



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jul/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.137	1712.599	1) Gujrat	1.706	-15.610
2) Hydro	4.839	80.135	2) Madhya Pradesh	11.061	237.284
3) Gas	9.627	160.708	3) Chattisgarh	6.430	123.120
Total MSGENCO	110.603	1953.442	4) Maharashtra Net	70.860	1330.958
B) 1) JSW JAIGAD	23.498	409.754	(Incl. 765kV Solapur-Raichur)	-0.386	-59.504
2) WPCL	4.028	49.454	5) Goa	-6.350	-103.185
3) ADANI	35.342	727.888	6) TAPS 1&2 Injection	7.242	115.980
4) Other CPP / IPP	15.733	286.783	7) RGPPL Injection	0.000	0.000
5) Wind Generation	35.343	494.182	8) Pench (Excess)	-0.207	-2.011
6) PENCH (MS)	0.207	2.011	# Total Cent. Sector	90.742	1686.536
7) SOLAR	0.501	13.372	F) Other Exchanges		
C) 1) TPCL Thermal	14.328	288.843	1) With TPCL (Excess)	-25.506	-393.650
2) TPCL Hydro	3.386	36.828	G) Bilateral Power *		
TOTAL TPCL	17.714	325.671	1) MSEDCL Bilateral	28.117	552.333
3) REL Thermal	11.881	180.698	Include PX	-0.194	122.057
D) STATE			2) MUMBAI Bilateral	26.037	401.322
1) Thermal (A1+C1+C3)	122.346	2182.140	Include PX	3.498	36.647
2) Hydro (A2+B6+C2)	8.432	118.974	3) MUMBAI Schedule	26.037	410.009
3) Gas (A3)	9.627	160.708	H) ENERGY CATERED (MUs)		
4) Wind (B5)	35.343	494.182	1) MSEDCL	290.491	5229.772
5) CPP/IPP (B1+B2+B3+B4)	78.601	1473.879	2) TPCL	35.218	570.616
6) SOLAR (B7)	0.501	13.372	3) REL	19.881	329.391
TOTAL STATE	254.850	4443.255	TOTAL STATE	345.590	6129.779

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3932	4067	4104
MSGENCO Hydro	427	162	41
MSGENCO Gas	397	397	405
MSGENCO Total Generation	4756	4626	4550
Central Sector Receipt	4811	4533	2356
WIND	1381	1646	1473
CPP / IPP	3353	3579	3104
SOLAR	63	0	0
Exchange with Mumbai	-1285	-1071	-694
MSEDCL DEMAND MET	13079	13338	10789
Load Shedding	51	54	51
MSEDCL DEMAND	13130	13392	10840
TPCL GENERATION	981	925	513
R-INFRA GENERATION	522	524	453
TPCL+R-INFRA DEMAND	2788	2520	1660
STATE DEMAND MET	15867	15858	12449
STATE DEMAND	15918	15912	12500
Frequency (Hz)	49.99	49.92	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 12:52 Hrs	49.54 Hz at 19:19 Hrs	49.96	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 16/Jul/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.14	38.35	155	100	150
Unit 7	3.40	59.86	155	120	148
Total	6.53	98.21			298
Bhusawal					
Unit 2	3.19	40.25	145	110	135
Unit 3	0.00	32.23	0	0	0
Unit 4	7.36	138.16	350	240	289
Unit 5	5.30	123.26	280	0	249
Total	15.86	333.89			673
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.74	43.90	162	146	155
Unit 6	4.40	71.66	191	158	186
Unit 7	4.54	72.24	196	185	189
Total	12.69	187.80			530
Chandrapur					
Unit 1	2.75	30.21	123	104	150
Unit 2	2.78	54.47	127	99	160
Unit 3	0.00	41.44	0	0	0
Unit 4	3.81	67.01	168	146	210
Unit 5	9.01	154.93	420	358	450
Unit 6	8.14	142.28	390	265	400
Unit 7	0.00	0.00	0	0	0
Total	26.49	490.34			1370
Paras					
Unit 3	3.77	66.23	178	143	170
Unit 4	0.00	43.12	0	0	0
Total	3.77	109.35			170
Khaparkheda					
Unit 1	3.58	27.49	160	140	160
Unit 2	3.60	58.24	160	130	160
Unit 3	3.60	56.60	160	139	170
Unit 4	3.55	47.92	159	141	170
Unit 5	8.42	138.44	385	315	350
Total	22.75	328.68			1010
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.07	61.34	179	162	198
Unit 5	3.98	61.42	174	161	190
Total	8.05	164.33			388
Uran					
All Units	9.63	160.71	410	389	430
Total	9.63	160.71			430
PENCH (MS)					
Pench (MS)	0.21	2.01	27	0	0
Total	0.21	2.01			0
Koyna					
Stage 1-2	1.22	25.56	190	40	600
Stage 4	0.05	0.63	49	0	250
Stage 3	1.86	11.52	240	0	320
Kovna 12&4 Total	1.26	26.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.12	37.70			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.51	8.23	61	0	61
TILLARI	0.00	1.38	0	0	62
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.48	1.76	41	0	40
RNGR+BHTSA	0.00	2.37	0	0	10
BHANDARDRA	0.14	1.41	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.10	3.29	11	1	10
GHATGHAR	0.49	19.85	125	0	0
Total	1.72	42.44			183
Wind					
MalharPeth	1.13	14.52			
Vankuswadi	1.05	26.38			
ATIT	0.34	3.65			
Kale	0.90	10.07			
Satara	20.98	225.53			
Shirala	1.09	12.48			
K Mahankal	0.23	1.48			
Supa	0.46	3.93			
Vita	5.90	50.88			
Dondaicha	0.71	94.02			
Sakri	0.20	13.10			
Nandurbar	0.06	10.23			
Khandke	1.99	14.32			
Khaparale	0.29	13.59			
Total	35.34	494.18			
CPP					
JSW JAIGAD	23.50	409.75	1039	924	1215
WARDHA	4.03	49.45	181	150	195
Adani	35.34	727.89	1740	1265	1846
Other CPPs	15.73	276.09			745
Total	78.60	1463.19			4001
SOLAR					
Total	0.50	13.37			
Total	0.50	13.37			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.09	177.69	498	317	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.81	39.75	126	23	120
Trombay 7B	1.43	23.59	70	0	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.39	36.83	376	0	447
Total	17.71	325.67			1127
REL					
1&2	11.88	180.70	524	453	500
Total	11.88	180.70			500
Cent Sect					
Share					4913
Total					4913
MS PG CL	Thermal	96.14	1712.60		4439
	Thml+Gas	105.76	1873.31		4869
	Hydro	4.84	80.14		1353
	Total	110.60	1953.44		6222
State Total		254.85	4443.26		16763

