



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Feb/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.794	973.796	1) Gujrat	4.621	19.357
2) Hydro	12.596	67.927	2) Madhya Pradesh	15.670	111.208
3) Gas	10.955	79.049	3) Chattisgarh	5.790	46.950
Total MSGENCO	135.345	1120.772	4) Maharashtra Net	99.892	782.869
B) 1) JSW JAIGAD	12.923	121.470	(Incl. 765kV Solapur-Raichur)	-4.848	-66.005
2) WPCL	2.695	21.542	5) Goa	-5.976	-50.081
3) ADANI	42.890	337.420	6) TAPS 1&2 Injection	3.672	29.507
4) Other CPP / IPP	25.384	205.762	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.098	54.427	8) Pench (Excess)	-0.575	-4.039
6) PENCH (MS)	0.575	4.039	# Total Cent. Sector	123.094	935.771
7) SOLAR	0.859	8.325	F) Other Exchanges		
C) 1) TPCL Thermal	9.139	73.717	1) With TPCL (Excess)	-23.789	-218.890
2) TPCL Hydro	1.725	36.586	G) Bilateral Power *		
TOTAL TPCL	10.864	110.303	1) MSEDCL Bilateral	22.894	202.327
3) REL Thermal	5.651	45.527	Include PX	3.225	10.765
D) STATE			2) MUMBAI Bilateral	21.026	183.161
1) Thermal (A1+C1+C3)	126.584	1093.040	Include PX	3.003	41.242
2) Hydro (A2+B6+C2)	14.896	108.552	3) MUMBAI Schedule	21.026	183.161
3) Gas (A3)	10.955	79.049	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.098	54.427	1) MSEDCL	324.074	2590.638
5) CPP/IPP (B1+B2+B3+B4)	83.892	686.194	2) TPCL	24.536	231.913
6) SOLAR (B7)	0.859	8.325	3) REL	15.768	142.806
TOTAL STATE	241.284	2029.587	TOTAL STATE	364.378	2965.357

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4794	4995	4295
MSGENCO Hydro	1822	1001	137
MSGENCO Gas	439	430	484
MSGENCO Total Generation	7055	6426	4916
Central Sector Receipt	5971	5340	4551
WIND	34	94	356
CPP / IPP	3656	3619	3286
SOLAR	125	98	0
Exchange with Mumbai	-1105	-1012	-798
MSEDCL DEMAND MET	15761	14590	12335
Load Shedding	1079	998	22
MSEDCL DEMAND	16840	15588	12357
TPCL GENERATION	553	529	352
R-INFRA GENERATION	260	260	195
TPCL+R-INFRA DEMAND	1918	1801	1345
STATE DEMAND MET	17679	16391	13680
STATE DEMAND	18758	17389	13702
Frequency (Hz)	49.99	50.05	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 18.02 Hrs	49.68 Hz at 22.06 Hrs	50.01	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/Feb/2015

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	3.95	31.15	170	160	155
Unit 7	3.79	30.20	175	140	150
Total	7.74	61.35			305
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	10.82	76.42	505	365	360
Unit 5	0.00	36.44	0	0	0
Total	10.82	112.86			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.60	29.61	158	126	141
Unit 5	3.59	28.68	163	146	141
Unit 6	4.81	38.56	247	189	166
Unit 7	4.76	38.13	250	184	166
Total	16.77	134.99			614
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.12	23.98	135	125	130
Unit 3	2.74	23.87	195	0	50
Unit 4	4.02	21.24	186	124	200
Unit 5	10.19	79.72	460	363	450
Unit 6	0.00	62.98	0	0	0
Unit 7	9.60	78.48	435	364	450
Total	29.67	290.26			1280
Paras					
Unit 3	4.92	38.76	219	190	220
Unit 4	0.00	26.12	0	0	0
Total	4.92	64.88			220
Khaparkheda					
Unit 1	4.26	32.94	190	160	205
Unit 2	3.76	29.78	165	130	180
Unit 3	4.48	37.00	200	165	210
Unit 4	4.72	36.50	206	180	210
Unit 5	11.32	90.67	500	420	500
Total	28.55	226.89			1305
Nasik					
Unit 3	4.48	21.04	200	175	200
Unit 4	4.39	26.67	198	174	200
Unit 5	4.47	34.86	197	172	200
Total	13.33	82.57			600
Uran					
All Units	10.96	79.05	487	421	485
Total	10.96	79.05			485
PENCH (MS)					
Pench (MS)	0.58	4.04	25	23	
Total	0.58	4.04			
Koyna					
Stage 1-2	3.75	22.76	540	40	600
Stage 4	3.48	8.68	1013	0	250
Stage 3	1.67	7.25	320	0	320
Kovna 12&4 Total	7.23	31.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.90	38.69			1170
Hydro					
KDPH	0.44	3.58	19	18	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.98	0	0	0
BHTGR/VEER	0.02	0.52	1	1	2
BHIRA T.R.	0.25	2.02	40	0	80
RNGR+BHTSA	0.33	2.77	15	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.30	2.37	13	12	12
SMLHY PTN	1.16	7.66	56	45	12
GHATGHAR	1.21	9.33	125	0	0
Total	3.70	29.24			156
Wind					
MalharPeth	0.14	1.16			
Vankuswadi	0.15	2.13			
ATIT	0.02	0.20			
Kale	0.07	0.85			
Satara	1.36	24.79			
Shirala	0.10	1.46			
K Mahankal	0.01	0.22			
Supa	0.04	0.55			
Vita	0.39	9.21			
Dondaicha	0.98	6.49			
Sakri	0.21	1.15			
Nandurbar	0.40	2.64			
Khandke	0.08	2.52			
Khaparale	0.16	1.06			
Total	4.10	54.43			
CPP					
JSW JAIGAD	12.92	121.47	591	493	528
WARDHA	2.70	21.54	120	105	114
Adani	42.89	337.42	1860	1650	1828
Other CPPs	25.38	205.76			745
Total	83.89	686.19			3215
SOLAR					
Total	0.86	8.32			
Total	0.86	8.32			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	3.61	28.80	151	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.53	44.92	251	201	250
TATA Hydro	1.72	36.59	212	0	447
Total	10.86	110.30			1197
REL					
1&2	5.65	45.53	260	194	250
Total	5.65	45.53			250
Cent Sect					
Share					5745
Total					5745
MS PG CL	Thermal	111.79	973.80		4684
	Thml+Gas	122.75	1052.84		5169
	Hydro	12.60	67.93		1326
	Total	135.34	1120.77		6495
State Total		241.28	2029.59		16902

