



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Nov/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.161	513.085	1) Gujrat	8.203	29.722
2) Hydro	7.686	46.384	2) Madhya Pradesh	17.158	85.614
3) Gas	10.239	49.002	3) Chattisgarh	10.500	49.470
Total MSGENCO	124.086	608.471	4) Maharashtra Net	107.821	514.026
B) 1) JSW JAIGAD	22.390	113.327	(Incl. 765kV Solapur-Raichur)	-8.883	-41.082
2) WPCL	2.638	12.761	5) Goa	-7.924	-33.858
3) ADANI	61.200	281.590	6) TAPS 1&2 Injection	3.629	15.964
4) Other CPP / IPP	19.084	93.974	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.194	31.028	8) Pench (Excess)	-0.569	-3.750
6) PENCH (MS)	0.569	3.750	# Total Cent. Sector	138.818	657.188
7) SOLAR	0.949	4.975	F) Other Exchanges		
C) 1) TPCL Thermal	19.401	87.062	1) With TPCL (Excess)	-23.149	-112.735
2) TPCL Hydro	3.521	17.135	G) Bilateral Power *		
TOTAL TPCL	22.922	104.197	1) MSEDCL Bilateral	38.087	175.415
3) REL Thermal	12.250	61.584	Include PX	11.923	54.083
D) STATE			2) MUMBAI Bilateral	23.514	109.119
1) Thermal (A1+C1+C3)	137.812	661.731	Include PX	4.466	15.348
2) Hydro (A2+B6+C2)	11.776	67.269	3) MUMBAI Schedule	23.514	109.180
3) Gas (A3)	10.239	49.002	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.194	31.028	1) MSEDCL	348.779	1694.329
5) CPP/IPP (B1+B2+B3+B4)	105.312	501.652	2) TPCL	35.138	168.581
6) SOLAR (B7)	0.949	4.975	3) REL	23.183	109.938
TOTAL STATE	268.282	1315.657	TOTAL STATE	407.100	1972.848

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	4420	4921	4347
MSGENCO Hydro	1023	676	152
MSGENCO Gas	425	416	416
MSGENCO Total Generation	5868	6013	4915
Central Sector Receipt	7145	7356	5054
WIND	27	25	60
CPP / IPP	4465	4116	4393
SOLAR	156	107	0
Exchange with Mumbai	-1267	-1258	-593
MSEDCL DEMAND MET	16406	16359	13855
Load Shedding	430	368	258
MSEDCL DEMAND	16836	16727	14113
TPCL GENERATION	1131	1081	662
R-INFRA GENERATION	517	521	469
TPCL+R-INFRA DEMAND	2915	2860	1724
STATE DEMAND MET	19321	19219	15579
STATE DEMAND	19751	19587	15837
Frequency (Hz)	50.03	49.93	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18:00 Hrs	49.7 Hz at 05:55 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 05/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	3.52	17.40	170	98	155
Unit 7	4.18	17.56	180	165	175
Total	7.70	34.96			330
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	7.90	39.68	480	300	300
Unit 5	8.06	10.15	480	300	400
Total	15.96	49.83			700
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.75	18.20	169	142	160
Unit 6	4.69	23.12	248	184	184
Unit 7	4.66	22.48	250	177	185
Total	13.09	63.80			529
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.42	15.84	153	126	150
Unit 3	3.73	18.01	167	138	160
Unit 4	3.96	19.71	180	157	162
Unit 5	7.55	38.17	390	285	300
Unit 6	7.25	36.46	350	285	300
Unit 7	6.20	35.47	298	213	300
Total	32.12	163.66			1372
Paras					
Unit 3	4.83	22.85	250	181	180
Unit 4	4.64	22.35	220	177	180
Total	9.48	45.20			360
Khaparkheda					
Unit 1	3.89	19.56	175	150	183
Unit 2	3.89	19.19	175	150	183
Unit 3	4.14	20.37	196	161	153
Unit 4	4.18	20.41	185	170	153
Unit 5	0.00	22.28	0	0	0
Total	16.10	101.81			672
Nasik					
Unit 3	4.05	20.29	190	160	190
Unit 4	3.63	19.76	184	46	190
Unit 5	4.03	13.78	191	158	190
Total	11.72	53.82			570
Uran					
All Units	10.24	49.00	445	416	420
Total	10.24	49.00			420
PENCH (MS)					
Pench (MS)	0.57	3.75	47	0	0
Total	0.57	3.75			0
Koyna					
Stage 1-2	1.14	14.67	105	40	530
Stage 4	1.79	9.12	637	0	250
Stage 3	0.72	5.33	140	0	240
Kovna 12&4 Total	2.93	23.79			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.65	29.12			1020
Hydro					
KDPH	0.45	0.75	19	18	0
VTRNA	1.00	5.11	61	0	62
TILLARI	0.35	1.77	62	0	64
BHTGR/VEER	0.10	0.50	5	4	4
BHIRA T.R.	0.31	1.01	81	0	80
RNGR+BHTSA	0.38	0.71	16	15	13
BHANDARDRA	0.10	0.10	28	0	0
ELDARY	0.35	1.04	15	13	0
SMLHY PTN	0.22	1.51	18	6	13
GHATGHAR	0.77	4.78	125	0	0
Total	4.04	17.26			236
Wind					
MalharPeth	0.08	1.18			
Vankuswadi	0.11	2.21			
ATIT	0.01	0.25			
Kale	0.06	1.19			
Satara	0.87	17.40			
Shirala	0.08	1.15			
K Mahankal	0.00	0.10			
Supa	0.05	0.34			
Vita	0.17	4.16			
Dondaicha	0.42	0.90			
Sakri	0.09	0.16			
Nandurbar	0.14	0.80			
Khandke	0.03	0.53			
Khaparale	0.07	0.65			
Total	2.19	31.03			
CPP					
JSW JAIGAD	22.39	113.33	941	910	855
WARDHA	2.64	12.76	113	101	108
Adani	61.20	281.59	2600	2380	2645
Other CPPs	19.08	93.97			745
Total	105.31	501.65			4353
SOLAR					
Total	0.95	4.98			
Total	0.95	4.98			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.15	45.68	501	318	500
Trombay 6	3.73	18.68	156	155	500
Trombay 7A	2.88	14.52	128	114	120
Trombay 7B	1.63	8.18	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.52	17.14	415	0	447
Total	22.92	104.20			1627
REL					
1&2	12.25	61.58	522	454	500
Total	12.25	61.58			500
Cent Sect					
Share					6985
Total					6985
MS PG CL	Thermal	106.16	513.08		4533
	Thml+Gas	116.40	562.09		4953
	Hydro	7.69	46.38		1256
	Total	124.09	608.47		6209
State Total		268.28	1315.66		19674

