



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

18/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Sep/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.389	1612.086	1) Gujrat	9.120	25.033
2) Hydro	12.428	327.470	2) Madhya Pradesh	17.720	262.822
3) Gas	10.901	175.498	3) Chattisgarh	3.420	114.840
Total MSGENCO	123.718	2115.054	4) Maharashtra Net	101.732	1541.529
B) 1) JSW JAIGAD	26.625	475.234	(Incl. 765kV Solapur-Raichur)	-5.696	-77.503
2) WPCL	2.165	65.074	5) Goa	-6.729	-110.263
3) ADANI	28.590	259.063	6) TAPS 1&2 Injection	7.345	133.351
4) Other CPP / IPP	16.537	244.489	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.807	463.370	8) Pench (Excess)	-0.446	-10.812
6) PENCH (MS)	0.446	10.812	# Total Cent. Sector	132.162	1956.500
7) SOLAR	1.078	14.170	F) Other Exchanges		
C) 1) TPCL Thermal	15.530	264.079	1) With TPCL (Excess)	-27.238	-448.823
2) TPCL Hydro	3.593	79.685	G) Bilateral Power *		
TOTAL TPCL	19.123	343.764	1) MSEDCL Bilateral	29.986	404.191
3) REL Thermal	12.479	219.917	Include PX	6.290	-1.465
D) STATE			2) MUMBAI Bilateral	25.515	386.744
1) Thermal (A1+C1+C3)	128.398	2096.082	Include PX	0.482	70.203
2) Hydro (A2+B6+C2)	16.467	417.967	3) MUMBAI Schedule	25.634	391.371
3) Gas (A3)	10.901	175.498	H) ENERGY CATERED (MUs)		
4) Wind (B5)	10.807	463.370	1) MSEDCL	314.890	5154.943
5) CPP/IPP (B1+B2+B3+B4)	73.917	1043.860	2) TPCL	37.307	647.465
6) SOLAR (B7)	1.078	14.170	3) REL	21.533	365.026
TOTAL STATE	241.568	4210.947	TOTAL STATE	373.730	6167.434

