



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Nov/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.559	965.160	1) Gujrat	9.613	64.477
2) Hydro	5.477	70.628	2) Madhya Pradesh	14.004	147.709
3) Gas	10.059	89.636	3) Chattisgarh	8.450	86.610
Total MSGENCO	129.095	1125.424	4) Maharashtra Net	89.056	895.170
B) 1) JSW JAIGAD	26.389	213.830	(Incl. 765kV Solapur-Raichur)	-11.451	-86.977
2) WPCL	2.552	23.249	5) Goa	-6.581	-62.777
3) ADANI	55.760	511.900	6) TAPS 1&2 Injection	3.637	30.454
4) Other CPP / IPP	19.296	169.811	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.150	57.234	8) Pench (Excess)	-0.408	-5.935
6) PENCH (MS)	0.408	5.935			
7) SOLAR	1.002	9.294	# Total Cent. Sector	117.771	1155.708
C) 1) TPCL Thermal	17.594	161.165	F) Other Exchanges		
2) TPCL Hydro	0.984	29.421	1) With TPCL (Excess)	-18.603	-199.320
TOTAL TPCL	18.578	190.586	G) Bilateral Power *		
3) REL Thermal	11.336	109.180	1) MSEDCL Bilateral	28.585	309.160
D) STATE			Include PX	2.458	83.423
1) Thermal (A1+C1+C3)	142.489	1235.505	2) MUMBAI Bilateral	16.690	192.529
2) Hydro (A2+B6+C2)	6.869	105.984	Include PX	2.833	30.357
3) Gas (A3)	10.059	89.636	3) MUMBAI Schedule	16.690	192.590
4) Wind (B5)	8.150	57.234	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	103.997	918.790	1) MSEDCL	341.820	3073.065
6) SOLAR (B7)	1.002	9.294	2) TPCL	29.209	302.298
TOTAL STATE	272.566	2416.443	3) REL	19.311	196.909
			TOTAL STATE	390.340	3572.272

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5204	5197	4611
MSGENCO Hydro	208	208	397
MSGENCO Gas	406	404	360
MSGENCO Total Generation	5818	5809	5368
Central Sector Receipt	5505	5703	4358
WIND	571	347	392
CPP / IPP	4478	4445	4266
SOLAR	163	131	0
Exchange with Mumbai	-779	-735	-675
MSEDCL DEMAND MET	15768	15717	13716
Load Shedding	454	662	67
MSEDCL DEMAND	16222	16379	13783
TPCL GENERATION	883	868	671
R-INFRA GENERATION	454	456	455
TPCL+R-INFRA DEMAND	2116	2059	1801
STATE DEMAND MET	17884	17776	15517
STATE DEMAND	18338	18438	15584
Frequency (Hz)	50.02	50.00	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 22:00 Hrs	49.74 Hz at 09:15 Hrs	49.97	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 09/Nov/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	3.32	30.88	156	120	120
Unit 7	3.81	32.64	175	109	150
Total	7.13	63.51			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	8.00	72.12	470	295	300
Unit 5	7.62	39.26	370	295	350
Total	15.62	111.38			650
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	32.90	160	148	155
Unit 6	3.42	40.40	195	0	190
Unit 7	4.80	39.96	216	189	198
Total	11.89	113.27			543
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.52	30.16	151	137	150
Unit 3	3.50	32.04	162	119	160
Unit 4	3.95	35.52	194	147	165
Unit 5	8.13	69.82	435	291	300
Unit 6	7.67	66.58	395	286	300
Unit 7	6.99	64.73	347	252	300
Total	33.76	298.85			1375
Paras					
Unit 3	4.72	42.02	244	180	180
Unit 4	4.62	40.82	230	179	180
Total	9.34	82.84			360
Khaparkheda					
Unit 1	3.98	35.36	170	160	180
Unit 2	3.94	34.70	175	150	170
Unit 3	4.10	37.19	177	162	170
Unit 4	4.08	37.29	174	161	180
Unit 5	9.81	51.25	500	361	400
Total	25.90	195.79			1100
Nasik					
Unit 3	4.08	36.16	195	165	190
Unit 4	3.97	35.73	182	158	190
Unit 5	1.86	27.62	168	0	190
Total	9.91	99.52			570
Uran					
All Units	10.06	89.64	458	360	460
Total	10.06	89.64			460
PENCH (MS)					
Pench (MS)	0.41	5.94	26	7	0
Total	0.41	5.94			0
Koyna					
Stage 1-2	1.64	21.58	305	40	530
Stage 4	0.00	11.92	0	0	250
Stage 3	0.49	7.35	160	0	240
Kovna 12&4 Total	1.64	33.49			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.12	40.84			1020
Hydro					
KDPH	0.45	2.54	19	18	18
VTRNA	1.11	7.15	61	0	60
TILLARI	0.39	3.34	64	0	64
BHTGR/VEER	0.09	0.78	4	3	4
BHIRA T.R.	0.17	1.76	41	0	80
RNGR+BHTSA	0.00	0.71	0	0	0
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.33	2.39	15	11	15
SMLHY PTN	0.82	3.85	41	30	19
GHATGHAR	0.00	6.47	0	0	0
Total	3.36	29.78			260
Wind					
MalharPeth	0.17	1.81			
Vankuswadi	0.46	3.46			
ATIT	0.06	0.42			
Kale	0.13	1.72			
Satara	4.13	31.05			
Shirala	0.19	1.96			
K Mahankal	0.01	0.18			
Supa	0.07	0.62			
Vita	0.74	7.31			
Dondaicha	1.12	3.15			
Sakri	0.21	0.59			
Nandurbar	0.32	2.21			
Khandke	0.20	1.27			
Khaparale	0.34	1.48			
Total	8.15	57.23			
CPP					
JSW JAIGAD	26.39	213.83	1161	1016	1143
WARDHA	2.55	23.25	128	92	110
Adani	55.76	511.90	2440	1850	2315
Other CPPs	19.30	169.81			745
Total	104.00	918.79			4313
SOLAR					
Total	1.00	9.29			
Total	1.00	9.29			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.27	86.56	497	314	500
Trombay 6	3.75	33.65	157	156	500
Trombay 7A	2.93	26.21	127	113	120
Trombay 7B	1.65	14.75	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.98	29.42	112	0	447
Total	18.58	190.59			1627
REL					
1&2	11.34	109.18	523	452	500
Total	11.34	109.18			500
Cent Sect					
Share					5681
Total					5681
MS PG CL	Thermal	113.56	965.16		4868
	Thml+Gas	123.62	1054.80		5328
	Hydro	5.48	70.63		1280
	Total	129.10	1125.42		6608
State Total		272.57	2416.44		18729

