



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Jan/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.527	3044.502	1) Gujrat	5.463	212.855
2) Hydro	6.057	217.407	2) Madhya Pradesh	16.589	370.164
3) Gas	12.543	280.056	3) Chattisgarh	9.060	231.710
Total MSGENCO	146.127	3541.965	4) Maharashtra	64.040	1572.427
B) 1) JSW JAIGAD	23.809	646.685	5) Goa	-5.151	-134.817
2) WPCL	8.716	220.208	6) TAPS 1&2 Injection	3.798	81.319
3) ADANI	8.860	223.660	7) RGPPL Injection	5.322	156.667
4) Other CPP / IPP	9.119	241.654	8) Pench (Excess)	-0.243	-4.702
5) Wind Generation	3.535	85.860	# Total Cent. Sector	98.878	2485.623
6) PENCH (MS)	0.243	4.702	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.953	-209.363
1) TPCL Thermal	19.670	512.328	G) Bilateral Power *		
2) TPCL Hydro	4.119	110.205	1) MSEDCL Bilateral	35.369	968.311
TOTAL TPCL	23.789	622.533	Include PX	0.000	-1.428
3) REL Thermal	11.647	299.879	2) MUMBAI Bilateral	9.825	229.428
D) STATE			Include PX	-1.317	-54.562
1) Thermal (A1+C1+C3)	158.844	3856.709	3) MUMBAI Schedule	9.825	229.428
2) Hydro (A2+B5+C2)	10.419	332.314	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.543	280.056	1) MSEDCL	289.334	7240.994
4) Wind (B4)	3.535	85.860	2) TPCL	29.817	754.060
5) CPP (B1+B2+B3)	50.504	1117.407	3) REL	15.569	377.969
TOTAL STATE	235.845	5672.346	TOTAL STATE	334.720	8373.023

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5560	5471	4646
MSGENCO Hydro	512	278	123
MSGENCO Gas	534	506	552
MSGENCO Total Generation	6606	6255	5321
Central Sector Receipt	4725	4453	3665
WIND	219	201	141
CPP / IPP	2162	2127	1897
Exchange with Mumbai	-345	-440	-189
MSEDCL DEMAND MET	13401	12639	10835
Load Shedding	480	27	37
MSEDCL DEMAND	13881	12666	10872
TPCL GENERATION	1293	1327	660
R-INFRA GENERATION	528	528	392
TPCL+R-INFRA DEMAND	2166	2295	1241
STATE DEMAND MET	15567	14934	12076
STATE DEMAND	16047	14961	12113
Frequency (Hz)	49.79	49.69	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 16.04 Hrs	49.44 Hz at 20.19 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 25/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	3.20	66.57	158	115	130
Unit 7	3.40	71.93	165	120	155
Total	6.59	138.50			285
Bhusawal					
Unit 2	3.94	64.45	180	145	180
Unit 3	3.84	97.26	175	140	180
Unit 4	10.14	151.30	470	345	452
Unit 5	0.00	33.10	0	0	
Total	17.92	346.12			812
Parli					
Unit 3	3.28	76.54	146	126	140
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	89.22	0	0	0
Unit 6	3.24	134.86	251	0	0
Unit 7	0.00	0.00	0	0	0
Total	6.52	300.62			140
Chandrapur					
Unit 1	3.42	90.85	150	117	160
Unit 2	3.39	68.26	155	105	150
Unit 3	4.73	116.52	201	183	200
Unit 4	4.75	101.25	200	194	200
Unit 5	9.84	244.46	435	370	400
Unit 6	10.64	212.62	475	365	400
Unit 7	10.18	223.25	460	359	425
Total	46.95	1057.22			1935
Paras					
Unit 3	5.28	123.38	239	180	215
Unit 4	5.36	134.32	243	186	215
Total	10.63	257.69			430
Khaparkheda					
Unit 1	3.66	101.42	180	120	185
Unit 2	3.67	98.78	170	135	185
Unit 3	3.68	98.28	175	132	185
Unit 4	3.86	107.24	181	142	185
Unit 5	11.42	230.98	512	353	500
Total	26.29	636.71			1240
Nasik					
Unit 3	4.28	108.08	195	160	190
Unit 4	3.99	103.27	182	156	185
Unit 5	4.34	96.30	191	172	190
Total	12.61	307.64			565
Uran					
All Units	12.54	280.06	554	389	540
Total	12.54	280.06			540
PENCH (MS)					
Pench (MS)	0.24	4.70	43	0	
Total	0.24	4.70			
Koyna					
Stage 1-2	1.44	60.79	215	40	450
Stage 4	0.00	37.22	0	0	250
Stage 3	0.09	21.04	68	0	240
Kovna 12&4 Total	1.44	98.02			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.54	119.06			940
Hydro					
KDPH	0.76	11.41	38	19	20
VTRNA	0.00	1.46	0	0	0
TILLARI	0.34	3.55	60	0	60
BHTGR/VEER	0.05	1.75	3	2	6
BHIRA T.R.	0.29	7.07	81	0	80
RNGR+BHTSA	0.20	8.97	15	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.10	24.31	59	42	20
GHATGHAR	1.79	39.78	250	0	
Total	4.52	98.35			186
Wind					
MalharPeth	0.18	4.49			
Vankuswadi	0.22	6.52			
ATIT	0.04	2.48			
Kale	0.04	2.01			
Satara	0.06	8.00			
Shirala	0.15	2.83			
K Mahankal	0.11	3.38			
Supa	0.09	1.60			
Vita	0.15	10.30			
Dondaicha	1.85	29.32			
Sakri	0.26	3.79			
Nandurbar	0.13	2.56			
Khandke	0.13	4.92			
Khaparale	0.14	3.67			
Total	3.54	85.86			
CPP					
JSW JAIGAD	23.81	646.68	1033	864	930
WARDHA	8.72	220.21	374	295	370
Adani	8.86	223.66	380	360	
Other CPPs	9.12	241.65			
Total	50.50	1332.21			1300
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.67	236.89	498	284	500
Trombay 6	0.00	104.15	0	0	0
Trombay 7A	2.87	72.81	130	106	120
Trombay 7B	1.60	40.46	69	61	60
Trombay 8	5.52	58.02	253	193	250
TATA Hydro	4.12	110.20	459	0	447
Total	23.79	622.53			1377
REL					
1&2	11.65	299.88	529	390	500
Total	11.65	299.88			500
Cent Sect					
Share					4566
Total					4566

