



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Nov/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.603	851.601	1) Gujrat	10.533	54.864
2) Hydro	5.149	65.151	2) Madhya Pradesh	14.745	133.705
3) Gas	9.694	79.577	3) Chattisgarh	8.910	78.160
Total MSGENCO	131.446	996.329	4) Maharashtra Net	96.293	806.114
B) 1) JSW JAIGAD	25.852	187.441	(Incl. 765kV Solapur-Raichur)	-11.113	-75.526
2) WPCL	2.632	20.697	5) Goa	-7.263	-56.196
3) ADANI	52.760	456.140	6) TAPS 1&2 Injection	3.608	26.817
4) Other CPP / IPP	19.229	150.515	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.625	49.084	8) Pench (Excess)	-0.572	-5.527
6) PENCH (MS)	0.572	5.527	# Total Cent. Sector	126.254	1037.937
7) SOLAR	0.960	8.292	F) Other Exchanges		
C) 1) TPCL Thermal	17.277	143.571	1) With TPCL (Excess)	-23.173	-180.717
2) TPCL Hydro	3.166	28.437	G) Bilateral Power *		
TOTAL TPCL	20.443	172.008	1) MSEDCL Bilateral	33.275	280.574
3) REL Thermal	11.541	97.844	Include PX	7.072	80.965
D) STATE			2) MUMBAI Bilateral	21.481	175.839
1) Thermal (A1+C1+C3)	145.421	1093.016	Include PX	3.736	27.524
2) Hydro (A2+B6+C2)	8.887	99.115	3) MUMBAI Schedule	21.481	175.900
3) Gas (A3)	9.694	79.577	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.625	49.084	1) MSEDCL	346.157	2731.245
5) CPP/IPP (B1+B2+B3+B4)	100.473	814.793	2) TPCL	33.462	273.089
6) SOLAR (B7)	0.960	8.292	3) REL	21.710	177.598
TOTAL STATE	275.060	2143.877	TOTAL STATE	401.329	3181.932

