



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jan/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.616	2533.222	1) Gujrat	5.504	182.270
2) Hydro	7.609	191.255	2) Madhya Pradesh	14.989	304.783
3) Gas	11.676	230.042	3) Chattisgarh	8.820	195.990
Total MSGENCO	145.901	2954.519	4) Maharashtra	62.802	1309.212
B) 1) JSW JAIGAD	25.632	549.145	5) Goa	-5.051	-113.535
2) WPCL	8.888	185.197	6) TAPS 1&2 Injection	3.759	65.825
3) ADANI	9.840	186.290	7) RGPPL Injection	5.591	136.992
4) Other CPP / IPP	10.769	204.694	8) Pench (Excess)	-0.188	-4.280
5) Wind Generation	2.502	71.310	# Total Cent. Sector	96.226	2077.257
6) PENCH (MS)	0.188	4.280	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.907	-166.404
1) TPCL Thermal	20.251	434.144	G) Bilateral Power *		
2) TPCL Hydro	4.491	92.139	1) MSEDCL Bilateral	41.142	814.220
TOTAL TPCL	24.742	526.283	Include PX	0.000	-1.428
3) REL Thermal	12.102	253.469	2) MUMBAI Bilateral	9.685	187.282
D) STATE			Include PX	-2.011	-50.807
1) Thermal (A1+C1+C3)	158.969	3220.835	3) MUMBAI Schedule	9.685	187.282
2) Hydro (A2+B5+C2)	12.288	287.674	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.676	230.042	1) MSEDCL	292.039	6066.288
4) Wind (B4)	2.502	71.310	2) TPCL	29.835	631.169
5) CPP (B1+B2+B3)	55.129	948.876	3) REL	14.913	315.124
TOTAL STATE	240.564	4758.737	TOTAL STATE	336.787	7012.581

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5321	5371	5026
MSGENCO Hydro	880	370	121
MSGENCO Gas	468	480	501
MSGENCO Total Generation	6669	6221	5648
Central Sector Receipt	4799	4332	3066
WIND	57	44	122
CPP / IPP	2516	2485	2094
Exchange with Mumbai	-412	-433	-154
MSEDCL DEMAND MET	13662	12649	10776
Load Shedding	481	256	96
MSEDCL DEMAND	14143	12905	10872
TPCL GENERATION	1374	1285	662
R-INFRA GENERATION	529	528	399
TPCL+R-INFRA DEMAND	2315	2246	1215
STATE DEMAND MET	15977	14895	11991
STATE DEMAND	16458	15151	12087
Frequency (Hz)	50.01	49.98	50.31

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.61 Hz at 04:04 Hrs	49.48 Hz at 06:38 Hrs	50.04	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 21/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	3.77	52.91	179	130	150
Unit 7	3.66	57.17	180	125	170
Total	7.44	110.08			320
Bhusawal					
Unit 2	3.77	48.52	175	130	180
Unit 3	4.02	81.86	180	145	170
Unit 4	4.96	113.26	430	0	0
Unit 5	4.21	31.76	235	0	0
Total	16.96	275.40			350
Parli					
Unit 3	3.11	63.20	140	120	130
Unit 4	0.00	0.00	0	0	0
Unit 5	3.06	79.68	140	109	140
Unit 6	5.41	116.66	249	188	215
Unit 7	0.00	0.00	0	0	0
Total	11.58	259.55			485
Chandrapur					
Unit 1	3.65	76.88	156	149	160
Unit 2	3.52	54.44	160	130	140
Unit 3	4.82	97.90	205	193	205
Unit 4	0.00	90.64	0	0	0
Unit 5	9.87	205.51	428	365	425
Unit 6	10.60	171.27	473	365	450
Unit 7	8.88	184.45	393	335	370
Total	41.33	881.10			1750
Paras					
Unit 3	4.95	102.80	218	199	220
Unit 4	5.02	114.07	225	180	220
Total	9.97	216.86			440
Khaparkheda					
Unit 1	4.06	86.18	195	135	185
Unit 2	3.92	84.79	185	120	185
Unit 3	4.37	83.12	209	153	185
Unit 4	4.39	90.59	209	165	185
Unit 5	10.19	188.33	490	328	500
Total	26.94	533.01			1240
Nasik					
Unit 3	4.01	91.05	185	140	195
Unit 4	4.08	87.10	178	156	185
Unit 5	4.31	79.07	191	173	195
Total	12.40	257.22			575
Uran					
All Units	11.68	230.04	501	468	480
Total	11.68	230.04			480
PENCH (MS)					
Pench (MS)	0.19	4.28	47	0	0
Total	0.19	4.28			0
Koyna					
Stage 1-2	1.78	54.46	195	35	450
Stage 4	0.66	35.20	221	0	250
Stage 3	0.56	19.32	158	0	240
Kovna 12&4 Total	2.45	89.66			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.00	108.99			940
Hydro					
KDPH	0.46	9.26	20	19	36
VTRNA	0.00	1.46	0	0	61
TILLARI	0.24	2.28	60	0	0
BHTGR/VEER	0.05	1.55	3	2	3
BHIRA T.R.	0.17	5.96	46	0	80
RNGR+BHTSA	0.37	7.69	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.08	20.12	52	42	20
GHATGHAR	2.23	33.91	240	0	0
Total	4.60	82.27			215
Wind					
MalharPeth	0.09	3.82			
Vankuswadi	0.17	5.19			
ATIT	0.01	2.34			
Kale	0.04	1.73			
Satara	0.21	7.63			
Shirala	0.04	2.46			
K Mahankal	0.01	2.21			
Supa	0.07	1.36			
Vita	0.17	8.57			
Dondaicha	1.12	23.64			
Sakri	0.13	3.03			
Nandurbar	0.09	2.13			
Khandke	0.18	4.04			
Khaparale	0.17	3.16			
Total	2.50	71.31			
CPP					
JSW JAIGAD	25.63	549.14	1199	907	1100
WARDHA	8.89	185.20	380	361	370
Adani	9.84	186.29	480	360	
Other CPPs	10.77	204.69			
Total	55.13	1125.33			1470
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.93	206.47	501	244	500
Trombay 6	0.00	96.65	0	0	0
Trombay 7A	3.00	61.07	134	115	120
Trombay 7B	1.64	33.97	71	64	60
Trombay 8	5.68	35.99	252	195	250
TATA Hydro	4.49	92.14	423	0	447
Total	24.74	526.28			1377
REL					
1&2	12.10	253.47	530	390	500
Total	12.10	253.47			500
Cent Sect					
Share					4371
Total					4371

