



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Sep/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.004	1597.351	1) Gujrat	0.163	222.447
2) Hydro	8.574	311.176	2) Madhya Pradesh	16.129	339.276
3) Gas	9.605	173.423	3) Chattisgarh	9.900	168.170
Total MSGENCO	116.183	2081.950	4) Maharashtra	63.677	1158.794
B) 1) JSW JAIGAD	20.043	368.481	5) Goa	-4.776	-92.187
2) WPCL	7.618	124.847	6) TAPS 1&2 Injection	7.782	123.437
3) ADANI	28.070	431.660	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.871	208.425	8) Pench (Excess)	-0.077	-10.675
5) Wind Generation	5.431	103.384	# Total Cent. Sector	92.798	1909.262
6) PENCH (MS)	0.077	10.675	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.976	-319.537
1) TPCL Thermal	20.771	317.085	G) Bilateral Power *		
2) TPCL Hydro	4.465	94.606	1) MSEDCL Bilateral	13.268	318.066
TOTAL TPCL	25.236	411.691	Include PX	-0.813	91.138
3) REL Thermal	12.261	210.038	2) MUMBAI Bilateral	18.372	311.238
D) STATE			Include PX	4.234	77.006
1) Thermal (A1+C1+C3)	131.036	2124.474	3) MUMBAI Schedule	18.372	311.778
2) Hydro (A2+B5+C2)	13.116	416.457	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.605	173.423	1) MSEDCL	264.115	4919.147
4) Wind (B4)	5.431	103.384	2) TPCL	37.446	611.205
5) CPP (B1+B2+B3)	69.602	729.823	3) REL	20.026	330.102
TOTAL STATE	228.790	3547.561	TOTAL STATE	321.587	5860.454

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4141	3889	4103
MSGENCO Hydro	196	1500	369
MSGENCO Gas	395	445	166
MSGENCO Total Generation	4732	5834	4638
Central Sector Receipt	4302	4208	2608
WIND	218	235	198
CPP / IPP	2916	3103	2944
Exchange with Mumbai	-1167	-932	-514
MSEDCL DEMAND MET	11001	12471	9874
Load Shedding	53	55	53
MSEDCL DEMAND	11054	12526	9927
TPCL GENERATION	1224	1342	703
R-INFRA GENERATION	448	522	519
TPCL+R-INFRA DEMAND	2839	2796	1736
STATE DEMAND MET	13840	15267	11610
STATE DEMAND	13893	15322	11663
Frequency (Hz)	50.04	50.05	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 05:59 Hrs	49.55 Hz at 18:23 Hrs	50.03	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 17/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.59	31.12	140	77	120
Unit 6	2.59	35.47	141	71	105
Unit 7	0.00	0.00	0	0	0
Total	5.18	66.59			225
Bhusawal					
Unit 2	0.44	41.76	125	0	0
Unit 3	3.40	58.22	155	125	140
Unit 4	6.24	116.24	300	210	296
Unit 5	6.48	97.53	320	215	0
Total	16.55	313.75			436
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.67	54.65	163	137	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.56	75.74	211	146	200
Unit 7	3.98	74.62	213	134	200
Total	12.22	205.00			550
Chandrapur					
Unit 1	3.10	41.83	145	120	140
Unit 2	3.18	53.30	150	116	140
Unit 3	3.33	47.70	184	86	190
Unit 4	3.62	66.64	205	76	200
Unit 5	0.00	0.00	0	0	0
Unit 6	8.50	123.40	415	315	400
Unit 7	8.75	131.41	416	303	350
Total	30.48	464.27			1420
Paras					
Unit 3	4.00	78.82	193	150	160
Unit 4	4.52	76.69	216	164	200
Total	8.52	155.51			360
Khaparkheda					
Unit 1	2.97	56.42	160	95	160
Unit 2	2.88	21.48	150	50	160
Unit 3	3.50	56.17	162	126	160
Unit 4	3.54	61.04	188	122	190
Unit 5	0.00	0.00	0	0	0
Total	12.88	195.12			670
Nasik					
Unit 3	4.08	59.29	190	150	190
Unit 4	3.94	65.62	200	100	180
Unit 5	4.16	72.19	196	154	180
Total	12.18	197.10			550
Uran					
All Units	9.60	173.42	519	145	450
Total	9.60	173.42			450
PENCH (MS)					
Pench (MS)	0.08	10.68	23	0	0
Total	0.08	10.68			0
Koyna					
Stage 1-2	2.00	85.84	470	35	600
Stage 4	2.69	137.58	484	0	250
Stage 3	1.37	49.23	236	0	240
Kovna 12&4 Total	4.70	223.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.06	272.65			1090
Hydro					
KDPH	0.00	4.70	0	0	0
VTRNA	0.66	1.00	61	0	0
TILLARI	0.24	4.24	60	0	60
BHTGR/VEER	0.12	1.79	5	4	5
BHIRA T.R.	0.38	7.66	41	0	40
RNGR+BHTSA	0.40	3.80	17	16	15
BHANDARDRA	0.01	3.94	14	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.32	5.22	14	13	15
GHATGHAR	0.40	6.18	200	0	0
Total	2.51	38.53			135
Wind					
MalharPeth	0.22	3.92			
Vankuswadi	0.26	6.19			
ATIT	0.03	1.42			
Kale	0.19	2.47			
Satara	1.64	23.05			
Shirala	0.16	2.43			
K Mahankal	0.02	1.13			
Supa	0.18	1.79			
Vita	0.28	10.35			
Dondaicha	1.63	34.60			
Sakri	0.27	4.99			
Nandurbar	0.14	3.46			
Khandke	0.27	3.39			
Khaparale	0.16	4.19			
Total	5.43	103.38			
CPP					
JSW JAIGAD	20.04	368.48	896	757	775
WARDHA	7.62	124.85	325	301	320
Adani	28.07	431.66	1230	910	1234
Other CPPs	13.87	208.42			415
Total	69.60	1133.41			2744
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.28	197.79	503	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	3.08	16.21	132	125	120
Trombay 7B	1.40	4.81	73	0	60
Trombay 8	5.02	98.28	252	161	250
TATA Hydro	4.46	94.61	442	0	447
Total	25.24	411.69			1377
REL					
1&2	12.26	210.04	523	448	500
Total	12.26	210.04			500
Cent Sect					
Share					4816
Total					4816