MS PG CL	Thermal	127.53	3044.50			5407
	Thml+Gas	140.07	3324.56			5947
	Hydro	6.06	217.41			1126
	Total	146.13	3541.96			7073
State Total		235.84	5672.35			14816

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	5241	118	552	5911	276	2034	3831	3130	-271	-453	10898	9	10907	1493	12400	50.16
2	5087	123	552	5762	184	2001	3758	3281	-193	-291	10937	23	10960	1341	12301	50.07
3	4788	118	552	5458	167	1910	3740	3534	-104	-219	10850	37	10887	1272	12159	50.00
4	4646	123	552	5321	141	1897	4005	3665	-346	-189	10835	37	10872	1241	12113	49.99
5	4750	158	554	5462	125	1975	3894	3606	-288	-217	10951	80	11031	1267	12298	50.02
6	5153	203	552	5908	123	2111	3727	3429	-162	-230	11341	165	11506	1360	12866	49.92
7	5190	273	551	6014	106	2165	4188	3720	-370	-76	11929	352	12281	1489	13770	49.90
8	5339	293	546	6178	111	2170	4431	4515	-425	-163	12811	462	13273	1647	14920	49.69
9	5483	423	534	6440	128	2161	4511	4711	-461	-282	13184	620	13804	1862	15666	49.71
10	5560	512	534	6606	219	2162	4551	4725	-464	-345	13401	480	13881	2166	16047	49.79
11	5550	465	530	6545	134	2163	4698	4694	-539	-480	13096	348	13444	2359	15803	49.78
12	5638	247	528	6413	180	2171	4776	4869	-565	-476	13167	13	13180	2390	15570	49.78
13	5659	317	523	6499	109	2151	4594	4674	-546	-455	12978	9	12987	2374	15361	49.82
14	5621	372	525	6518	60	2158	4573	4360	-525	-402	12694	7	12701	2222	14923	49.97
15	5581	372	524	6477	52	2161	4500	4154	-523	-409	12435	6	12441	2210	14651	49.99
16	5589	372	530	6491	59	2161	4400	4371	-519	-390	12692	6	12698	2185	14883	50.05
17	5617	192	531	6340	83	2165	4516	3963	-516	-500	12051	4	12055	2184	14239	50.07
18	5511	122	533	6166	127	2099	4158	3787	-393	-584	11595	5	11600	2161	13761	50.07
19	5469	228	516	6213	137	2138	4488	4367	-443	-633	12262	5	12267	2235	14502	49.80
20	5471	278	506	6255	201	2127	4566	4453	-458	-440	12639	27	12666	2295	14961	49.69
21	5261	259	479	5999	236	2145	4422	4501	-452	-598	12326	26	12352	2175	14527	49.81
22	5179	213	480	5872	182	2092	4422	4341	-452	-806	11688	26	11714	1991	13705	49.90
23	5116	138	470	5724	176	2086	4220	4162	-440	-724	11424	0	11424	1819	13243	50.00
24	5028	138	389	5555	219	2101	3727	3866	-370	-591	11150	0	11150	1651	12801	50.03
MUs	127.53	6.06	12.54	146.13	3.54	50.50	102.70	98.88	-9.82	-9.95	289.33	2.75	292.08	45.39	337.47	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 25/Jan/2013