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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 SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4145	41	410	4596	1517	3075	0	3756	3301	-757	-838	11651	80	11731	1808	13539	50.09
2	4104	41	405	4550	1473	3104	0	2879	2356	-776	-694	10789	51	10840	1660	12500	49.97
3	4097	42	405	4544	1454	3071	0	2442	2606	-763	-633	11042	51	11093	1601	12694	49.95
4	4097	62	403	4562	1394	3098	0	2469	2796	-765	-616	11234	51	11285	1582	12867	50.07
5	4028	76	407	4511	1423	3211	0	2694	2743	-775	-627	11261	51	11312	1595	12907	50.06
6	4017	239	409	4665	1434	3261	0	3172	3290	-793	-726	11924	52	11976	1691	13667	50.06
7	3999	360	396	4755	1383	3296	0	3227	3740	-815	-846	12338	53	12391	1811	14202	49.93
8	4065	393	399	4857	1306	3609	12	3729	4127	-857	-1019	12905	53	12958	1987	14945	49.98
9	3990	388	401	4779	1340	3618	21	4305	3938	-1118	-1212	12484	52	12536	2339	14875	49.98
10	3989	450	402	4841	1402	3395	29	4732	4511	-1329	-1247	12931	51	12982	2612	15594	49.97
11	3932	427	397	4756	1381	3353	63	4556	4811	-1454	-1285	13079	51	13130	2788	15918	49.99
12	3942	174	405	4521	1441	3220	64	4436	3965	-1425	-1257	11954	52	12006	2812	14818	50.01
13	3969	189	406	4564	1446	3053	84	4135	4639	-1383	-1276	12510	106	12616	2794	15410	49.98
14	3983	212	398	4593	1377	3101	101	4065	3340	-1350	-1219	11293	55	11348	2696	14044	49.95
15	4018	83	404	4505	1423	3096	55	4244	4438	-1346	-1234	12283	55	12338	2711	15049	49.82
16	3983	82	410	4475	1393	3093	45	4085	4180	-1351	-1248	11951	54	12005	2713	14718	49.88
17	3732	284	400	4416	1709	3237	17	4086	3931	-1350	-1339	11998	54	12052	2727	14779	49.93
18	3817	104	395	4316	1610	3186	10	3824	4072	-1333	-1349	11872	55	11927	2697	14624	49.94
19	3944	232	389	4565	1520	3364	0	3684	4102	-1235	-1277	12301	54	12355	2649	15004	49.81
20	4024	131	399	4554	1576	3446	0	4197	4560	-1219	-1234	12929	54	12983	2607	15590	49.78
21	4067	162	397	4626	1646	3579	0	4379	4533	-1111	-1071	13338	54	13392	2520	15912	49.92
22	4105	188	395	4688	1540	3538	0	4369	3955	-1020	-1177	12561	54	12615	2391	15006	49.96
23	4069	196	399	4664	1575	3348	0	4256	3668	-915	-1061	12213	54	12267	2232	14499	49.94
24	4021	283	396	4700	1580	3249	0	3332	3140	-798	-1021	11650	54	11704	2078	13782	49.97
MUs	96.14	4.84	9.63	110.60	35.34	78.60	0.50	91.05	90.74	-26.04	-25.51	290.49	1.35	291.84	55.10	346.94	49.96

