



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Feb/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.096	126.096	1) Gujrat	1.953	1.953
2) Hydro	4.907	4.907	2) Madhya Pradesh	13.417	13.417
3) Gas	7.577	7.577	3) Chattisgarh	5.680	5.680
Total MSGENCO	138.580	138.580	4) Maharashtra Net	89.422	89.422
B) 1) JSW JAIGAD	20.988	20.988	(Incl. 765kV Solapur-Raichur)	-8.348	-8.348
2) WPCL	2.539	2.539	5) Goa	-5.456	-5.456
3) ADANI	41.960	41.960	6) TAPS 1&2 Injection	3.386	3.386
4) Other CPP / IPP	26.292	26.292	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.779	2.779	8) Pench (Excess)	-0.388	-0.388
6) PENCH (MS)	0.388	0.388	# Total Cent. Sector	108.014	108.014
7) SOLAR	1.171	1.171	F) Other Exchanges		
C) 1) TPCL Thermal	8.994	8.994	1) With TPCL (Excess)	-23.499	-23.499
2) TPCL Hydro	2.223	2.223	G) Bilateral Power *		
TOTAL TPCL	11.217	11.217	1) MSEDCL Bilateral	22.323	22.323
3) REL Thermal	5.519	5.519	Include PX	-0.719	-0.719
D) STATE			2) MUMBAI Bilateral	14.612	14.612
1) Thermal (A1+C1+C3)	140.609	140.609	Include PX	2.634	2.634
2) Hydro (A2+B6+C2)	7.518	7.518	3) MUMBAI Schedule	14.612	14.612
3) Gas (A3)	7.577	7.577	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.779	2.779	1) MSEDCL	319.212	319.212
5) CPP/IPP (B1+B2+B3+B4)	91.779	91.779	2) TPCL	25.777	25.777
6) SOLAR (B7)	1.171	1.171	3) REL	14.459	14.459
TOTAL STATE	251.433	251.433	TOTAL STATE	359.448	359.448

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5483	5640	4936
MSGENCO Hydro	452	230	229
MSGENCO Gas	316	306	328
MSGENCO Total Generation	6251	6176	5493
Central Sector Receipt	6011	5386	3217
WIND	55	54	118
CPP / IPP	4007	3973	3583
SOLAR	138	158	0
Exchange with Mumbai	-917	-1015	-749
MSEDCL DEMAND MET	15571	14732	11685
Load Shedding	187	373	76
MSEDCL DEMAND	15758	15105	11761
TPCL GENERATION	709	523	350
R-INFRA GENERATION	260	259	195
TPCL+R-INFRA DEMAND	1886	1797	1294
STATE DEMAND MET	17457	16529	12979
STATE DEMAND	17644	16902	13055
Frequency (Hz)	49.95	50.07	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 18:01 Hrs	49.81 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 01/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	3.93	3.93	170	155	160
Unit 7	3.80	3.80	170	140	160
Total	7.73	7.73			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	10.36	10.36	510	360	360
Unit 5	0.00	0.00	0	0	0
Total	10.36	10.36			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.65	3.65	160	143	150
Unit 5	3.58	3.58	160	140	157
Unit 6	4.82	4.82	250	185	187
Unit 7	4.78	4.78	250	177	196
Total	16.83	16.83			690
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.97	2.97	130	116	130
Unit 3	4.51	4.51	208	160	210
Unit 4	3.97	3.97	185	141	200
Unit 5	9.81	9.81	455	353	450
Unit 6	9.49	9.49	435	353	430
Unit 7	10.13	10.13	459	388	450
Total	40.88	40.88			1870
Paras					
Unit 3	4.46	4.46	198	166	220
Unit 4	4.62	4.62	201	183	220
Total	9.09	9.09			440
Khaparkheda					
Unit 1	4.08	4.08	190	150	200
Unit 2	3.90	3.90	180	150	190
Unit 3	4.60	4.60	197	174	210
Unit 4	4.57	4.57	201	175	210
Unit 5	11.00	11.00	500	410	500
Total	28.16	28.16			1310
Nasik					
Unit 3	4.37	4.37	195	147	200
Unit 4	4.34	4.34	190	169	200
Unit 5	4.34	4.34	192	173	200
Total	13.05	13.05			600
Uran					
All Units	7.58	7.58	330	296	326
Total	7.58	7.58			326
PENCH (MS)					
Pench (MS)	0.39	0.39	27	0	0
Total	0.39	0.39			0
Koyna					
Stage 1-2	1.37	1.37	165	40	600
Stage 4	0.00	0.00	0	0	250
Stage 3	0.42	0.42	80	0	320
Kovna 12&4 Total	1.37	1.37			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.79	1.79			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	0.38	64	0	64
BHTGR/VEER	0.08	0.08	4	3	3
BHIRA T.R.	0.12	0.12	80	0	80
RNGR+BHTSA	0.29	0.29	15	0	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.30	0.30	13	12	13
SMLHY PTN	0.75	0.75	40	28	10
GHATGHAR	1.19	1.19	120	0	0
Total	3.12	3.12			186
Wind					
MalharPeth	0.05	0.05			
Vankuswadi	0.10	0.10			
ATIT	0.01	0.01			
Kale	0.03	0.03			
Satara	1.08	1.08			
Shirala	0.04	0.04			
K Mahankal	0.01	0.01			
Supa	0.02	0.02			
Vita	0.48	0.48			
Dondaicha	0.54	0.54			
Sakri	0.02	0.02			
Nandurbar	0.20	0.20			
Khandke	0.07	0.07			
Khaparale	0.13	0.13			
Total	2.78	2.78			
CPP					
JSW JAIGAD	20.99	20.99	939	764	844
WARDHA	2.54	2.54	111	97	110
Adani	41.96	41.96	1810	1640	1804
Other CPPs	26.29	26.29			525
Total	91.78	91.78			3283
SOLAR					
Total	1.17	1.17			
Total	1.17	1.17			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	3.58	3.58	150	149	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.41	5.41	252	200	250
TATA Hydro	2.22	2.22	354	0	447
Total	11.22	11.22			1197
REL					
1&2	5.52	5.52	260	194	250
Total	5.52	5.52			250
Cent Sect					
Share					5543
Total					5543
MS PG CL	Thermal	126.10	126.10		5590
	Thml+Gas	133.67	133.67		5916
	Hydro	4.91	4.91		1356
	Total	138.58	138.58		7272
State Total		251.43	251.43		17545