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5116	5683	4607
MSGENCO Hydro	328	206	187
MSGENCO Gas	362	402	408
MSGENCO Total Generation	5806	6291	5202
Central Sector Receipt	6830	6478	4493
WIND	662	302	394
CPP / IPP	4279	4284	4188
SOLAR	131	112	0
Exchange with Mumbai	-1302	-1225	-741
MSEDCL DEMAND MET	16433	16285	13549
Load Shedding	207	179	178
MSEDCL DEMAND	16640	16464	13727
TPCL GENERATION	996	957	663
R-INFRA GENERATION	456	471	453
TPCL+R-INFRA DEMAND	2754	2653	1857
STATE DEMAND MET	19187	18938	15406
STATE DEMAND	19394	19117	15584
Frequency (Hz)	49.97	49.89	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 19.02 Hrs	49.73 Hz at 14.52 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 08/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	3.24	27.56	160	115	140
Unit 7	3.44	28.82	170	110	150
Total	6.68	56.38			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	8.11	64.12	485	305	500
Unit 5	8.10	31.64	475	305	450
Total	16.20	95.76			950
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.55	29.24	155	135	148
Unit 6	4.54	36.98	197	180	178
Unit 7	4.72	35.16	210	188	186
Total	12.81	101.38			512
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.56	26.64	155	138	150
Unit 3	3.44	28.54	164	112	140
Unit 4	3.99	31.57	191	157	160
Unit 5	8.08	61.69	450	295	300
Unit 6	7.67	58.92	405	280	300
Unit 7	7.61	57.74	406	265	300
Total	34.35	265.09			1350
Paras					
Unit 3	4.84	37.30	250	185	180
Unit 4	4.58	36.20	210	172	180
Total	9.41	73.50			360
Khaparkheda					
Unit 1	3.98	31.38	190	150	180
Unit 2	3.62	30.76	175	125	180
Unit 3	4.11	33.09	202	152	180
Unit 4	4.11	33.21	207	151	180
Unit 5	9.72	41.44	500	360	400
Total	25.53	169.89			1120
Nasik					
Unit 3	3.81	32.08	170	135	190
Unit 4	3.89	31.76	168	156	190
Unit 5	3.92	25.76	168	155	190
Total	11.62	89.61			570
Uran					
All Units	9.69	79.58	554	325	460
Total	9.69	79.58			460
PENCH (MS)					
Pench (MS)	0.57	5.53	52	0	
Total	0.57	5.53			
Koyna					
Stage 1-2	1.38	19.94	230	40	530
Stage 4	0.06	11.92	60	0	250
Stage 3	0.23	6.87	80	0	240
Kovna 12&4 Total	1.44	31.86			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.67	38.72			1020
Hydro					
KDPH	0.44	2.08	19	18	18
VTRNA	0.75	6.04	61	0	60
TILLARI	0.38	2.95	64	0	64
BHTGR/VEER	0.10	0.69	4	4	4
BHIRA T.R.	0.20	1.60	80	0	80
RNGR+BHTSA	0.00	0.71	0	0	0
BHANDARDRA	0.00	0.80	0	0	10
ELDARY	0.34	2.06	15	12	11
SMLHY PTN	0.77	3.03	33	31	0
GHATGHAR	0.50	6.47	125	0	0
Total	3.48	26.43			247
Wind					
MalharPeth	0.25	1.64			
Vankuswadi	0.47	2.99			
ATIT	0.06	0.36			
Kale	0.20	1.59			
Satara	5.44	26.92			
Shirala	0.32	1.77			
K Mahankal	0.03	0.16			
Supa	0.08	0.55			
Vita	1.23	6.58			
Dondaicha	0.32	2.03			
Sakri	0.06	0.38			
Nandurbar	0.43	1.89			
Khandke	0.35	1.07			
Khaparale	0.39	1.14			
Total	9.62	49.08			
CPP					
JSW JAIGAD	25.85	187.44	1187	977	1056
WARDHA	2.63	20.70	112	103	110
Adani	52.76	456.14	2340	1650	2315
Other CPPs	19.23	150.52			745
Total	100.47	814.79			4226
SOLAR					
Total	0.96	8.29			
Total	0.96	8.29			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.07	77.29	500	317	500
Trombay 6	3.74	29.90	157	155	500
Trombay 7A	2.84	23.28	126	104	120
Trombay 7B	1.62	13.10	70	63	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.17	28.44	357	0	447
Total	20.44	172.01			1627
REL					
1&2	11.54	97.84	521	451	500
Total	11.54	97.84			500
Cent Sect					
Share					6469
Total					6469
MS PG CL	Thermal	116.60	851.60		5152
	Thml+Gas	126.30	931.18		5612
	Hydro	5.15	65.15		1267
	Total	131.45	996.33		6879
State Total		275.06	2143.88		19701

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	4647	298	391	5336	359	4037	0	4509	4762	-786	-924	13592	122	13714	2019	15733	49.95
2	4607	187	408	5202	394	4188	0	4712	4493	-745	-741	13549	178	13727	1857	15584	49.99
3	4588	122	410	5120	424	4250	0	4790	4770	-720	-635	13942	132	14074	1744	15818	49.98
4	4549	112	405	5066	458	4152	0	4752	4697	-708	-588	13810	113	13923	1693	15616	49.99
5	4578	128	332	5038	411	3968	0	4769	5128	-710	-597	13974	191	14165	1705	15870	49.98
6	4620	162	325	5107	411	4212	0	5016	5399	-738	-648	14507	471	14978	1764	16742	49.98
7	4671	192	433	5296	413	4261	3	5103	5334	-773	-712	14608	919	15527	1834	17361	50.02
8	4680	188	554	5422	288	4268	21	4721	4407	-808	-761	13670	949	14619	1945	16564	49.98
9	4754	125	442	5321	233	4373	59	4762	4634	-780	-930	13716	593	14309	2126	16435	49.96
10	4734	175	435	5344	353	4457	110	5773	5555	-909	-959	14887	354	15241	2446	17687	50.00
11	4883	256	365	5504	627	4335	127	6243	5603	-1025	-1112	15111	226	15337	2661	17998	49.99
12	5116	328	362	5806	662	4279	131	6059	6830	-1033	-1302	16433	207	16640	2754	19394	49.97
13	5695	207	360	6262	507	4285	152	5929	6129	-1015	-1297	16059	261	16320	2756	19076	49.96
14	5684	171	395	6250	381	4263	131	6143	5922	-977	-1173	15797	207	16004	2633	18637	49.97
15	5683	206	402	6291	302	4284	112	6316	6478	-992	-1225	16285	179	16464	2653	19117	49.89
16	5034	302	407	5743	218	4329	71	6241	6168	-1006	-1017	15559	173	15732	2653	18385	49.88
17	4801	194	421	5416	198	4339	33	5667	5718	-987	-950	14802	135	14937	2595	17532	49.91
18	4818	295	424	5537	232	4296	10	4924	5090	-960	-940	14277	94	14371	2556	16927	49.92
19	4900	359	413	5672	279	4290	0	5571	5450	-1013	-1105	14597	77	14674	2673	17347	50.07
20	4863	359	412	5634	360	4241	0	5282	5254	-987	-1103	14397	83	14480	2639	17119	50.04
21	4805	265	412	5482	412	4030	0	5070	5032	-931	-1142	13814	63	13877	2566	16443	50.05
22	4707	176	407	5290	512	3965	0	4739	4629	-1017	-1115	13281	63	13344	2430	15774	50.06
23	4622	171	395	5188	570	3880	0	4576	4330	-977	-1144	12837	63	12900	2278	15178	49.55
24	4564	171	384	5119	621	3491	0	4350	4442	-882	-1053	12653	63	12716	2177	14893	49.94
MUs	116.60	5.15	9.69	131.45	9.62	100.47	0.96	126.02	126.25	-21.48	-23.17	346.16	5.92	352.07	55.16	407.23	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 08/Nov/2014

