



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Nov/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.539	734.998	1) Gujrat	7.041	44.331
2) Hydro	4.724	60.002	2) Madhya Pradesh	15.083	118.960
3) Gas	10.376	69.883	3) Chattisgarh	9.350	69.250
Total MSGENCO	132.639	864.883	4) Maharashtra Net	95.488	709.821
B) 1) JSW JAIGAD	25.981	161.589	(Incl. 765kV Solapur-Raichur)	-12.232	-64.413
2) WPCL	2.609	18.065	5) Goa	-7.505	-48.933
3) ADANI	59.540	403.380	6) TAPS 1&2 Injection	3.623	23.209
4) Other CPP / IPP	18.135	131.286	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.927	39.459	8) Pench (Excess)	-0.633	-4.955
6) PENCH (MS)	0.633	4.955			
7) SOLAR	1.181	7.332	# Total Cent. Sector	122.447	911.683
C) 1) TPCL Thermal	19.471	126.294	F) Other Exchanges		
2) TPCL Hydro	4.207	25.271	1) With TPCL (Excess)	-22.451	-157.544
TOTAL TPCL	23.678	151.565	G) Bilateral Power *		
3) REL Thermal	12.218	86.303	1) MSEDCL Bilateral	35.408	247.299
D) STATE			Include PX	8.993	73.894
1) Thermal (A1+C1+C3)	149.228	947.595	2) MUMBAI Bilateral	22.423	154.359
2) Hydro (A2+B6+C2)	9.564	90.228	Include PX	4.588	23.788
3) Gas (A3)	10.376	69.883	3) MUMBAI Schedule	22.423	154.420
4) Wind (B5)	3.927	39.459	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	106.265	714.320	1) MSEDCL	344.641	2385.088
6) SOLAR (B7)	1.181	7.332	2) TPCL	35.430	239.627
TOTAL STATE	280.541	1868.817	3) REL	22.917	155.888
			TOTAL STATE	402.988	2780.603

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5657	5846	4731
MSGENCO Hydro	379	309	100
MSGENCO Gas	448	445	443
MSGENCO Total Generation	6484	6600	5274
Central Sector Receipt	6135	6117	4521
WIND	92	100	230
CPP / IPP	4201	4219	4490
SOLAR	182	150	0
Exchange with Mumbai	-1210	-1197	-587
MSEDCL DEMAND MET	15888	15989	13945
Load Shedding	773	605	74
MSEDCL DEMAND	16661	16594	14019
TPCL GENERATION	1252	1138	672
R-INFRA GENERATION	523	518	465
TPCL+R-INFRA DEMAND	2985	2853	1724
STATE DEMAND MET	18873	18842	15669
STATE DEMAND	19646	19447	15743
Frequency (Hz)	49.88	49.96	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 21.57 Hrs	49.64 Hz at 06.21 Hrs	49.92	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 07/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	3.45	24.32	161	105	140
Unit 7	3.82	25.38	175	140	150
Total	7.26	49.70			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	8.06	56.01	490	300	300
Unit 5	8.05	23.54	500	300	320
Total	16.10	79.55			620
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.75	25.69	166	150	151
Unit 6	4.78	32.45	250	184	185
Unit 7	4.82	30.43	245	185	185
Total	13.35	88.57			521
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.60	23.08	158	143	150
Unit 3	3.59	25.10	168	130	160
Unit 4	4.00	27.58	182	160	165
Unit 5	7.72	53.61	450	287	300
Unit 6	7.39	51.25	400	265	300
Unit 7	7.49	50.13	413	264	300
Total	33.80	230.75			1375
Paras					
Unit 3	4.90	32.47	250	182	180
Unit 4	4.61	31.62	240	160	180
Total	9.51	64.09			360
Khaparkheda					
Unit 1	3.79	27.40	180	130	170
Unit 2	3.94	27.14	175	145	170
Unit 3	4.33	28.98	192	152	170
Unit 4	4.39	29.10	210	151	170
Unit 5	9.00	31.73	495	214	360
Total	25.45	144.36			1040
Nasik					
Unit 3	4.00	28.27	190	150	190
Unit 4	4.01	27.87	189	160	190
Unit 5	4.04	21.84	191	160	190
Total	12.06	77.98			570
Uran					
All Units	10.38	69.88	449	331	460
Total	10.38	69.88			460
PENCH (MS)					
Pench (MS)	0.63	4.96	52	0	
Total	0.63	4.96			
Koyna					
Stage 1-2	1.76	18.56	215	35	530
Stage 4	0.08	11.86	81	0	250
Stage 3	0.28	6.64	80	0	240
Kovna 12&4 Total	1.84	30.42			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.11	37.06			1020
Hydro					
KDPH	0.45	1.64	19	18	18
VTRNA	0.00	5.29	0	0	60
TILLARI	0.38	2.57	64	0	64
BHTGR/VEER	0.10	0.59	4	4	0
BHIRA T.R.	0.23	1.40	80	0	80
RNGR+BHTSA	0.00	0.71	0	0	0
BHANDARDRA	0.23	0.80	10	9	0
ELDARY	0.34	1.72	15	12	13
SMLHY PTN	0.48	2.26	24	14	12
GHATGHAR	0.41	5.97	120	0	0
Total	2.61	22.95			247
Wind					
MalharPeth	0.12	1.39			
Vankuswadi	0.18	2.53			
ATIT	0.03	0.30			
Kale	0.12	1.40			
Satara	2.11	21.48			
Shirala	0.18	1.45			
K Mahankal	0.02	0.13			
Supa	0.05	0.48			
Vita	0.57	5.35			
Dondaicha	0.22	1.71			
Sakri	0.04	0.33			
Nandurbar	0.22	1.47			
Khandke	0.05	0.72			
Khaparale	0.03	0.75			
Total	3.93	39.46			
CPP					
JSW JAIGAD	25.98	161.59	1158	969	1057
WARDHA	2.61	18.06	117	70	110
Adani	59.54	403.38	2680	2160	2645
Other CPPs	18.14	131.29			745
Total	106.26	714.32			4557
SOLAR					
Total	1.18	7.33			
Total	1.18	7.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.12	68.21	499	321	500
Trombay 6	3.74	26.16	157	155	500
Trombay 7A	2.96	20.44	127	116	120
Trombay 7B	1.66	11.49	70	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.21	25.27	471	0	447
Total	23.68	151.56			1627
REL					
1&2	12.22	86.30	523	451	500
Total	12.22	86.30			500
Cent Sect					
Share					6493
Total					6493
MS PG CL	Thermal	117.54	735.00		4776
	Thml+Gas	127.92	804.88		5236
	Hydro	4.72	60.00		1267
	Total	132.64	864.88		6503
State Total		280.54	1868.82		19680

