



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jan/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.875	2522.166	1) Gujrat	8.179	105.003
2) Hydro	10.166	212.986	2) Madhya Pradesh	19.440	451.874
3) Gas	11.955	303.951	3) Chattisgarh	11.840	272.080
Total MSGENCO	138.996	3039.103	4) Maharashtra	50.290	1071.278
B) OTHERS			5) Goa	-4.854	-120.472
1) JSW JAIGAD	18.733	496.429	6) TAPS 1&2 Injection	7.791	171.528
2) WPCL	6.369	169.829	7) RGPPL Injection	24.970	549.105
3) Other CPP / IPP	7.535	146.734	8) Pench (Excess)	-0.383	-7.415
4) Wind Generation	4.142	82.526	# Total Cent. Sector	117.273	2492.981
5) PENCH (MS)	0.383	9.698	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-4.521	-123.187
1) TPCL Thermal	14.630	470.875	G) Bilateral Power *		
2) TPCL Hydro	4.634	88.269	1) MSEDCL Bilateral	31.318	851.526
TOTAL TPCL	19.264	559.144	Include PX	0.000	56.205
3) REL Thermal	12.671	258.858	2) MUMBAI Bilateral	4.239	169.675
D) STATE			Include PX	-6.286	-77.130
1) Thermal (A1+C1+C3)	144.176	3251.899	3) MUMBAI Schedule	4.239	174.917
2) Hydro (A2+B5+C2)	15.183	310.953	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.955	303.951	1) MSEDCL	288.910	6314.113
4) Wind (B4)	4.142	82.526	2) TPCL	23.138	631.065
5) CPP (B1+B2+B3)	32.637	812.992	3) REL	13.317	310.153
TOTAL STATE	208.093	4762.321	TOTAL STATE	325.365	7255.331

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5056	4893	4563
MSGENCO Hydro	1123	422	178
MSGENCO Gas	512	517	456
MSGENCO Total Generation	6691	5832	5197
Central Sector Receipt	5509	5306	4344
WIND	84	134	165
CPP / IPP	1437	1389	1319
Exchange with Mumbai	-301	-240	-123
MSEDCL DEMAND MET	13420	12468	10902
Load Shedding (LS)	1858	443	0
MSEDCL DEMAND (INCL. LS)	15278	12911	10902
TPCL GENERATION	939	1061	527
REL GENERATION	527	528	527
TPCL+REL DEMAND	1767	1829	1177
STATE DEMAND MET	15187	14297	12079
Load Management (LM)	2093	3546	1650
Total Load Relief (LS+LM)	3951	3989	1650
UNRESTRICTED STATE DEMAND	19138	18286	13729
Frequency (Hz)	49.74	49.70	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 18.01 Hrs	49.35 Hz at 21.02 Hrs	49.85	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 22/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.75	32.11	172	131	170
Unit 6	0.00	30.65	0	0	0
Unit 7	4.19	88.27	190	145	175
Total	7.94	151.03			345
Bhusawal					
Unit 2	4.28	73.46	190	160	180
Unit 3	3.73	93.96	190	0	180
Unit 4	0.00	0.00	0	0	
Total	8.00	167.42			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.61	94.39	198	178	195
Unit 5	0.20	57.78	103	0	0
Unit 6	4.33	95.19	238	138	180
Unit 7	0.24	91.89	176	0	0
Total	9.38	339.25			375
Chandrapur					
Unit 1	3.57	80.31	156	141	160
Unit 2	3.88	82.06	166	153	160
Unit 3	3.82	83.52	178	142	180
Unit 4	4.96	110.49	212	198	210
Unit 5	10.49	150.06	480	375	375
Unit 6	11.01	226.52	482	441	450
Unit 7	9.71	209.11	461	311	450
Total	47.44	942.08			1985
Paras					
Unit 3	6.02	121.11	255	240	250
Unit 4	5.87	117.52	260	212	250
Total	11.89	238.63			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.49	97.53	192	179	200
Unit 3	4.78	103.96	223	176	210
Unit 4	5.14	111.34	224	194	210
Unit 5	4.11	85.53	375	0	
Total	18.51	398.36			620
Nasik					
Unit 3	4.86	109.91	220	175	210
Unit 4	4.77	106.76	207	188	210
Unit 5	4.08	68.71	174	163	180
Total	13.70	285.38			600
Uran					
All Units	11.96	303.95	527	418	475
Total	11.96	303.95			475
PENCH (MS)					
Pench (MS)	0.38	9.70	47	0	
Total	0.38	9.70			
Koyna					
Stage 1-2	1.70	46.94	305	35	520
Stage 4	1.21	16.62	252	0	250
Stage 3	0.99	14.82	220	0	240
Total	3.89	78.38			1010
Kovna 12&4 Total	2.90	63.56			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	10.49	0	0	20
VTRNA	0.98	21.10	61	0	60
TILLARI	0.37	8.84	60	0	60
BHTGR/VEER	0.51	10.48	22	21	20
BHIRA T.R.	0.41	4.74	81	0	80
RNGR+BHTSA	0.35	7.97	15	14	15
BHANDARDRA	0.74	4.34	48	14	14
ELDARY	0.33	2.08	14	13	15
SMLHY PTN	0.82	23.04	43	31	30
GHATGHAR	1.77	41.54	250	0	0
Total	6.27	134.60			314
Wind					
MalharPeth	0.14	3.33			
Vankuswadi	0.19	5.50			
ATIT	0.02	1.61			
Kale	0.02	1.90			
Satara	0.24	10.02			
Shirala	0.09	2.13			
K Mahankal	0.34	5.10			
Supa	0.05	1.84			
Vita	0.28	11.45			
Dondaicha	2.11	25.57			
Sakri	0.22	3.48			
Nandurbar	0.16	2.34			
Khandke	0.18	4.66			
Khaparale	0.11	3.60			
Total	4.14	82.53			
CPP					
JSW JAIGAD	18.73	496.43	854	709	770
WARDHA	6.37	169.83	292	228	289
Other CPPs	7.54	146.73			
Total	32.64	812.99			1059
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	4.26	154.72	292	154	500
Trombay 7A	3.08	61.82	130	126	120
Trombay 7B	1.66	34.87	70	69	60
Trombay 8	5.64	122.19	249	173	250
TATA Hydro	4.63	88.27	363	0	447
Total	19.26	559.14			1377
REL					
1&2	12.67	258.86	529	527	500
Total	12.67	258.86			500
Cent Sect					
Share					5095
Total					5095