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4358	114	426	4898	59	4382	0	4997	5063	-851	-832	13615	156	13771	2079	15850	49.96
2	4331	101	426	4858	77	4367	0	5098	5202	-744	-793	13755	240	13995	1902	15897	49.98
3	4327	163	423	4913	54	4365	0	5141	5213	-715	-675	13915	247	14162	1785	15947	49.97
4	4347	152	416	4915	60	4393	0	5127	5054	-713	-593	13855	258	14113	1724	15837	49.99
5	4345	105	416	4866	96	4496	0	5227	5075	-811	-402	14153	316	14469	1700	16169	49.96
6	4351	101	417	4869	82	4467	0	5558	5523	-855	-402	14559	589	15148	1759	16907	49.88
7	4317	153	430	4900	63	4481	1	5658	5372	-883	-474	14361	1100	15461	1836	17297	49.82
8	4399	161	430	4990	50	4498	20	5204	5104	-937	-601	14087	961	15048	1973	17021	49.95
9	4350	164	430	4944	24	4497	64	5175	5129	-970	-826	13842	652	14494	2267	16761	49.96
10	4319	594	430	5343	21	4478	97	6204	5897	-988	-983	14873	503	15376	2606	17982	49.95
11	4314	751	416	5481	21	4485	117	6708	6445	-1191	-1169	15402	419	15821	2836	18657	50.02
12	4420	1023	425	5868	27	4465	156	7068	7145	-1245	-1267	16406	430	16836	2915	19751	50.03
13	5100	572	420	6092	38	4385	114	6988	6579	-1223	-1347	15861	546	16407	2978	19385	50.02
14	4891	370	418	5679	25	4155	143	6742	7141	-1070	-1201	15942	443	16385	2815	19200	50.03
15	4921	676	416	6013	25	4116	107	6968	7356	-1032	-1258	16359	368	16727	2860	19587	49.93
16	4506	404	417	5327	52	4083	84	6897	7825	-1027	-1256	16115	293	16408	2880	19288	49.84
17	4264	220	425	4909	87	3847	39	6386	7102	-1048	-1108	14884	216	15100	2884	17984	49.93
18	4245	294	429	4968	159	4620	7	5825	5781	-1008	-1104	14476	221	14697	2829	17526	49.97
19	4308	397	434	5139	239	4533	0	5958	5898	-1113	-1203	14651	208	14859	2865	17724	49.98
20	4353	353	435	5141	212	4499	0	5522	5530	-1112	-1139	14288	440	14728	2799	17527	50.00
21	4337	250	435	5022	198	4454	0	5342	5170	-1082	-1171	13683	362	14045	2708	16753	49.96
22	4344	182	435	4961	180	4496	0	5132	4945	-1032	-1174	13420	223	13643	2553	16196	50.05
23	4368	193	445	5006	160	4416	0	4861	4462	-919	-1055	13036	114	13150	2414	15564	49.94
24	4346	193	445	4984	185	4334	0	5124	4807	-946	-1116	13241	110	13351	2354	15705	49.98
MUs	106.16	7.69	10.24	124.09	2.19	105.31	0.95	138.91	138.82	-23.51	-23.15	348.78	9.42	358.19	58.32	416.52	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 05/Nov/2014