Position as on 6.30 Hrs of 26/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.	
Parli Unit 7	250	22/12/2012	20.46		Continued.	w/dn for water shortage	
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
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.	
CPP WPCL U-4	135	11/01/2013	13.42		Continued.	Bottom ash problem.	
Bhusawal Unit 5	500	22/01/2013	11.52		Continued.	Coal Mill Problem	
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.	27/01/2013
Parli Unit 6	250	25/01/2013	02.00	25/01/2013	07.02	Low Vaccum.	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Economiser tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2013

Position as on 6.30 Hrs of 26/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 - S'Sarovar- II	22/01/2013	21.55	26/01/2013	07.07	Over Voltage
Akola - Aurangabad- II	25/01/2013	11.07	25/01/2013	14.23	To take line reactor out of service.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	20/01/2013	17.07		Continued.	Over Voltage.
Parli-Parli (PGCIL)-II	24/01/2013	14.20	25/01/2013	08.12	R Ph. of 400KV Main Bus-II Conductor Sanpped on Parly PG-II Bay & Bus Dead.
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)
400 KV Bus Coupler @ Kalwa	24/01/2013	08.48		Continued.	Replacement of 29C Iso.
New Koyna - Karad - I	24/01/2013	12.07	25/01/2013	09.43	rEPL.of Insu.(Ready for Charging @ 1920 Hrs).
Aux.Bus at Khaarghar	25/01/2013	09.25	25/01/2013	16.45	Isolator alignment.
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
Babaleshwar - Alephata	13/01/2013	09.52		Continued.	Replacement of faulty insulator.Line on TBC at BBLSR end.
Nigade - Peth	17/01/2013	09.12		Continued.	Repl.of Bkr under JICA Ph-II.
200 MVA ICT - III @ Mudsungi	24/01/2013	11.15		Continued.	Leakages Thro CTR & Topping of Oil Inconserv.Tank.
Bale-Lamboti II	24/01/2013	13.19	26/01/2013	05.53	Conductor replacement work.
Miraj - Kadegaon	24/01/2013	15.40		Continued.	Q.M. & Iso. Replacement.
Temghar-Colourchem	25/01/2013	08.36	25/01/2013	18.30	Breaker machanism overhauling.
220/132KV 200MVA ICT-II at BBLSR	25/01/2013	11.05	25/01/2013	13.10	LV R ph.CT oil leakage.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Palghar-Railway-II	24/01/2013	11.20		Continued.	ABT Meter Testing & C B Leakage.
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.
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2013

Position as on 6.30 Hrs of 26/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	19/01/2013	16.23	25/01/2013	09.30	Over Voltage.
Bhusawal- Aurangabad	24/01/2013	20.22	25/01/2013	07.59	Over Voltage.
Lonikand- Koyna Stage IV	25/01/2013	00.05	25/01/2013	07.20	Over Voltage.
Bhusawal- Aurangabad	25/01/2013	17.07		Continued.	Over Voltage.
Karad - Kolhapur - II	25/01/2013	20.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Wardha-Deoli	24/01/2013	14.30		Continued.	Yawatmal Area Line Loading Control.
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.
Bhusawal - Deepnagar - I	06/01/2013	21.22		Continued.	Due to B ph.CT burst.
Karad - Kolhapur - I	25/01/2013	02.00		Continued.	Ocer Voltage.
Kolhapur-Jaigad-I	26/01/2013	02.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Jambul - Pal	24/01/2013	13.40		Continued.	B Ph. L A Burst.
Borivali (MSETCL) - Borivali(TATA)-II	25/01/2013	05.30	25/01/2013	05.39	Dist.Protec.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	90
Unit 7	210	115
	620	205
Bhusawal		
Unit 2	210	180
Unit 3	210	165
Unit 4	500	450
Unit 5	500	
	1420	795
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	140
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	350
	2340	1905
Paras		
Unit 3	250	240
Unit 4	250	240
	500	480
Khaparkheda		
Unit 1	210	185
Unit 2	210	185
Unit 3	210	185
Unit 4	210	185
Unit 5	500	500
	1340	1240
Nasik		
Unit 3	210	190
Unit 4	210	185
Unit 5	210	190
	630	565
Uran		
All Units	852	370
	852	370
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	18
GHATGHAR	250	
	611	201
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	978
WARDHA	405	360
Adani	660	
Other CPPs	0	
	2265	1338
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	4274
	3455	4274