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5011	84	327	5422	88	3643	0	3529	3738	-495	-980	11935	121	12056	1552	13608	49.99
2	4961	84	325	5370	88	3513	0	3379	3597	-483	-874	11719	69	11788	1419	13207	49.98
3	4978	209	327	5514	106	3714	0	2909	3460	-461	-799	12008	76	12084	1345	13429	49.98
4	4936	229	328	5493	118	3583	0	2995	3217	-454	-749	11685	76	11761	1294	13055	49.99
5	4960	219	328	5507	163	3625	0	3131	3236	-461	-757	11798	78	11876	1300	13176	50.02
6	4966	207	324	5497	177	3650	0	3580	3838	-493	-844	12342	94	12436	1389	13825	50.04
7	5012	109	326	5447	203	3675	1	4771	4461	-520	-904	12906	138	13044	1449	14493	50.01
8	5251	229	330	5810	231	3852	20	5102	5910	-547	-806	15031	148	15179	1522	16701	49.97
9	5480	333	325	6138	214	3956	49	5199	5663	-594	-633	15402	174	15576	1645	17221	49.95
10	5553	381	322	6256	173	3945	118	5444	5618	-667	-830	15307	205	15512	1811	17323	49.98
11	5483	452	316	6251	55	4007	138	5568	6011	-758	-917	15571	187	15758	1886	17644	49.95
12	5576	408	304	6288	45	3946	165	5614	5907	-786	-1000	15376	267	15643	1926	17569	50.02
13	5625	348	305	6278	49	3987	194	5163	5481	-805	-1032	14957	426	15383	1880	17263	50.02
14	5640	230	306	6176	54	3973	158	4993	5386	-731	-1015	14732	373	15105	1797	16902	50.07
15	5630	104	296	6030	34	3999	143	4950	5353	-681	-979	14580	289	14869	1730	16599	50.05
16	5537	98	299	5934	36	3998	104	4924	5507	-646	-906	14673	353	15026	1683	16709	50.02
17	5526	225	301	6052	60	4004	56	4798	4503	-666	-975	13700	339	14039	1678	15717	50.02
18	5490	118	304	5912	64	3981	25	3797	3459	-555	-1028	12430	120	12550	1698	14248	50.05
19	5396	185	305	5886	86	3859	0	4115	3782	-562	-1186	12444	96	12540	1848	14388	50.03
20	5092	167	312	5571	132	3798	0	4721	4870	-701	-1286	13098	80	13178	2021	15199	50.03
21	5040	169	313	5522	131	3780	0	4374	4628	-712	-1317	12757	79	12836	1997	14833	50.08
22	5011	109	315	5435	133	3758	0	3766	3592	-662	-1342	11589	79	11668	1929	13597	50.05
23	5030	100	318	5448	158	3804	0	3103	3381	-624	-1236	11581	72	11653	1785	13438	49.96
24	4912	110	321	5343	181	3729	0	3071	3416	-549	-1104	11591	68	11659	1651	13310	50.08
MUs	126.10	4.91	7.58	138.58	2.78	91.78	1.17	103.00	108.01	-14.61	-23.50	319.21	4.01	323.22	40.24	363.45	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 01/Feb/2015