MS PG CL	Thermal	98.00	1597.35			4211
	Thml+Gas	107.61	1770.77			4661
	Hydro	8.57	311.18			1225
	Total	116.18	2081.95			5886
State Total		228.79	3547.56			15323

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Sep/2013

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	4172	310	453	4935	200	2955	3611	3266	-548	-683	10673	82	10755	2069	12824	49.96
2	4180	239	451	4870	252	2970	3260	2956	-398	-588	10460	53	10513	1897	12410	50.07
3	4144	154	145	4443	264	2926	3220	3174	-358	-524	10283	53	10336	1793	12129	49.94
4	4103	369	166	4638	198	2944	3201	2608	-345	-514	9874	53	9927	1736	11663	50.10
5	4168	285	281	4734	199	2915	3501	3005	-427	-484	10369	53	10422	1719	12141	50.07
6	4084	364	323	4771	159	2978	3633	3495	-371	-512	10891	53	10944	1827	12771	50.09
7	4228	340	390	4958	106	2876	4082	3701	-453	-558	11083	53	11136	1942	13078	50.15
8	4309	281	404	4994	85	2962	4213	3857	-574	-695	11203	53	11256	2078	13334	50.16
9	4239	257	402	4898	69	2983	4378	4066	-758	-924	11092	53	11145	2319	13464	50.08
10	4281	262	404	4947	108	2998	4587	4283	-963	-1106	11230	53	11283	2606	13889	50.07
11	4205	200	397	4802	154	2979	4744	4190	-1074	-1106	11019	53	11072	2818	13890	50.05
12	4141	196	395	4732	218	2916	4705	4302	-1161	-1167	11001	53	11054	2839	13893	50.04
13	4047	82	395	4524	191	2690	4551	4486	-1129	-1124	10767	108	10875	2812	13687	50.00
14	4012	75	410	4497	280	2850	4187	4208	-1014	-1065	10770	55	10825	2754	13579	50.01
15	3975	140	411	4526	303	2975	4309	3967	-1052	-1019	10752	55	10807	2786	13593	50.03
16	4094	113	445	4652	349	2814	4517	4125	-1049	-1029	10911	55	10966	2778	13744	50.04
17	3911	139	519	4569	411	2574	4468	4341	-996	-1008	10887	55	10942	2756	13698	49.99
18	3878	156	495	4529	336	2496	4250	4270	-981	-952	10692	55	10747	2722	13469	49.90
19	3851	641	509	5001	378	2716	4052	4377	-841	-861	11632	55	11687	2732	14419	49.90
20	3889	1500	445	5834	235	3103	4052	4208	-883	-932	12471	55	12526	2796	15322	50.05
21	4030	1049	444	5523	297	3007	3942	4089	-797	-868	12068	55	12123	2674	14797	50.09
22	4105	655	443	5203	205	3082	3801	3955	-670	-683	11762	55	11817	2498	14315	50.03
23	4017	542	436	4995	251	2939	3984	4001	-757	-803	11383	55	11438	2347	13785	49.93
24	3941	225	442	4608	183	2954	3857	3868	-774	-771	10842	55	10897	2175	13072	50.03
MUs	98.00	8.57	9.60	116.18	5.43	69.60	97.10	92.80	-18.37	-19.98	264.12	1.38	265.49	57.47	322.97	50.03

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 17/Sep/2013

Position as on 6.30 Hrs of 18/Sep/2013

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	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		Continued.	Annual Overhaul	
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP Adani U1	660	10/09/2013	07.30		Continued.	BLR T/L.	
Uran Unit 8	108	13/09/2013	13.16		Continued.	Gas Shortage.	
Koyna Unit 3	75	16/09/2013	04.25	17/09/2013	16.15	Tripped	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
Uran Unit 5	108	17/09/2013	02.03	17/09/2013	03.38	Boiler Protection.	
Uran Unit 6	108	17/09/2013	02.03	17/09/2013	04.23	Boiler Protection.	
Uran Unit A0	120	17/09/2013	02.03	17/09/2013	06.41	Feed water pump failure.	
Bhusawal Unit 2	210	17/09/2013	03.54		Continued.	ID Fan Problem.	
Uran Unit 6	108	17/09/2013	19.17		Continued.	Gas Shortage	
Tata Trombay 7B	60	17/09/2013	21.45		Continued.	Economizer Steam Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2013