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4641	124	442	5207	235	4597	0	4613	4394	-847	-691	13755	102	13857	2045	15902	49.91
2	4689	100	443	5232	265	4458	0	4807	4470	-762	-530	13902	74	13976	1890	15866	49.99
3	4755	99	442	5296	251	4610	0	4822	4328	-734	-534	13951	74	14025	1785	15810	49.92
4	4731	100	443	5274	230	4490	0	4796	4521	-708	-587	13945	74	14019	1724	15743	49.85
5	4713	114	443	5270	183	4520	0	4898	4690	-719	-526	14162	129	14291	1716	16007	49.91
6	4785	134	443	5362	150	4585	0	5217	5093	-745	-509	14706	333	15039	1786	16825	49.80
7	4857	200	445	5502	112	4599	1	5318	4921	-729	-529	14631	878	15509	1894	17403	49.76
8	4818	310	447	5575	91	4609	37	4833	4046	-845	-656	13742	1017	14759	2009	16768	49.86
9	4834	100	445	5379	47	4653	70	4962	3990	-865	-882	13304	791	14095	2287	16382	49.94
10	4778	289	435	5502	52	4715	133	6086	5657	-949	-1006	15100	331	15431	2656	18087	49.89
11	4714	387	435	5536	73	4610	133	6217	5915	-1093	-1121	15198	253	15451	2914	18365	49.81
12	4923	598	440	5961	92	4168	177	6583	6862	-1096	-1180	16129	500	16629	3015	19644	49.91
13	5657	379	448	6484	92	4201	182	6383	6135	-1083	-1210	15888	773	16661	2985	19646	49.88
14	5846	309	445	6600	100	4219	150	6313	6117	-1014	-1197	15989	605	16594	2853	19447	49.96
15	5910	152	440	6502	111	4203	136	6563	5964	-1025	-1136	15800	412	16212	2904	19116	49.86
16	5108	111	449	5668	101	4244	103	6415	6224	-1037	-1170	15195	307	15502	2939	18441	49.91
17	4773	111	443	5327	101	4087	40	5985	6020	-1019	-1157	14443	172	14615	2929	17544	49.87
18	4802	187	448	5437	80	4100	19	5300	5257	-983	-1038	13878	129	14007	2838	16845	49.92
19	4783	196	445	5424	112	4455	0	5828	5390	-1024	-1217	14197	127	14324	2859	17183	50.00
20	4754	203	443	5400	162	4498	0	5084	5100	-1008	-1182	14018	140	14158	2800	16958	50.01
21	4747	185	435	5367	258	4458	0	4969	4614	-1057	-1194	13543	124	13667	2629	16296	50.05
22	4710	112	415	5237	349	4493	0	4680	4103	-1089	-1034	13177	112	13289	2402	15691	50.07
23	4621	112	331	5064	361	4360	0	4235	4384	-1039	-1097	13096	72	13168	2285	15453	49.96
24	4592	112	331	5035	319	4333	0	4236	4254	-955	-1068	12896	72	12968	2203	15171	50.01
MUs	117.54	4.72	10.38	132.64	3.93	106.26	1.18	129.14	122.45	-22.42	-22.45	344.64	7.60	352.25	58.35	410.59	49.92