MS PG CL	Thermal	116.88	2522.17			4785
	Thml+Gas	128.83	2826.12			5260
	Hydro	10.17	212.99			1324
	Total	139.00	3039.10			6584
State Total		208.09	4762.32			14615

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Jan/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4980	154	470	5604	179	1282	4290	4369	-115	-246	11188	1974	11188	1367	14529	49.94
2	4831	168	470	5469	174	1265	4302	4155	-100	-190	10873	1939	10873	1246	14058	49.92
3	4563	178	456	5197	165	1319	4302	4344	-150	-123	10902	1650	10902	1177	13729	49.98
4	4549	163	450	5162	156	1275	4302	4435	-150	-86	10942	1813	10942	1141	13896	50.00
5	4568	148	418	5134	160	1282	4302	4541	-150	-76	11041	1940	11126	1139	14120	49.87
6	4618	139	447	5204	180	1393	4514	4849	-74	-95	11544	2357	11938	1213	15114	49.85
7	4660	144	465	5269	226	1460	4571	4863	-11	-129	11714	3152	12909	1296	16162	49.88
8	4751	271	504	5526	179	1396	4632	5388	-48	-62	12452	3638	13827	1365	17455	49.75
9	4854	668	527	6049	154	1422	4692	5301	-117	-149	12801	3773	14290	1529	18103	49.71
10	4917	1181	522	6620	120	1443	4853	4933	-159	-188	12938	4034	14732	1679	18651	49.69
11	4891	1046	521	6458	138	1435	5142	5547	-329	-276	13302	3999	15200	1764	19065	49.69
12	5056	1123	512	6691	84	1437	5156	5509	-345	-301	13420	3951	15278	1767	19138	49.74
13	5126	914	519	6559	116	1386	5128	5081	-313	-304	12861	4102	14868	1749	18712	49.70
14	5070	724	515	6309	135	1375	5085	5321	-260	-246	12914	3830	14698	1646	18390	49.84
15	5116	451	516	6083	146	1333	4892	5489	-186	-177	12894	3476	14493	1578	17948	49.92
16	5080	446	515	6041	197	1328	4718	5165	-143	-139	12615	3469	14319	1521	17605	49.88
17	5072	276	517	5865	179	1370	4622	4623	-138	-127	11913	3566	13253	1510	16989	49.92
18	5078	243	515	5836	132	1387	4687	4510	-125	-133	11746	3575	12588	1541	16862	50.02
19	5064	350	517	5931	117	1346	4857	4782	-175	-207	12016	4147	12649	1717	17880	49.86
20	4893	422	517	5832	134	1389	5100	5306	-281	-240	12468	3989	12911	1829	18286	49.70
21	4782	350	517	5649	253	1404	5162	5192	-260	-238	12307	3868	12651	1805	17980	49.85
22	4803	208	518	5529	294	1329	4860	4651	-223	-214	11613	3796	11907	1739	17148	49.81
23	4780	197	517	5494	318	1294	4696	4411	-196	-280	11255	3283	11255	1645	16183	49.87
24	4773	202	510	5485	206	1287	4512	4510	-191	-295	11193	2752	11193	1493	15438	49.94
MUs	116.88	10.17	11.96	139.00	4.14	32.64	113.38	117.28	-4.24	-4.52	288.91	78.07	309.99	36.46	403.44	49.85