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Feb/2015

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	4375	131	484	4990	380	3199	0	4579	4919	-694	-1024	12487	63	12550	1588	14138	49.93
2	4347	141	483	4971	306	3238	0	4583	4703	-675	-911	12330	15	12345	1457	13802	49.96
3	4311	131	483	4925	342	3265	0	4417	4787	-650	-833	12509	22	12531	1378	13909	49.71
4	4295	137	484	4916	356	3286	0	4320	4551	-643	-798	12335	22	12357	1345	13702	50.00
5	4293	136	486	4915	267	3345	0	4649	4633	-660	-793	12390	24	12414	1339	13753	50.01
6	4509	137	487	5133	194	3397	0	4738	5116	-684	-815	13048	71	13119	1421	14540	49.99
7	4720	230	479	5429	265	3565	1	4815	5198	-832	-808	13673	290	13963	1499	15462	50.01
8	4734	542	475	5751	185	3657	7	5327	5645	-833	-823	14446	787	15233	1537	16770	49.99
9	4735	834	452	6021	103	3649	35	5436	5703	-816	-946	14589	952	15541	1651	17192	50.02
10	4809	1340	451	6600	91	3669	73	5760	6240	-898	-924	15773	807	16580	1782	18362	50.00
11	4676	1700	443	6819	54	3566	80	5862	6105	-1073	-1046	15602	942	16544	1917	18461	49.99
12	4794	1822	439	7055	34	3656	125	5948	5971	-1107	-1105	15761	1079	16840	1918	18758	49.99
13	4928	1523	433	6884	43	3673	150	5407	5396	-1100	-1101	15070	1215	16285	1886	18171	50.02
14	4995	1001	430	6426	94	3619	98	5314	5340	-1041	-1012	14590	998	15588	1801	17389	50.05
15	4956	503	421	5880	154	3582	117	5609	5733	-985	-963	14528	705	15233	1746	16979	50.01
16	4852	530	422	5804	143	3605	93	5594	5814	-941	-955	14529	631	15160	1685	16845	49.99
17	4793	397	437	5627	155	3579	61	5213	5404	-956	-912	13937	648	14585	1675	16260	50.52
18	4777	210	443	5430	138	3515	18	4649	4308	-922	-1028	12406	452	12858	1690	14548	50.09
19	4560	355	439	5354	78	3483	1	4491	4758	-1020	-1143	12555	134	12689	1820	14509	49.98
20	4865	233	446	5544	145	3557	0	4918	4805	-1065	-1170	12906	92	12998	1967	14965	49.99
21	4764	142	445	5351	131	3508	0	4817	4838	-974	-1186	12665	82	12747	1941	14688	50.04
22	4695	137	462	5294	158	3455	0	4456	4443	-865	-1288	12085	76	12161	1879	14040	50.01
23	4518	147	465	5130	131	3412	0	4175	4258	-840	-1127	11828	76	11904	1757	13661	49.90
24	4493	137	466	5096	151	3412	0	4293	4426	-751	-1078	12032	70	12102	1625	13727	50.02
MUs	111.79	12.60	10.96	135.34	4.10	83.89	0.86	119.37	123.09	-21.03	-23.79	324.07	10.25	334.33	40.30	374.63	50.01