MS PG CL	Thermal	126.62	2533.22			5160
	Thml+Gas	138.29	2763.26			5640
	Hydro	7.61	191.26			1155
	Total	145.90	2954.52			6795
State Total		240.56	4758.74			14513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	5144	121	496	5761	99	2153	3552	3294	-174	-155	11152	100	11252	1334	12586	50.12
2	5026	121	501	5648	122	2094	3498	3066	-117	-154	10776	96	10872	1215	12087	50.31
3	4837	121	501	5459	165	2065	3480	3342	-99	-112	10919	95	11014	1161	12175	50.33
4	4842	120	501	5463	134	2085	3466	3445	-84	-74	11053	95	11148	1125	12273	50.28
5	4951	125	500	5576	142	2067	3476	3551	-96	-100	11236	123	11359	1149	12508	50.20
6	5130	275	500	5905	141	2171	3467	3573	-87	-55	11735	208	11943	1273	13216	49.98
7	5314	220	500	6034	175	2256	3995	3781	-274	-59	12187	519	12706	1483	14189	49.85
8	5350	295	501	6146	115	2334	4186	4248	-329	-155	12688	767	13455	1642	15097	49.87
9	5381	505	499	6385	82	2513	4291	4430	-417	-265	13145	810	13955	1889	15844	49.91
10	5387	952	492	6831	62	2511	4412	4284	-425	-277	13421	555	13976	2163	16139	49.89
11	5321	880	468	6669	57	2516	4720	4799	-607	-412	13662	481	14143	2315	16458	50.01
12	5279	793	479	6551	32	2529	4867	4719	-707	-501	13350	576	13926	2364	16290	49.92
13	5321	384	468	6173	21	2507	4898	4714	-651	-462	12973	725	13698	2328	16026	50.05
14	5415	157	469	6041	45	2515	4861	4601	-613	-441	12761	601	13362	2242	15604	50.13
15	5409	320	470	6199	35	2500	4665	4756	-543	-439	13051	260	13311	2255	15566	49.90
16	5374	370	477	6221	47	2504	4555	4636	-577	-411	12997	286	13283	2252	15535	49.93
17	5371	370	480	6221	44	2485	4609	4332	-603	-433	12649	256	12905	2246	15151	49.98
18	5424	265	478	6167	45	2314	3980	3561	-571	-551	11536	201	11737	2247	13984	50.03
19	5369	365	480	6214	107	2267	4421	4036	-516	-525	12132	151	12283	2274	14557	49.87
20	5399	354	481	6234	182	2202	4461	3986	-477	-462	12189	206	12395	2318	14713	50.00
21	5507	123	481	6111	182	2174	4206	3917	-465	-441	11963	193	12156	2139	14295	50.05
22	5363	130	483	5976	156	2158	4190	3797	-465	-606	11486	167	11653	1981	13634	50.06
23	5388	124	485	5997	159	2098	3981	3554	-447	-479	11329	95	11424	1788	13212	50.00
24	5314	119	486	5919	153	2111	3717	3804	-340	-338	11649	79	11728	1568	13296	50.19
MUs	126.62	7.61	11.68	145.90	2.50	55.13	99.95	96.23	-9.69	-7.91	292.04	7.65	299.68	44.75	344.44	50.04

