



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jan/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.493	3656.834	1) Gujrat	6.590	242.328
2) Hydro	5.324	264.718	2) Madhya Pradesh	15.181	444.984
3) Gas	9.691	328.048	3) Chattisgarh	7.930	274.620
Total MSGENCO	142.508	4249.600	4) Maharashtra	70.399	1900.124
B) 1) JSW JAIGAD	25.171	767.494	5) Goa	-4.960	-160.750
2) WPCL	8.680	262.843	6) TAPS 1&2 Injection	0.000	92.297
3) ADANI	10.140	270.930	7) RGPPL Injection	6.890	176.176
4) Other CPP / IPP	9.514	287.110	8) Pench (Excess)	-0.334	-5.831
5) Wind Generation	3.558	100.711	# Total Cent. Sector	101.696	2963.948
6) PENCH (MS)	0.334	5.831	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.204	-258.824
1) TPCL Thermal	19.968	606.588	G) Bilateral Power *		
2) TPCL Hydro	4.291	125.177	1) MSEDCL Bilateral	40.682	1154.520
TOTAL TPCL	24.259	731.765	Include PX	0.000	-1.640
3) REL Thermal	11.841	358.244	2) MUMBAI Bilateral	10.753	276.334
D) STATE			Include PX	-0.879	-62.253
1) Thermal (A1+C1+C3)	159.302	4621.666	3) MUMBAI Schedule	10.753	276.334
2) Hydro (A2+B5+C2)	9.949	395.726	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.691	328.048	1) MSEDCL	290.397	8649.643
4) Wind (B4)	3.558	100.711	2) TPCL	31.415	897.708
5) CPP (B1+B2+B3)	53.505	1327.587	3) REL	15.888	451.383
TOTAL STATE	236.005	6773.738	TOTAL STATE	337.700	9998.734

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5222	5629	4940
MSGENCO Hydro	595	531	114
MSGENCO Gas	384	466	381
MSGENCO Total Generation	6201	6626	5435
Central Sector Receipt	5090	4492	3631
WIND	147	102	81
CPP / IPP	2429	2223	2021
Exchange with Mumbai	-521	-487	-175
MSEDCL DEMAND MET	13396	13006	10993
Load Shedding	490	136	7
MSEDCL DEMAND	13886	13142	11000
TPCL GENERATION	1392	1397	678
R-INFRA GENERATION	529	529	391
TPCL+R-INFRA DEMAND	2442	2413	1244
STATE DEMAND MET	15838	15419	12237
STATE DEMAND	16328	15555	12244
Frequency (Hz)	49.95	50.01	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 17.03 Hrs	49.47 Hz at 08.40 Hrs	49.95	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 30/Jan/2013

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	3.56	81.13	172	130	135
Unit 7	3.46	88.46	165	110	160
Total	7.03	169.59			295
Bhusawal					
Unit 2	4.07	84.32	180	160	
Unit 3	4.30	117.15	190	170	180
Unit 4	0.00	163.96	0	0	180
Unit 5	5.01	40.25	430	0	0
Total	13.38	405.68			360
Parli					
Unit 3	3.01	93.63	157	0	144
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	89.22	0	0	0
Unit 6	0.00	134.86	0	0	0
Unit 7	5.42	21.28	254	185	240
Total	8.43	338.99			384
Chandrapur					
Unit 1	3.39	107.68	149	135	150
Unit 2	3.28	85.00	150	110	140
Unit 3	4.54	139.70	196	179	195
Unit 4	4.71	124.88	200	190	200
Unit 5	9.71	293.26	430	370	425
Unit 6	10.74	265.20	470	375	460
Unit 7	9.65	270.52	455	340	460
Total	46.01	1286.24			2030
Paras					
Unit 3	5.51	150.00	244	197	250
Unit 4	5.45	160.96	246	201	250
Total	10.96	310.96			500
Khaparkheda					
Unit 1	4.03	121.14	195	140	190
Unit 2	4.28	118.46	200	150	190
Unit 3	4.96	119.35	221	170	190
Unit 4	4.26	127.74	201	149	190
Unit 5	11.26	287.47	500	425	500
Total	28.80	774.16			1260
Nasik					
Unit 3	4.31	129.59	190	160	195
Unit 4	4.28	124.04	185	170	185
Unit 5	4.30	117.59	192	168	195
Total	12.88	371.22			575
Uran					
All Units	9.69	328.05	472	376	390
Total	9.69	328.05			390
PENCH (MS)					
Pench (MS)	0.33	5.83	50	0	
Total	0.33	5.83			
Koyna					
Stage 1-2	1.16	69.68	130	40	450
Stage 4	0.00	49.86	0	0	250
Stage 3	0.36	25.78	80	0	240
Kovna 12&4 Total	1.16	119.54			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.52	145.32			940
Hydro					
KDPH	0.46	14.96	20	19	36
VTRNA	0.00	1.87	0	0	0
TILLARI	0.36	5.14	60	0	60
BHTGR/VEER	0.05	2.00	2	2	2
BHIRA T.R.	0.27	7.96	80	0	80
RNGR+BHTSA	0.34	10.74	15	14	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	0.99	28.91	49	39	8
GHATGHAR	1.34	47.77	250	0	
Total	3.80	119.39			199
Wind					
MalharPeth	0.15	5.26			
Vankuswadi	0.19	7.74			
ATIT	0.05	2.65			
Kale	0.07	2.44			
Satara	0.07	10.10			
Shirala	0.14	3.39			
K Mahankal	0.12	3.54			
Supa	0.07	1.98			
Vita	0.31	11.83			
Dondaicha	1.81	34.41			
Sakri	0.21	4.41			
Nandurbar	0.12	2.90			
Khandke	0.18	5.90			
Khaparale	0.06	4.16			
Total	3.56	100.71			
CPP					
JSW JAIGAD	25.17	767.49	1202	909	1097
WARDHA	8.68	262.84	365	360	361
Adani	10.14	270.93	470	360	
Other CPPs	9.51	287.11			
Total	53.50	1588.38			1458
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.76	280.42	502	283	500
Trombay 6	0.00	104.15	0	0	0
Trombay 7A	3.04	87.03	131	121	120
Trombay 7B	1.65	48.46	70	66	60
Trombay 8	5.53	86.53	252	195	250
TATA Hydro	4.29	125.18	459	0	447
Total	24.26	731.76			1377
REL					
1&2	11.84	358.24	530	391	500
Total	11.84	358.24			500
Cent Sect					
Share					4616
Total					4616