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/Feb/2015

Position as on 6.30 Hrs of 09/Feb/2015

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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
Bhusawal Unit 3	210	20/01/2015	08.02		Continued.	Annual Overhaul	10/02/2015
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	
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	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Rotor Fault.	25/02/2015
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Rotor Fault.	25/02/2015
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP WPCL U-4	135	25/01/2015	22.27		Continued.	ID Fan problem	
Uran Unit 8	108	26/01/2015	12.22		Continued.	Gas Shortage	
CPP IPL U-1	270	27/01/2015	21.55		Continued.	Coal Shortage	
Uran Unit 5	108	01/02/2015	00.08		Continued.	Gas Shortage	
CPP JSW (J) U1	300	03/02/2015	14:20		Continued.	P.A Fan Problem.	
CPP JSW (J) U3	300	03/02/2015	21.27		Continued.	Due to Unavailability of Load..	
Chandrapur Unit 3	210	05/02/2015	19.02	08/02/2015	04:26	BLR T/L.	
Paras Unit 4	250	06/02/2015	10.58	09/02/2015	06.25	BLR T/L.	
CPP Adani U-3	660	06/02/2015	11.42		Continued.	GT Bushing Repl work.	
Bhusawal Unit 5	500	07/02/2015	13:57		Continued.	Clinker Formation.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Feb/2015

Position as on 6.30 Hrs of 09/Feb/2015

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 6	500	07/02/2015	21:30		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Feb/2015

Position as on 6.30 Hrs of 09/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha (PG) - Warora - I	08/02/2015	14.14	08/02/2015	14.34	maintance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	07/02/2015	16:44	08/02/2015	07.37	Over Voltage.
Dhule-Sar'Sarovar - II	07/02/2015	17:44	08/02/2015	08.13	Over Voltage.
Kolhapur-Mapusa-II	08/02/2015	16.09		Continued.	over voltage
Kolhapur-Solapur(PGCIL)-I	08/02/2015	17.10	09/02/2015	06.40	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	08/02/2015	12.50		Continued.	distance protection
Dhule-Sar'Sarovar - II	08/02/2015	13.01		Continued.	distance protection
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765 kv Wardha PG - Abad PG 2	08/02/2015	12.41	08/02/2015	23.21	maintance work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 Kv ICT - II LV BKR at Lonikand.	07/02/2015	11:59		Continued.	ICT Taken on TBC.
Kalwa - Padgha - I	08/02/2015	07.57	08/02/2015	18.50	Replacement work
Chandrapur II - Dhariwal - I	08/02/2015	10.57		Continued.	PM of line & line bay at DIL end
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
Apta - ACCIL	08/02/2015	08.33		Continued.	maintance work
Dahanu-Versova	08/02/2015	08.44	08/02/2015	18.03	annual maintance work
Mulund-Trombay	08/02/2015	09.41	08/02/2015	18.10	Replacement work
Nagothane-MSL	08/02/2015	09.47	08/02/2015	21.16	Routine bay maintance & Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Bableshwar-Taptitanda II	28/01/2015	19.24		Continued.	Over Voltage.
Karad - Kolhapur - I	07/02/2015	16:08	08/02/2015	07.21	Over Voltage.
Karad-Jaigad I	07/02/2015	16:32	08/02/2015	07.24	Over Voltage.
Lonikand- Koyna Stage IV	07/02/2015	21:22	08/02/2015	06:57	Over Voltage.
Karad-Jaigad II	08/02/2015	16.02	09/02/2015	06.50	over voltage
Karad - Kolhapur - II	08/02/2015	16.12	09/02/2015	06.47	over voltage
Bhusawal- Aurangabad	08/02/2015	17.15		Continued.	over voltage
Dabhol - New Koyna - I	08/02/2015	18.18		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	08/02/2015	07.01	08/02/2015	15.01	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Feb/2015

Position as on 6.30 Hrs of 09/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400 KV GT - 5 Main Bay (410) at Deep-Nagar	06/02/2015	12:23		Continued.	Tripped on PDR while Synchronizing.
400/220KV, 315MVA ICT-I @ New Koyna.	08/02/2015	01:31	08/02/2015	03:11	Trip on NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Pedambe - Oni	08/02/2015	13.59	08/02/2015	14.24	distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Feb/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	400
Unit 5	500	0
	1420	400
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	187
Unit 7	250	187
	1130	694
Chandrapur		
Unit 1	210	0
Unit 2	210	119
Unit 3	210	192
Unit 4	210	183
Unit 5	500	411
Unit 6	500	0
Unit 7	500	411
	2340	1316
Paras		
Unit 3	250	201
Unit 4	250	0
	500	201
Khaparkheda		
Unit 1	210	205
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1305
Nasik		
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	630	600
Uran		
All Units	852	485
	852	485
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	10
GHATGHAR	250	0
	611	97
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	516
WARDHA	405	120
Adani	2640	1828
Other CPPs	300	745
	4545	3209
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	6382
	3455	6382

	21940	17626
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