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 07/Nov/2014

Position as on 6.30 Hrs of 08/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	
Koyna Unit 6	75	07/11/2014	00.30	07/11/2014	05.55	Generator Cooler leakage	
CPP Adani U-5	660	07/11/2014	11.10	07/11/2014	14.55	Boiler MMT	
CPP Adani U-4	660	08/11/2014	00.07		Continued.	Heavy Leakage in In intermediate header drain.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2014

Position as on 6.30 Hrs of 08/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	07/11/2014	18.45	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		
Kolhapur - Mapusa - II	06/11/2014	17.17	07/11/2014	09.17	Over Voltage
Chandrapur-Bhadravti - I	07/11/2014	17.43	07/11/2014	19.05	H/T At Bhadravati End Protection Ct Opend.
Kolhapur - Mapusa - I	07/11/2014	21.00		Continued.	Over Voltage.
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 - StageIV - I	07/11/2014	05.07	07/11/2014	09.27	Replacement of tension string insulator.
400/220 KV 315 MVA ICT-III @ Padgha	07/11/2014	10.24	07/11/2014	15.16	To Attend Hot Spot.
New Koyna-Jaigad II	07/11/2014	12.28		Continued.	Replacement Of Arcing Horn.
400/220KV,315MVA ICT-I at Karad	07/11/2014	16.37	07/11/2014	18.20	To Attend Hot Spot On R Ph CT Clamp.
Lonikand- Koyna Stage IV	08/11/2014	04.56		Continued.	To Attend Hot Spot.
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.)
Mudshingi - Peth	07/11/2014	09.41	07/11/2014	16.28	Q.M.Work
Khaparkheda-Kawlewada-II	07/11/2014	10.06	07/11/2014	14.51	Coverion of Stn to Dtn.
220/132KV 200 MVA ICT-II @ Boisor	07/11/2014	11.25	07/11/2014	13.18	B- Phase Bushing Hot Spot.
220/100KV 125 MVA ICT-I @ Kalwa	07/11/2014	11.55	07/11/2014	17.52	Jumper Replacement work.
Khaparkheda-Kawlewada-I	07/11/2014	14.59	07/11/2014	18.23	Coverion of Stn to Dtn.
Chalishaon - Malegaon	07/11/2014	16.35	07/11/2014	20.02	For Attending Red Hot Spot.
Temghar-Colourchem	08/11/2014	03.53		Continued.	To Attend Hot Spot
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Kalyan	07/11/2014	08.54	07/11/2014	16.42	Maintennce Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Babaleshwar - Bhusawal	07/11/2014	17.05	07/11/2014	17.40	SF6 Gas Pressure Low.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/11/2014	17.56	07/11/2014	10.55	Over Voltage
Karad-Kolhapur-II	06/11/2014	20.55	07/11/2014	07.36	Over Voltage
Karad-Kolhapur-II	07/11/2014	16.20		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/11/2014	18.02		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2014

Position as on 6.30 Hrs of 08/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220KV,315 MVA ICT-I at New Koyna.	06/11/2014	20.20	07/11/2014	19.35	Buchholz Trip
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		Continued.	Distance Protection.
Kolhapur-Ichalkaranji	08/11/2014	02.16	08/11/2014	03.24	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	500
Unit 5	500	450
	1420	950
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	148
Unit 6	250	178
Unit 7	250	186
	1130	512
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	140
Unit 4	210	160
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1350
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	400
	1340	1120
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	
	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	80
RNGR+BHTSA	20	0
BHANDARDRA	45	10
ELDARY	23	11
SMLHY PTN	12	0
GHATGHAR	250	0
	611	247
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	1056
WARDHA	405	110
Adani	2640	2315
Other CPPs	300	745
	4545	4226
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	6469
	3455	6469