MS PG CL	Thermal	127.49	3656.83			5404
	Thml+Gas	137.18	3984.88			5794
	Hydro	5.32	264.72			1139
	Total	142.51	4249.60			6933
State Total		236.00	6773.74			14884

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Jan/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5175	114	380	5669	187	2111	3678	3335	-276	-190	11112	3	11115	1479	12594	50.03
2	5076	119	380	5575	141	2064	3602	3470	-201	-239	11011	6	11017	1354	12371	50.04
3	5117	114	380	5611	115	2019	3575	3474	-173	-213	11006	6	11012	1282	12294	50.06
4	4940	114	381	5435	81	2021	3599	3631	-197	-175	10993	7	11000	1244	12244	49.99
5	4982	114	376	5472	174	2024	3649	3813	-197	-196	11287	7	11294	1267	12561	49.98
6	5257	114	376	5747	244	2146	3858	4034	-188	-300	11871	150	12021	1371	13392	49.90
7	5297	134	382	5813	235	2192	4390	4436	-401	-478	12198	469	12667	1571	14238	49.81
8	5330	114	383	5827	268	2289	4516	4378	-460	-283	12509	738	13247	1768	15015	49.82
9	5388	119	380	5887	254	2402	4550	4451	-473	-309	12735	846	13581	1977	15558	49.80
10	5403	373	382	6158	205	2445	4667	4856	-486	-365	13349	548	13897	2259	16156	49.94
11	5222	595	384	6201	147	2429	4866	5090	-650	-521	13396	490	13886	2442	16328	49.95
12	5143	571	384	6098	126	2383	4958	4937	-697	-540	13024	645	13669	2477	16146	49.95
13	5172	416	385	5973	135	2292	4898	4741	-663	-658	12483	803	13286	2445	15731	49.81
14	5281	299	385	5965	136	2265	4810	4646	-608	-707	12305	734	13039	2338	15377	49.94
15	5403	119	382	5904	81	2348	4791	4784	-632	-575	12542	627	13169	2355	15524	49.85
16	5308	119	383	5810	89	2393	4681	4688	-628	-486	12494	515	13009	2362	15371	49.87
17	5310	114	394	5818	102	2242	4754	4935	-619	-734	12363	461	12824	2354	15178	49.93
18	5373	118	395	5886	108	2184	4122	3941	-423	-812	11322	583	11905	2326	14231	50.11
19	5551	222	460	6233	113	2199	4443	4308	-478	-731	12172	133	12305	2353	14658	50.02
20	5629	531	466	6626	102	2223	4560	4492	-528	-487	13006	136	13142	2413	15555	50.01
21	5550	340	470	6360	126	2244	4192	4310	-464	-574	12485	76	12561	2367	14928	49.99
22	5576	214	472	6262	125	2220	4198	4124	-464	-643	12088	55	12143	1953	14096	49.98
23	5511	121	465	6097	117	2223	4034	3452	-459	-531	11358	12	11370	1857	13227	50.07
24	5499	116	466	6081	147	2147	3731	3370	-391	-457	11288	8	11296	1690	12986	50.00
MUs	127.49	5.32	9.69	142.51	3.56	53.50	103.12	101.70	-10.75	-11.20	290.40	8.06	298.46	47.30	345.76	49.95