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4196	4448	4173
MSGENCO Hydro	1130	675	86
MSGENCO Gas	454	454	450
MSGENCO Total Generation	5780	5577	4709
Central Sector Receipt	6387	5981	4384
WIND	175	240	535
CPP / IPP	3096	3126	2932
SOLAR	148	138	0
Exchange with Mumbai	-1418	-1451	-685
MSEDCL DEMAND MET	14168	13637	11901
Load Shedding	54	55	51
MSEDCL DEMAND	14222	13692	11952
TPCL GENERATION	1051	887	535
R-INFRA GENERATION	523	520	521
TPCL+R-INFRA DEMAND	2992	2858	1741
STATE DEMAND MET	17160	16495	13642
STATE DEMAND	17214	16550	13693
Frequency (Hz)	49.80	49.92	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 18.01 Hrs	49.54 Hz at 19.08 Hrs	49.9	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 18/Sep/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	8.90	246.97			1170	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	3.29	50.31	160	120	170	KDPH	0.00	7.40	0	0	0	
Unit 7	0.00	44.25	0	0	0	VTRNA	0.00	11.49	0	0	0	
Total	3.29	94.55			170	TILLARI	0.47	10.77	65	0	65	
Bhusawal						BHTGR/VEER	0.10	2.62	5	4	5	
Unit 2	0.00	8.92	0	0	0	BHIRA T.R.	0.18	6.75	80	0	80	
Unit 3	2.91	24.14	140	110	125	RNGR+BHTSA	0.00	0.61	0	0	0	
Unit 4	0.00	0.00	0	0	0	BHANDARDRA	0.00	5.39	0	0	0	
Unit 5	8.38	155.63	420	300	450	ELDARY	0.00	0.00	0	0	0	
Total	11.28	188.70			575	SMLHY_PTN	0.94	20.06	47	36	11	
Parli						GHATGHAR	1.82	15.42	250	0	0	
Unit 3	0.00	0.00	0	0	0	Total	3.52	80.50			161	
Unit 4	0.00	0.00	0	0	0	Wind						
Unit 5	3.79	61.66	163	152	160	MalharPeth	0.38	14.22				
Unit 6	5.51	86.62	250	171	210	Vankuswadi	0.44	23.31				
Unit 7	5.34	79.92	250	168	220	ATIT	0.08	3.03				
Total	14.63	228.20			590	Kale	0.16	9.51				
Chandrapur						Satara	4.14	217.51				
Unit 1	0.00	0.00	0	0	0	Shirala	0.30	13.01				
Unit 2	0.00	45.37	0	0	0	K Mahankal	0.02	1.52				
Unit 3	2.86	35.29	149	96	125	Supa	0.08	7.98				
Unit 4	3.32	53.47	160	114	140	Vita	0.87	45.34				
Unit 5	8.35	74.36	400	270	350	Dondaicha	2.79	73.60				
Unit 6	7.44	87.01	350	235	300	Sakri	0.40	11.27				
Unit 7	7.66	114.99	359	280	350	Nandurbar	0.58	13.25				
Total	29.63	410.48			1265	Khandke	0.25	16.30				
Paras						Khaparale	0.32	13.52				
Unit 3	4.39	37.32	196	168	180	Total	10.81	463.37				
Unit 4	4.16	80.41	200	107	210	CPP						
Total	8.55	117.73			390	JSW_JAIGAD	26.62	475.23	1204	898	1099	
Khaparkheda						WARDHA	2.16	65.07	92	88	89	
Unit 1	3.38	45.96	150	130	153	Adani	28.59	259.06	1230	1140	1234	
Unit 2	3.16	61.22	145	110	153	Other_CPPs	16.54	244.49			675	
Unit 3	3.50	67.82	152	140	153	Total	73.92	1043.86			3097	
Unit 4	3.50	65.15	158	140	153	SOLAR						
Unit 5	7.39	129.61	330	276	329	Total	1.08	14.17				
Total	20.93	369.77			941	Total	1.08	14.17				
Nasik						Tata						
Unit 3	4.06	69.43	195	160	162	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.00	60.73	185	159	162	Trombay 5	11.55	156.06	503	319	500	
Unit 5	4.01	72.50	192	159	172	Trombay 6	0.00	36.25	0	0	0	
Total	12.07	202.66			496	Trombay 7A	2.47	44.50	115	79	120	
Uran						Trombay 7B	1.51	27.27	67	55	60	
All Units	10.90	175.50	462	447	465	Trombay 8	0.00	0.00	0	0	0	
Total	10.90	175.50			465	TATA Hydro	3.59	79.68	367	0	447	
PENCH (MS)						Total	19.12	343.76			1127	
Pench (MS)	0.45	10.81	27	0		REL						
Total	0.45	10.81				1&2	12.48	219.92	523	505	500	
Koyna						Total	12.48	219.92			500	
Stage 1-2	2.12	76.12	380	40	600	Cent Sect						
Stage 4	5.20	119.68	676	0	250	Share					6003	
Stage 3	1.59	51.16	240	0	320	Total					6003	
Koyna 12&4 Total	7.31	195.80			850	MS PG CL						
							Thermal	100.39	1612.09			4427
							Thml+Gas	111.29	1787.58			4892
							Hydro	12.43	327.47			1331
							Total	123.72	2115.05			6223
							State Total	241.57	4210.95			16950