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Nov/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	4605	388	382	5375	539	3753	0	4557	4862	-761	-942	13613	85	13698	2093	15791	49.89
2	4602	522	371	5495	456	3965	0	4489	4532	-729	-773	13685	67	13752	1920	15672	49.89
3	4611	397	360	5368	392	4266	0	4462	4358	-702	-675	13716	67	13783	1801	15584	49.83
4	4633	287	392	5312	351	4317	0	4451	4390	-691	-592	13801	67	13868	1725	15593	49.91
5	4638	146	445	5229	343	4341	0	4952	4875	-691	-568	14243	121	14364	1689	16053	49.96
6	4756	121	452	5329	379	4297	0	5348	5246	-712	-560	14711	197	14908	1737	16645	49.94
7	4779	124	458	5361	441	4283	0	5372	5390	-676	-568	14919	221	15140	1756	16896	49.98
8	4780	166	453	5399	392	4324	15	4902	4713	-638	-583	14283	226	14509	1774	16283	50.00
9	4748	168	445	5361	365	4153	88	4878	4757	-654	-697	14052	222	14274	1850	16124	49.95
10	4721	287	435	5443	526	4048	105	5421	5685	-702	-836	14994	211	15205	1973	17178	49.94
11	4748	258	425	5431	807	4260	112	5489	5415	-715	-856	15192	195	15387	2093	17480	49.99
12	4717	272	430	5419	730	4502	153	5735	5920	-725	-766	15970	185	16155	2122	18277	50.03
13	5204	208	406	5818	571	4478	163	5748	5505	-731	-779	15768	454	16222	2116	18338	50.02
14	5197	208	404	5809	347	4445	131	5669	5703	-730	-735	15717	662	16379	2059	18438	50.00
15	5186	192	405	5783	135	4510	124	5785	6011	-732	-685	15898	493	16391	2041	18432	50.00
16	4660	166	402	5228	100	4512	68	5736	5920	-731	-645	15206	424	15630	2027	17657	49.96
17	4498	166	410	5074	104	4393	39	5099	4800	-689	-616	13814	389	14203	2023	16226	49.88
18	4562	173	412	5147	85	4524	4	4636	4954	-636	-625	14100	195	14295	2041	16336	49.97
19	4646	240	418	5304	168	4490	0	5097	4868	-629	-937	13903	78	13981	2288	16269	50.10
20	4677	242	431	5350	152	4443	0	4865	5014	-565	-1065	13904	74	13978	2327	16305	50.06
21	4680	242	433	5355	240	4419	0	4372	4112	-563	-1022	13115	69	13184	2313	15497	49.99
22	4650	173	433	5256	239	4423	0	3892	3957	-730	-965	12929	65	12994	2286	15280	50.10
23	4660	164	428	5252	138	4435	0	3933	3222	-797	-1029	12029	65	12094	2258	14352	49.98
24	4601	167	429	5197	150	4416	0	3960	3562	-759	-1084	12258	65	12323	2205	14528	50.02
MUs	113.56	5.48	10.06	129.10	8.15	104.00	1.00	118.85	117.77	-16.69	-18.60	341.82	4.90	346.72	48.52	395.23	49.97