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 30/Jan/2013

Position as on 6.30 Hrs of 31/Jan/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
Koyna Unit 4	75	17/01/2013	07.25		Continued.	Injector metal filling.	02/02/2013
Koyna Unit 3	75	17/01/2013	08.15		Continued.	Water Leakage.	02/02/2013
Cent_Sect Tarapur 1	80	28/01/2013	22.15		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Tata Trombay 6	500	23/01/2013	22.57		Continued.	Economy Shutdown.	
Parli Unit 5	210	24/01/2013	22.45		Continued.	Boiler Tube Leakage.	31/01/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Economiser tube leakage.	
Uran Unit 6	108	25/01/2013	20.25		Continued.	Gas Shortage	
Bhusawal Unit 4	500	27/01/2013	09.13		Continued.	Boiler tube leakage.	
Bhusawal Unit 5	500	28/01/2013	19.32	30/01/2013	01.26	Condenser Low Vacuum	
Parli Unit 3	210	30/01/2013	10.04	30/01/2013	12.56	Bus Bar protection operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2013

Position as on 6.30 Hrs of 31/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	17/01/2013	13.49		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/01/2013	17.39		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	29/01/2013	20.35	30/01/2013	09.47	Over Voltage
Dhule-Sar'Sarovar - II	30/01/2013	22.17		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	28/01/2013	16.57		Continued.	To Control Wardha-Yavatmal Line Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	20/01/2013	17.07		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
400/220 KV 600 MVA ICT-II @ Kalwa	18/01/2013	08.29		Continued.	Replacement of R ph.T/F.(Outage upto 03.02.2013)
Koradi - Indiabull (Nandgaonpeth)	28/01/2013	09.00		Continued.	Tower Erection
Padgha - Nagothane- II	29/01/2013	09.45		Continued.	CB Overhauling(Taken on TBC)
Karad-New Koyna II	29/01/2013	15.10		Continued.	Insulator replacement(ready for charging from 16.58Hrs/30-1-2013)
Chandrapur - Parli - III	29/01/2013	20.44	30/01/2013	07.27	Over Voltage
400/220KV 500MVA ICT- I at Khaperkheda	30/01/2013	10.08	30/01/2013	16.49	Tan Delta of Line CT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Kalwa - Salshet - IV	28/01/2013	10.29		Continued.	Replacement of Isolator(Taken on TBC)
Main Bus at Deepnagar	29/01/2013	10.31	30/01/2013	15.17	connecting 220KV M.B.I Conductor Jumpers to 220KV Khadka Line-I Bay
Karad-Pophali-II	30/01/2013	09.40	30/01/2013	19.05	Replacement of Insulator
220/132KV.100MVA T/F at Hinganghat	30/01/2013	11.40	30/01/2013	14.45	Oil Leakage
220/132 KV 200 MVA ICT - I @ Beed	30/01/2013	11.45	30/01/2013	13.13	Checking of Diff.relay
Khaparkheda-Ambazari - I	30/01/2013	12.02	30/01/2013	16.40	Replacement of NIT Switch
220/132KV,100MVA ICT-II @ Kanhan	30/01/2013	13.36		Continued.	Replacement of 100MVA ICT-II by 200MVA
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2013

Position as on 6.30 Hrs of 31/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
80MVAR Bus reactor breaker-I at BBLSR	08/01/2013	05.35		Continued.	Air leakage in B phase of CB(Taken on TBC at 17.43Hrs/15-1-2013)
Deepnagar-Aurangabad-I	12/01/2013	13.36		Continued.	Over Voltage.
Karad - Kolhapur - II	25/01/2013	20.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/01/2013	17.05		Continued.	Over Voltage
Karad - Kolhapur - I	29/01/2013	16.09	30/01/2013	08.35	Over Voltage
Padgha - Nagothane- II	29/01/2013	23.47	30/01/2013	08.41	Over Voltage
Lonikand- Koyna Stage IV	30/01/2013	00.07	30/01/2013	08.05	Over Voltage
Karad - Kolhapur - I	30/01/2013	17.11		Continued.	Over Voltage
Chandrapur - Parli - III	30/01/2013	21.43		Continued.	Over Voltage
Padgha - Nagothane- II	30/01/2013	22.25		Continued.	Over Voltage
Lonikand- Koyna Stage IV	31/01/2013	00.43		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Karad-Jaigad I	30/01/2013	00.04	30/01/2013	08.50	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Main Bus-II at parli 1	30/01/2013	10.04	30/01/2013	13.37	Bus Bar protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Daund-Shrigonda	30/01/2013	07.32	30/01/2013	07.55	Transient Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	140
	620	260
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	360
Parli		
Unit 3	210	135
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	245
	1130	380
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	195
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2025
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1260
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	470
	852	470
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	240
	1920	940
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	183
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	995
WARDHA	405	361
Adani	660	
Other CPPs	0	
	2265	1356
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4399
	3455	4399