Position as on 6.30 Hrs of 02/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)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
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 Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
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	
CPP VIPL U-2	300	31/01/2015	13.29	02/02/2015	00.11	Turbine Drain Line Steam Leakage	
Uran Unit 5	108	01/02/2015	00.08		Continued.	Gas Shortage	
Chandrapur Unit 4	210	02/02/2015	18.04	02/02/2015	21.28	Turbine Tripped	
Chandrapur Unit 4	210	02/02/2015	22.17		Continued.	Main Steam Valve Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2015

Position as on 6.30 Hrs of 02/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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	31/01/2015	16.48	01/02/2015	10.01	Over Voltage
Dhule-Sar'Sarovar - I	31/01/2015	20.46	01/02/2015	07.25	Over Voltage
Kolhapur - Mapusa - I	01/02/2015	16.19	02/02/2015	08.55	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/02/2015	18.16	02/02/2015	08.12	Over Voltage
Dhule-Sar'Sarovar - II	01/02/2015	21.21	02/02/2015	08.02	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/01/2015	03.10		Continued.	Over Voltage(RFC 20.45Hrs)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Padgha II	01/02/2015	06.26	01/02/2015	19.54	Restrining of E/W
400/220KV,500 MVA ICT-III at Kolhapur	02/02/2015	10.40	02/02/2015	19.37	Oil Checking work
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.
Main Bus- I @ Butibori	31/01/2015	10.20	01/02/2015	16.49	Jumpering work of New ICT 2 to Main Bus-I
Main Bus- II @ Kharghar	01/02/2015	09.54	01/02/2015	21.09	Stringing of Stub Bus-II and Jumpering
Kandalgaon - Topworth	02/02/2015	10.00	02/02/2015	17.45	maintenance work
Karad Mudsingi-II	02/02/2015	10.10	02/02/2015	13.15	Maintenance work
220/132 KV,200 MVA ICT-II at Chikhli	02/02/2015	11.14	02/02/2015	17.45	Repl.of Isolator Gear Box
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-II	31/01/2015	16.16	01/02/2015	07.46	Over Voltage
Karad-Jaigad I	31/01/2015	16.49	01/02/2015	08.56	Over Voltage
Bhusawal- Aurangabad	31/01/2015	18.23	01/02/2015	07.39	Over Voltage
Lonikand- Koyna Stage IV	31/01/2015	21.51	01/02/2015	07.04	Over Voltage
Karad-Kolhapur-II	01/02/2015	16.08	02/02/2015	07.22	Over Voltage
Karad-Jaigad I	01/02/2015	16.35	02/02/2015	07.24	Over Voltage
Bhusawal- Aurangabad	01/02/2015	17.09	02/02/2015	08.03	Over Voltage
Lonikand- Koyna Stage IV	01/02/2015	21.06	02/02/2015	06.52	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	25/01/2015	13.08	02/02/2015	15.57	Bus Bar prot.Operated
Dabhol - New Koyna - I	25/01/2015	18.00		Continued.	Over Voltage
Dabhol - Nagothane - I	01/02/2015	03.00	01/02/2015	07.43	Over Voltage
Padgha - Babaleshwar - II	01/02/2015	13.01	01/02/2015	17.55	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2015

Position as on 6.30 Hrs of 02/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Beed- Raimoha	01/02/2015	06.45	01/02/2015	14.55	Distance Protection
Beed - Beed	02/02/2015	03.42	02/02/2015	04.16	Distance Protection
Beed- Raimoha	02/02/2015	03.42	02/02/2015	04.18	Distance Protection
Nilanga - Omerga	02/02/2015	15.25	02/02/2015	15.48	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/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	344
Unit 5	500	0
	1420	344
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	150
Unit 6	250	190
Unit 7	250	185
	1130	680
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	430
Unit 7	500	450
	2340	1870
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1300
Nasik		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	200
	630	400
Uran		
All Units	852	330
	852	330
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	10
GHATGHAR	250	0
	611	184
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	851
WARDHA	405	118
Adani	2640	1804
Other CPPs	300	745
	4545	3518
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	6408
	3455	6408