Position as on 6.30 Hrs of 09/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 08/Nov/2014

Position as on 6.30 Hrs of 09/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	05/11/2014	10.01	08/11/2014	10.00	Relay testing work.RFC at 19.20Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	07/11/2014	21.00	08/11/2014	09.03	Over Voltage.
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 : 400KV			Outage Type TRIPPED		
Dhule-Khandwa I	08/11/2014	12.48	08/11/2014	14.02	Distance Protection Operated Z-I Y Ph to Earth.
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)
New Koyna-Jaigad II	07/11/2014	12.28	08/11/2014	07.04	Replacement Of Arcing Horn.
Lonikand- Koyna Stage IV	08/11/2014	04.56	08/11/2014	12.08	To Attend Hot Spot.
Bhusawal - Deepnagar - I	08/11/2014	13.37	08/11/2014	16.04	C T Oil Sample Collection.
Deepnagar-Tapitatanda	08/11/2014	14.46	08/11/2014	18.25	To Attend IPS Tube Problem.
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.)
Temghar-Colourchem	08/11/2014	03.53	08/11/2014	08.12	To Attend Hot Spot
Main Bus - I @ Ghodbunder	08/11/2014	07.38	08/11/2014	19:10	A. M. Work.
Theur - Magarpatta	08/11/2014	09.03	08/11/2014	15.43	Half Yearly Maintenance.
Lonikand-Theur - I	08/11/2014	09.34	08/11/2014	17.43	Half Yearly Maintenance.
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 FORCED OUTAGE		
765/400 KV 1500 MVA ICT @ Tiroda	08/11/2014	20.15	08/11/2014	23.07	To Attend Hot Spot on LV Side.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Nov/2014

Position as on 6.30 Hrs of 09/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Wadkhal - Ndil - 2	08/11/2014	13.05	08/11/2014	13.50	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	07/11/2014	16.20	08/11/2014	08.18	Over Voltage.
Bhusawal- Aurangabad	07/11/2014	18.02	08/11/2014	07.36	Over Voltage.
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.
Karad-Jaigad I	09/11/2014	20.45		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Miraj -Vita	08/11/2014	01.49	08/11/2014	12.24	Distance Protection.
Kolhapur-Ichalkaranji	08/11/2014	02.16	08/11/2014	03.24	Tripped.
Chalisgaon-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.
Voltage Level : 132KV			Outage Type TRIPPED		
Yawal-chopda	08/11/2014	12.15	08/11/2014	14.25	Distance Protection Operated Z-I B Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	150
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	350
	1420	650
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	190
Unit 7	250	198
	1130	543
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	170
Unit 3	210	170
Unit 4	210	180
Unit 5	500	400
	1340	1100
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	19
GHATGHAR	250	0
	611	260
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	1143
WARDHA	405	110
Adani	2640	2315
Other CPPs	300	745
	4545	4313
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	5681
	3455	5681