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 22/Jan/2012

Position as on 6.30 Hrs of 23/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	24/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna ST - IV 3	250	07/01/2012	15.45	22/01/2012	12.30	Spherical Oil Tank Level Increased.	
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Koradi Unit 6	210	11/01/2012	00.20		Continued.	W/Dn,by Mahagenco.	
CPP JSW (J) U2	300	17/01/2012	22.27		Continued.	Turbine lube oil system problem.	
Koyna Unit 5	80	19/01/2012	13.20	22/01/2012	09.50	Generator Differential Protection	
CPP WPCL U-4	135	21/01/2012	14.10		Continued.	Boiler Conseovator Problem.	
Khaparkheda Unit 5	500	21/01/2012	18.15	22/01/2012	01.21	Primary Water Flow Low,Generator Protection	
Parli Unit 7	250	22/01/2012	01.33		Continued.	Boiler Tube Leakage.	
Khaparkheda Unit 5	500	22/01/2012	01.52	22/01/2012	06.45	Falme Failure.	
Bhusawal Unit 3	210	22/01/2012	08.03	22/01/2012	11.17	Control valve problem.	
Khaparkheda Unit 5	500	22/01/2012	19.32		Continued.	Primary water low.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2012

Position as on 6.30 Hrs of 23/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chakan-Talegaon(PG)	22/01/2012	09.00	22/01/2012	13.09	Attend hot spot.
Padgha - Talegaon (PG)	22/01/2012	14.21	22/01/2012	16.50	Attend hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	11/01/2012	21.56	22/01/2012	10.28	Over Voltage.
Kolhapur - Mapusa - II	20/01/2012	16.17	22/01/2012	11.05	Over Voltage.
Dhule-S'Sarovar I	20/01/2012	23.45	22/01/2012	09.29	Over Voltage.
Akola - Wardha - I	21/01/2012	17.05	22/01/2012	08.27	Over Voltage.
Akola - Aurangabad- II	21/01/2012	21.55	22/01/2012	08.39	Over Voltage.
Dhule-Sar'Sarovar - I	22/01/2012	17.06		Continued.	Over Voltage.
Kolhapur - Mapusa - I	22/01/2012	17.36		Continued.	Over Voltage.
Akola - Wardha - II	22/01/2012	21.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillari-Halkarni.	22/01/2012	12.46	22/01/2012	14.35	Distance protection,O/C sparking observed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 25.01.2012
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 25.01.2012).
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Chandrapur-Wani	15/01/2012	08.02		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
Chandrapur-Warora	15/01/2012	08.12		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
220/100KV 200MVA ICT-III at Trombay	21/01/2012	08.03	23/01/2012	01.00	To Attend the Air Cell M.O.G. of Conseovator,To Attend the Oil Leakage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2012

Position as on 6.30 Hrs of 23/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aarey - Borivali	22/01/2012	07.59	22/01/2012	19.02	Annual maintenance work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Bhusawal- Aurangabad	21/01/2012	17.05		Continued.	Over Voltage.
Karad - Kolhapur - I	21/01/2012	21.36	22/01/2012	09.22	Over Voltage.
Karad-Kolhapur-II	22/01/2012	16.17		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Karad-Pedambe	23/01/2012	05.18		Continued.	Distance Protection.
Bhugaon-Pusad	23/01/2012	05.31	23/01/2012	05.41	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari-Pardi	22/01/2012	16.38	23/01/2012	03.08	Loc.3,R-Ph disc insulator punctured.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	170
Unit 6	210	0
Unit 7	210	190
	620	360
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	
Unit 4	210	185
Unit 5	210	125
Unit 6	250	160
Unit 7	250	0
	1130	470
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2065
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	166
	630	586
Uran		
All Units	852	500
	852	500
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	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	44
GHATGHAR	250	0
	611	309
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	970
WARDHA	405	330
Other CPPs	0	
	1005	1300
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
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	5020
	3455	5020

	17900	7 of 7	15137
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