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 18/Sep/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	4368	131	449	4948	523	2960	0	4568	4907	-795	-822	12523	78	12601	2066	14667	49.93
2	4245	106	449	4800	515	2917	0	4672	4755	-713	-728	12259	51	12310	1898	14208	49.94
3	4192	81	449	4722	539	2886	0	4741	4675	-628	-628	12194	51	12245	1782	14027	49.94
4	4173	86	450	4709	535	2932	0	4683	4384	-614	-685	11901	51	11952	1741	13693	49.86
5	4147	81	457	4685	589	2906	0	4652	4560	-599	-754	12012	51	12063	1728	13791	49.84
6	4149	86	456	4691	585	2919	0	4909	5019	-705	-792	12448	53	12501	1830	14331	49.85
7	4133	242	462	4837	514	3022	7	5277	5729	-797	-833	13300	53	13353	1964	15317	49.79
8	4122	795	458	5375	438	3082	36	5468	5494	-939	-961	13488	55	13543	2112	15655	49.93
9	4168	891	455	5514	334	3111	77	5854	5913	-1214	-1209	13762	55	13817	2399	16216	49.94
10	4232	850	454	5536	308	3040	113	6305	6292	-1285	-1439	13877	52	13929	2807	16736	49.95
11	4197	873	450	5520	269	3095	139	6336	6484	-1412	-1436	14084	52	14136	2982	17118	49.88
12	4196	1130	454	5780	175	3096	148	6145	6387	-1466	-1418	14168	54	14222	2992	17214	49.80
13	4312	872	456	5640	136	3082	115	5920	6124	-1401	-1443	13668	107	13775	2988	16763	49.93
14	4454	641	454	5549	133	3150	130	5686	5860	-1310	-1355	13494	56	13550	2841	16391	49.92
15	4448	675	454	5577	240	3126	138	5888	5981	-1294	-1451	13637	55	13692	2858	16550	49.92
16	4211	611	447	5269	392	3180	95	6042	5976	-1294	-1445	13493	52	13545	2827	16372	49.93
17	4148	510	448	5106	505	3158	61	5692	5879	-1286	-1413	13322	52	13374	2825	16199	49.90
18	4160	134	450	4744	585	3186	18	5218	5434	-1278	-1445	12522	55	12577	2826	15403	49.98
19	4143	498	462	5103	554	3141	1	5225	5576	-1235	-1297	13091	55	13146	2811	15957	49.88
20	4084	1212	460	5756	615	3164	0	5365	5363	-1147	-1228	13694	56	13750	2798	16548	49.80
21	4056	755	460	5271	658	3212	0	5535	5715	-1070	-1206	13674	53	13727	2649	16376	49.95
22	4081	578	458	5117	586	3197	0	5083	5212	-1027	-1079	13057	53	13110	2530	15640	49.93
23	4018	469	448	4935	529	3158	0	5181	5127	-1114	-1146	12627	53	12680	2360	15040	49.88
24	3952	121	461	4534	550	3197	0	5554	5316	-1009	-1025	12595	53	12648	2226	14874	49.92
MUs	100.39	12.43	10.90	123.72	10.81	73.92	1.08	130.00	132.16	-25.63	-27.24	314.89	1.36	316.25	58.84	375.09	49.90

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 18/Sep/2014

Position as on 6.30 Hrs of 19/Sep/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	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	
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.	economic shutdown	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	BTL	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
Koradi Unit 7	210	15/09/2014	11.22	18/09/2014	23.43	Coal mill problem.	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP Adani U1	660	16/09/2014	02.01		Continued.	Turbine Vibration.	
Chandrapur Unit 2	210	17/09/2014	22.34		Continued.	Boiler Tube Leakage	
Koyna Unit 8	80	18/09/2014	10.30		Continued.	Leakage Work.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2014

