	24/06/2014	14.10	For Tightening of Loose Jumper.
Chandrapur-Warora	24/06/2014	10.52	24/06/2014	14.45	Hot Spot Attending on R Ph Wavetrap.
220/132 KV 100 MVA ICT - II @ Tulzapur	24/06/2014	11.30	24/06/2014	13.30	Quarterly Maintainence & Premonsoon Work.
220/132 KV,200 MVA ICT-II at Chikhli	24/06/2014	17.37	24/06/2014	18.20	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	21/06/2014	17.05	24/06/2014	08.29	Over Voltage
Karad - Kolhapur - II	23/06/2014	17.11		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/06/2014	17.40	24/06/2014	06.21	Over Voltage.
Karad-Kolhapur-II	24/06/2014	16.57		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/06/2014	20.52		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
Hinjewadi-I-Chinchwad	24/06/2014	07.37	24/06/2014	17.03	To Control C'wad-Urse Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Buldana	24/06/2014	17.35	24/06/2014	18.28	In View of 200MVA ICT @ Chikhli

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jun/2014

Position as on 6.30 Hrs of 25/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Under Outage.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - II	08/06/2014	00.53		Continued.	Distance Protection(Charged from Jalna end only at 21.00Hrs)
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)
Karad - Sadawaghapur - II	15/06/2014	20.49		Continued.	Distance Protection
Mudshingi-Talangade - I	24/06/2014	10.12	25/06/2014	04.14	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Gangakhed	24/06/2014	05.32	24/06/2014	05.49	Dist.Prot. B-E Fault.
Kardha-Sakoli	24/06/2014	11.59	24/06/2014	22.32	Backup O/C,E/F,Trip Ckt Faulty.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 25/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	
Unit 5	200	0	BHTGR/VEER	21	
Unit 6	210	140	BHIRA T.R.	80	40
Unit 7	210	160	RNGR+BHTSA	20	10
	620	300	BHANDARDRA	45	
Bhusawal			ELDARY	23	
Unit 2	210	135	SMLHY_PTIN	12	17
Unit 3	210	150	GHATGHAR	250	
Unit 4	500	350		611	137
Unit 5	500	320	Wind		
	1420	955	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	130	Kale	0	
Unit 5	210	135	Satara	0	
Unit 6	250	175	Shirala	0	
Unit 7	250	179	K Mahankal	0	
	1130	619	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	150	Dondaicha	0	
Unit 2	210	165	Sakri	0	
Unit 3	210	185	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	420		0	
Unit 7	500	0	CPP		
	2340	1580	JSW_JAIGAD	1200	824
Paras			WARDHA	405	100
Unit 3	250	200	Adani	2640	1823
Unit 4	250	250	Other_CPPs	300	705
	500	450		4545	3452
Khaparkheda			SOLAR		
Unit 1	210	0	Total	0	
Unit 2	210	160		0	
Unit 3	210	170	Tata		
Unit 4	210	170	Trombay 4	150	0
Unit 5	500	400	Trombay 5	500	500
	1340	900	Trombay 6	500	500
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	198	Trombay 8	250	0
Unit 5	210	185	TATA Hydro	444	447
	630	573		2024	1627
Uran			REL		
All Units	852	440	1&2	500	500
	852	440		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	4877
	53			3455	4877
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	10			
VTRNA	60	60			