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 09/Nov/2014

Position as on 6.30 Hrs of 10/Nov/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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-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	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	poor coal receipt	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
CPP Adani U-4	660	08/11/2014	00.07		Continued.	Heavy Leakage in In intermediate header drain.	
Nasik Unit 5	210	09/11/2014	11:35		Continued.	E.Tube Leakage.	
Parli Unit 6	250	09/11/2014	12.23	09/11/2014	17.03	High Furnace Pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Nov/2014

Position as on 6.30 Hrs of 10/Nov/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		
Dhule-Sar'Sarovar - I	08/11/2014	17.40	09/11/2014	09.39	Over Voltage.
Kolhapur - Mapusa - II	08/11/2014	20.57	09/11/2014	10.42	Over Voltage.
Kolhapur - Mapusa - I	09/11/2014	16.16		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Kharghar - Trombay	09/11/2014	11.03	09/11/2014	11.14	Distance Protection form Trombay End.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/15.75KV 240MVA GT VII at Koradi	28/10/2014	11.30		Continued.	Erection of new bus post insulator,DCRM.bay maint.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
400/220KV,500MVA ICT-III At Kalwa.	09/11/2014	07.02	09/11/2014	13.05	To Attend Hot Spot@ B Ph CT 220KV Side.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Kalwa	05/11/2014	06.57	05/11/2014	Continued.	Construction Work.(6 days.)
Kalwa - Taloja	05/11/2014	07.00		Continued.	Construction Work.(6 days.)
Bus section - II @ Chinchwad	09/11/2014	00.15	09/11/2014	04.30	Replacement of Isolator
220/100KV,100MVA ICT-II at Vasai	09/11/2014	06.27	09/11/2014	10.15	To Carry out Diagnostic Tests.
Dahanu-Versova	09/11/2014	07.50	09/11/2014	10.17	V D Replacement Work.
Kharghar-Nerul	09/11/2014	07.56	09/11/2014	18.10	Line Maintenance Work.
Bus Coupler @ Varsoa	09/11/2014	10.24	09/11/2014	15.15	R.M.Work.
Babaleshwar - Babaleshwar - I	09/11/2014	16.16	09/11/2014	19.15	C T Oil Top up.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	08/11/2014	16.05	09/11/2014	08.26	Over Voltage.
Bhusawal- Aurangabad	08/11/2014	19.46	09/11/2014	06.07	Over Voltage.
Karad-Jaigad I	08/11/2014	20.48	09/11/2014	08.33	Over Voltage.
Lonikand- Koyna Stage IV	08/11/2014	22.04	09/11/2014	06.12	Over Voltage.
Kolhapur-Karad -I	09/11/2014	15.38		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/11/2014	18.04	10/11/2014	06.36	Over Voltage.
Karad-Jaigad I	09/11/2014	20.45		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	09/11/2014	23.05	10/11/2014	05.30	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Chalishaon-BSL-I	09/11/2014	03.00	09/11/2014	03.16	Distance Protection Operated Z-I.
Nerul -Sonkhar	09/11/2014	11.03	09/11/2014	11.26	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	160
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	320
Unit 5	500	320
	1420	640
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	180
Unit 7	250	190
	1130	525
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1375
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	180
Unit 5	500	420
	1340	1130
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	10
SMLHY PTN	12	14
GHATGHAR	250	0
	611	210
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	1090
WARDHA	405	110
Adani	2640	2420
Other CPPs	300	793
	4545	4413
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6200
	3455	6200

	21940	19150
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