Position as on 6.30 Hrs of 06/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 JSW (J) U4	300	01/11/2014	05.42		Continued.	Feed Water Line Leakage.	
Khaparkheda Unit 5	500	03/11/2014	10.57		Continued.	Electrical Fault.	
Bhusawal Unit 5	500	06/11/2014	06.18		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2014

Position as on 6.30 Hrs of 06/Nov/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		
Karad - Solapur (PGCIL)	24/10/2014	10.47		Continued.	Gantry Erection Work.
Dhule-Sar'Sarovar - II	05/11/2014	10.01		Continued.	Relay testing work.RFC at 19.20Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	02/11/2014	18.37	05/11/2014	08.06	Over Voltage.
Kolhapur - Mapusa - II	04/11/2014	17.12	05/11/2014	08.04	Over Voltage.
Kolhapur - Mapusa - I	05/11/2014	21.14		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon PG- Aurangabad - I	05/11/2014	10.23	05/11/2014	14.06	Tripped.
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.
400/220/33KV,500 MVA ICT-I At Kalwa	05/11/2014	06.22	05/11/2014	06.40	Shifting of LV side from 220KV to 400KV side.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
Main Bus - II @ Chandrapur Switching	05/11/2014	10.34	05/11/2014	18.20	Isolator alignment,Q.M.Work.
New Koyna - StageIV - I	05/11/2014	13.29	05/11/2014	19.34	Q.M.Work,cand tan delta.
400/220 KV,500 MVA ICT-I at Lamboti.	05/11/2014	17.09	05/11/2014	18.32	Attend hot spot.
Jejuri-Koyna STG-IV	06/11/2014	05.30		Continued.	Repl.of tension disc insulator string.
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.)
Parly (Ext.) - Beed - II	05/11/2014	08.42	05/11/2014	11.06	Q.M.Work
Dondaicha - Jamde - I	05/11/2014	08.45	05/11/2014	10.46	Measurement of Tan delta of CT.
Chandrapur - Warora	05/11/2014	09.01	05/11/2014	18.50	Measurement of Tan delta of B-Ph CT.
Valve-Jamde	05/11/2014	09.40	05/11/2014	12.20	Measurement of Tan delta of CT.
Dondaicha - Jamde - II.	05/11/2014	10.46	05/11/2014	11.58	Measurement of Tan delta of CT.
220/132 KV 200 MVA ICT - II @ Beed	05/11/2014	10.48	05/11/2014	16.40	SFRA Testing of ICT.
Mudshingi-Talangade ckt-I	05/11/2014	15.17	05/11/2014	17.03	Q.M.Work
Purti-Butibori III	05/11/2014	16.14	05/11/2014	18.54	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Karad - Kolhapur - II	04/11/2014	15.40	05/11/2014	06.52	Over Voltage.
Karad-Jaigad I	04/11/2014	17.13	05/11/2014	08.54	Over Voltage.
Bhusawal- Aurangabad	04/11/2014	18.00	05/11/2014	05.52	Over Voltage.
400/220KV,500 MVA ICT-III at Kolhapur	04/11/2014	18.10		Continued.	Due to abnormal DGA results assuggested by MFG.
Bhusawal- Aurangabad	05/11/2014	20.03	06/11/2014	06.01	Over Voltage.
Karad - Kolhapur - I	05/11/2014	20.28		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2014

Position as on 6.30 Hrs of 06/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	05/11/2014	23.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Hinjewadi	05/11/2014	09.02	05/11/2014	16.19	To control L/L Chinchwad-Urse.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30	05/11/2014	17.15	Caught Fire.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	170
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	320
	1420	620
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	157
Unit 6	250	180
Unit 7	250	180
	1130	517
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	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	680
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	430
	852	430
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	62
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	266
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	855
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4355
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	6844
	3455	6844