Position as on 6.30 Hrs of 18/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	09/09/2013	16.41		Continued.	Over Voltage.
Solapur-Solapur(PGCIL)	16/09/2013	16.00	17/09/2013	10.27	Over Voltage
Kolhapur-Solapur(PGCIL)-I	16/09/2013	18.42	17/09/2013	06.25	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/09/2013	15.45		Continued.	Over Voltage
Solapur - Solapur (PG)	17/09/2013	16.45		Continued.	Over Voltage
Dhule-S'Sarovar I	18/09/2013	22.47		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Talegaon - Talegaon (PGCIL)	16/09/2013	11.55	17/09/2013	06.58	To control Lonikand-Parli line.
Talegaon - Talegaon (PGCIL)	17/09/2013	14.21		Continued.	To control Lonikand-Parly line Loading
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	17/09/2013	00.17		Continued.	Over Voltage.
Parli - Solapur (PGCIL) - I	17/09/2013	00.34	17/09/2013	05.34	Over Voltage.
Kolhapur-Solapur (PG) II	17/09/2013	02.58	17/09/2013	08.49	Over Voltage.
Karad - Solapur (PGCIL)	17/09/2013	02.58	17/09/2013	08.41	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
220/132 KV 200 MVA ICT-II @ Boiser	12/09/2013	13.45		Continued.	CB Compressor Motor problem(Taken on TBC)
Kalwa-Mulund II	17/09/2013	08.16	17/09/2013	11.40	Hot Spot
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE II - CHDPR	16/09/2013	23.48	17/09/2013	01.44	Problem in valve cooling system
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
TBC Breaker @ Bhusawal	07/09/2013	22.38		Continued.	Y Phase Breaker Pole Stucked up, hence TBC Brkr Mechanically H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Dabhol - Nagothane - I	13/09/2013	22.58		Continued.	H/T O/V
Parli - Chandrapur - III	17/09/2013	22.31		Continued.	To control Parly-Lonikand Line Loading
Karad - Newkoyna - I	18/09/2013	01.54		Continued.	Over Voltage
Lonikand- Koyna Stage IV	18/09/2013	02.11		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2013

Position as on 6.30 Hrs of 18/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					in Grid, Handtripped @ Chikhali End Only.
Vasai - Bhoisor (PGCIL)	16/09/2013	19.35	17/09/2013	15.03	Over Voltage.
Ghatghar - Washala	17/09/2013	12.30	17/09/2013	18.44	Stringing of 220KV Ghatghar-Jindal line
Nalasopara-Boisar PGCIL 220 KV	17/09/2013	15.00		Continued.	Handtripped
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyana - I	07/09/2013	01.24		Continued.	Over Voltage.
Karad - Kolhapur - II	13/09/2013	23.58		Continued.	Trip DT send from Karad.
Karad-Jaigad I	15/09/2013	22.27		Continued.	Over Voltage
Karad - Kolhapur - I	16/09/2013	18.02		Continued.	Over Voltage.
Padgha - Nagothane - I	17/09/2013	04.15	17/09/2013	07.28	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV, 200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff. Protection
220/132 KV 100 MVA IBT @ Parli-I	14/09/2013	19.30		Continued.	Bus Bar Protection Operated Due to Bursting of R Ph. Parli-Ext.-II.
Ghatghar-Jindal	15/09/2013	13.35		Continued.	Distance Protection
Amalner-Deepnagar	15/09/2013	23.28		Continued.	Bus Bar Prot. Optd, R-Ph CT Burst. (Ckt Under Breakdown)
Padgha - Nalasopara	16/09/2013	18.35	17/09/2013	15.04	Dist Prot.
Pedambe - Mahad	17/09/2013	03.00	17/09/2013	10.50	Dist Prot.
Padgha - Nalasopara	17/09/2013	06.35	17/09/2013	15.06	Distance protection
Padgha-Wada	17/09/2013	06.35	17/09/2013	14.44	Distance protection
Vita - Lamboti	18/09/2013	02.36		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad-Jambazar	17/09/2013	05.10	17/09/2013	05.20	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	80
Unit 7	210	0
	620	205
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	323
Unit 5	500	0
	1420	463
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	0
Unit 6	250	205
Unit 7	250	195
	1130	555
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	375
Unit 7	500	375
	2340	1310
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	140
Unit 2	210	80
Unit 3	210	150
Unit 4	210	150
Unit 5	500	0
	1340	520
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	180
	630	550
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	120
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	778
WARDHA	405	320
Adani	1320	1234
Other CPPs	300	515
	3225	2847
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1317
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4390
	3455	4390