Position as on 6.30 Hrs of 19/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	18/09/2014	08.29	18/09/2014	20.05	Maintenace work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	16/09/2014	16.50	18/09/2014	09.49	Over Voltage
Kolhapur - Mapusa - II	18/09/2014	17.33		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - II - Parli - I	18/09/2014	09.06	18/09/2014	19.28	insulator replcement work.
80 MVAR Reactor-II at BBLSR	18/09/2014	09.40		Continued.	To Open 400kv M.B 1 Jumpers Between 315 mva ICT-2 and 80 MVAR Reactor-2.
TBC Bay - I @ Chandrapur	18/09/2014	11.21		Continued.	Capatial overhauling of ckt.bkr.
400/220KV 315MVA ICT-II @ BBLSR	18/09/2014	11.42	18/09/2014	18.19	To Open 400kv M.B 1 Jumpers Between 315 mva ICT-2 and 80 MVAR Reactor-2.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand -Theur - II	18/09/2014	07.05	18/09/2014	18.50	Line shifting work from lonikand 2 to lonikand 1.
Khaperkheda-Purti	18/09/2014	07.42		Continued.	Connection of Jumper.
Hinganghat-Bhugaon	18/09/2014	07.54	18/09/2014	20.27	Replacement of AUX Isolator bye new Insolatoee
Pedambe -Nerale	18/09/2014	08.15	18/09/2014	11.40	to attend cut & unwoundy-ph cond. vertical jumper.
Usmanabad-Barshi	18/09/2014	08.52	18/09/2014	10.46	Measurement of Tan Delta Of CT.
Babaleshwar - Ranjangaon	18/09/2014	09.04	18/09/2014	18.40	missing earth wire stringing work.
Lonikand - VSNL	18/09/2014	09.52	18/09/2014	17.35	shifting of wiring from take off to first tower in place of existing theur-2 ckt.
Khaparkheda New - Khaparkheda Old - I	18/09/2014	10.12	18/09/2014	13.02	To Attend Hot Spot and Tan Delta Meassurement.
Jejuri-Jejuri I	18/09/2014	10.26	18/09/2014	15.07	A.M.Work.
Parli-Murud	18/09/2014	10.51	18/09/2014	16.16	Emergency Outage.
Usmanabad-Paranda	18/09/2014	10.53	18/09/2014	12.19	Measurement of Tan Delta Of CT.
Usmanabad --Bale	18/09/2014	12.25	18/09/2014	14.39	Measurement of Tan Delta Of CT.
Khaparkheda New - Khaparkheda Old - II	18/09/2014	13.38	18/09/2014	18.25	B Ph Ct Tan Delta Measurement, toAttend Red Hot Spot Y Ph CT Clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/09/2014	17.37		Continued.	Over Voltage
Karad-Kolhapur-II	17/09/2014	16.38	18/09/2014	09.08	Over Voltage
Dabhol - Nagothane - I	18/09/2014	01.23		Continued.	Over Voltage
Karad-Jaigad I	18/09/2014	01.28	18/09/2014	10.30	Over Voltage
Karad-Kolhapur-II	18/09/2014	16.36		Continued.	Over Voltage.
Karad-Jaigad I	18/09/2014	20.03		Continued.	Over Voltage
Lonikand- Koyna Stage IV	19/09/2014	00.28	19/09/2014	06.24	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	18/09/2014	10.36	18/09/2014	18.24	For BBLSR ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2014

Position as on 6.30 Hrs of 19/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV					Outage Type TRIPPED
Lonikand - Parli - I	17/09/2014	17.35	18/09/2014	06.31	Distance Protection
Voltage Level : 220KV					Outage Type TRIPPED
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.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 19/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	65
Unit 5	200	0	BHTGR/VEER	21	6
Unit 6	210	170	BHIRA T.R.	80	80
Unit 7	210	150	RNGR+BHTSA	20	0
	620	320	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTIN	12	10
Unit 3	210	125	GHATGHAR	250	0
Unit 4	500	0		611	161
Unit 5	500	450	Wind		
	1420	575	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	160	Satara	0	
Unit 6	250	200	Shirala	0	
Unit 7	250	200	K Mahankal	0	
	1130	560	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	0	Sakri	0	
Unit 3	210	130	Nandurbar	0	
Unit 4	210	150	Khandke	0	
Unit 5	500	400	Khaparale	0	
Unit 6	500	320		0	
Unit 7	500	300	CPP		
	2340	1300	JSW_JAIGAD	1200	1100
Paras			WARDHA	405	89
Unit 3	250	180	Adani	2640	1234
Unit 4	250	125	Other_CPPs	300	626
	500	305		4545	3049
Khaparkheda			SOLAR		
Unit 1	210	170	Total	0	
Unit 2	210	170		0	
Unit 3	210	170	Tata		
Unit 4	210	170	Trombay 4	150	0
Unit 5	500	350	Trombay 5	500	500
	1340	1030	Trombay 6	500	0
Nasik			Trombay 7A	120	120
Unit 3	210	172	Trombay 7B	60	60
Unit 4	210	172	Trombay 8	250	0
Unit 5	210	172	TATA Hydro	444	447
	630	516		2024	1127
Uran			REL		
All Units	852	465	1&2	500	500
	852	465		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53	0	Share	3455	5701
	53	0		3455	5701
Koyna					
Stage 1-2	600	530			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1100			
Hydro					
KDPH	40	0			
VTRNA	60	0			