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/2014

Position as on 6.30 Hrs of 17/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
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
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 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.	
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	
CPP Adani U-4	660	10/07/2014	11.32		Continued.	Depletion in coal stock.	
Bhusawal Unit 3	210	11/07/2014	22.25		Continued.	Coal shortage.	
Paras Unit 4	250	12/07/2014	10.37		Continued.	Drum level low	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Chandrapur Unit 3	210	14/07/2014	22.05		Continued.	Super Heater safety Valve Repair work	
Uran Unit 6	108	15/07/2014	16.24		Continued.	Gas Shortage.	
Tata Trombay 7A	120	16/07/2014	08.11	16/07/2014	09.11	Fuel Gas Pressure High.	
Tata Trombay 7B	60	16/07/2014	08.11	16/07/2014	11.01	Fuel Gas Pressure High.	
Bhusawal Unit 5	500	16/07/2014	15.46	16/07/2014	17.57	Flame Failure.	
Bhusawal Unit 5	500	17/07/2014	02.12	17/07/2014	04.10	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2014

Position as on 6.30 Hrs of 17/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-II	14/07/2014	16.18	16/07/2014	09.23	Over Voltage
Kolhapur-Solapur(PGCIL)-I	16/07/2014	03.57	16/07/2014	09.03	Over Voltage.
Kolhapur-Mapusa-II	16/07/2014	23.06		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/07/2014	06.21		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/07/2014	20.42		Continued.	Distance Protection,RFC FROM15.7.14@14.33 hRS.
765 KV Seoni-Wardha-II	16/07/2014	03.01		Continued.	Over Voltage.
765KV Aurangabad PG-Wardha PG-I	16/07/2014	03.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	15/07/2014	23.58	16/07/2014	11.35	Distance Protection.
Mahalakshmi - Amona	16/07/2014	00.14	16/07/2014	01.17	Distance Protection.
Tillari-Halkarni.	17/07/2014	04.15		Continued.	Tripped @ Tillary. End.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Auxiliary Bus @ Babaleshwar	15/07/2014	15.25		Continued.	Stu Bus Stringing & Erection Work of 400KV End Bay.(3 Days Outage)
Parli - Lamboti	16/07/2014	10.29	16/07/2014	14.30	Replacement Work of Moving Contact B Ph Isolator Work.
Akola - Indiabull (Nandgaonpeth)	16/07/2014	12.07	17/07/2014	17.45	Attending Air Leakage.Line Will be in Service Through Tie Bay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand -Theur - II	09/07/2014	10.30		Continued.	C & R Panel Replacement,Taken on TBC 2 Days.
Chandrapur - Warora	16/07/2014	07.04	16/07/2014	18.18	OPGW Stringing Work(Earth Wire is in Broken Condition).
Uran - HOCL	16/07/2014	09.58	16/07/2014	17.48	CC Commissioning Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nasik - Ghatghar	16/07/2014	12.20	16/07/2014	15.53	Disc Replacement Work.
Nasik - Airoli - Knowledge Park	16/07/2014	16.27	16/07/2014	19.26	Disc Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	14/07/2014	16.10		Continued.	Over Voltage
Karad-Jaigad I	14/07/2014	17.07	16/07/2014	08.57	Over Voltage
Bhusawal- Aurangabad	14/07/2014	18.49		Continued.	Over Voltage
Karad - Kolhapur - I	15/07/2014	17.07	16/07/2014	08.53	Over Voltage.
Lonikand-Stage4	15/07/2014	22.45	16/07/2014	07.32	Over Voltage.
Karad - Kolhapur - II	16/07/2014	21.44		Continued.	Over Voltage.
Karad-Jaigad I	16/07/2014	21.47		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	16/07/2014	22.04		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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2014

Position as on 6.30 Hrs of 17/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola-II - Taptithanda	16/07/2014	03.52	16/07/2014	06.40	Over Voltage.
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.
Chandrapur - Warora - II.	15/07/2014	02.40		Continued.	Tripped at Warora end only
Karad-Wathar	15/07/2014	13.04	16/07/2014	00.51	DistanceProtection,Y Ph Cutpoint,Y Ph Jumper Broken.
Halkarni -Tillary	15/07/2014	23.58	16/07/2014	16.59	Distance Protection.
Nasik - Ghatghar	17/07/2014	01.15	17/07/2014	01.34	Tripped @ Ghatghar End.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Vashi - I	17/07/2014	05.52	17/07/2014	06.21	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	305
Unit 5	500	240
	1420	685
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	175
Unit 7	250	190
	1130	520
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1350
Paras		
Unit 3	250	152
Unit 4	250	0
	500	152
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	400
	1340	1060
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	430
	852	430
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	109
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	1200	1089
WARDHA	405	170
Adani	2640	1846
Other CPPs	300	645
	4545	3750
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4235
	3455	4235