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 21/Jan/2013

Position as on 6.30 Hrs of 22/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
Tata Trombay 6	500	19/01/2013	23.27		Continued.	Economy Shutdown.	31/01/2013
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.	
Uran Unit 8	108	09/01/2013	12.48		Continued.	Gas Shortage.	
CPP WPCL U-4	135	11/01/2013	13.42		Continued.	Bottom ash problem.	
Bhusawal Unit 4	500	18/01/2013	10.29	21/01/2013	05.40	Boiler tube leakage.	
Chandrapur Unit 4	210	20/01/2013	09.24		Continued.	Boiler tube leakage.	
Bhusawal Unit 5	500	21/01/2013	09.44	21/01/2013	12.32	Furnace pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2013

Position as on 6.30 Hrs of 22/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
Bhoiser - Tarapur - I	21/01/2013	09.02	21/01/2013	10.30	Remove Back Charging of Zone-III
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nasik-Navsari -II	21/01/2013	14.18	21/01/2013	15.38	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/01/2013	22.18		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.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal 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)
New Koyana - Karad - I	21/01/2013	10.00	21/01/2013	14.57	CVT Checking
400/220KV 500MVA ICT-I at Khaperkheda	21/01/2013	10.24	21/01/2013	14.08	Measurement of Tie Breaker Timing (ICT will be charged through Main Breaker)
400/220KV 500MVA ICT-I at Khaperkheda	21/01/2013	14.13	21/01/2013	16.36	Measurement of Main Breaker Timing (ICT will be charged through Tie Breaker)
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
220/132KV 100 MVA ICT-I @ Kanhan	26/12/2012	08.56	21/01/2013	18.36	Replacement of 100 MVA ICT by 200 MVA ICT.
Babaleshwar - Alephata	13/01/2013	09.52		Continued.	Replacement of faulty insulator.Line on TBC at BBLSR end.
220/100KV 200MVA ICT-I at Mudshingi	16/01/2013	11.45		Continued.	Oil Leakage & Maint.Work.
Nigade - Peth	17/01/2013	09.12		Continued.	Repl.of Bkr under JICA Ph-II.
220/132 KV 100 MVA ICT - I at Balapur	18/01/2013	14.44	21/01/2013	16.33	Work buchholz relay.
Khaparkheda-Kawlewada-I	21/01/2013	08.24	21/01/2013	19.47	Replacement of Earth Wire
Kalwa - Bapgaon	21/01/2013	08.32		Continued.	Shifting of line on New Tower
Uran-Kharghar-II	21/01/2013	09.07	21/01/2013	17.18	C.T.Leakage
Main Bus at Tilwani	21/01/2013	10.00	21/01/2013	17.47	Q.M.work
Butibori MIDC-VIPL-II	21/01/2013	10.24		Continued.	Erection of New Line

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2013

Position as on 6.30 Hrs of 22/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Tillawni-Talangade-I	21/01/2013	11.02	21/01/2013	17.47	Testing work
Tilwani - Talandge - II	21/01/2013	11.02	21/01/2013	20.02	Testing work
Valve-Jamde	21/01/2013	11.33	21/01/2013	17.20	Replacement of Old Battery Set
Chandrapur-Wani	21/01/2013	13.58	21/01/2013	21.05	Measurement of Tan Delta of CT
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
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.
Bhusawal- Aurangabad	18/01/2013	16.10		Continued.	Over Voltage.
Karad - Kolhapur - II	19/01/2013	16.23		Continued.	Over Voltage.
Karad - Kolhapur - I	20/01/2013	16.38	21/01/2013	09.24	Over Voltage.
Dhule - Babhaleshwar - I	20/01/2013	22.20	21/01/2013	06.59	Over Voltage.
Padgha - Nagothane- II	21/01/2013	00.23	21/01/2013	07.52	Over Voltage.
Karad - Kolhapur - I	21/01/2013	16.34		Continued.	Over Voltage
Dhule - Babhaleshwar - I	21/01/2013	22.04		Continued.	Over Voltage
Chandrapur - Parli - III	21/01/2013	23.52		Continued.	Over Voltage
Padgha - Nagothane- II	22/01/2013	00.10		Continued.	Over Voltage
Karad-Jaigad I	22/01/2013	02.14		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.
Bhusawal - Deepnagar - I	06/01/2013	21.22		Continued.	Due to B ph.CT burst.
Dabhol - Nagothane - I	21/01/2013	02.58	21/01/2013	07.46	Over Voltage.
Dabhol - Nagothane - I	22/01/2013	01.44		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	155
	620	325
Bhusawal		
Unit 2	210	180
Unit 3	210	450
Unit 4	500	
Unit 5	500	
	1420	630
Parli		
Unit 3	210	124
Unit 4	210	0
Unit 5	210	130
Unit 6	250	182
Unit 7	250	0
	1130	436
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	0
Unit 5	500	425
Unit 6	500	450
Unit 7	500	400
	2340	1785
Paras		
Unit 3	250	225
Unit 4	250	225
	500	450
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	195
Unit 4	210	190
Unit 5	210	195
	630	580
Uran		
All Units	852	480
	852	480
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	0
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	142
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	600	1100
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1470
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	250
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4570
	3455	4570