



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jan/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.679	3336.901	1) Gujrat	5.727	156.857
2) Hydro	8.351	283.032	2) Madhya Pradesh	18.601	593.994
3) Gas	14.915	394.865	3) Chattisgarh	12.680	359.720
Total MSGENCO	149.945	4014.798	4) Maharashtra	43.642	1385.373
B) OTHERS			5) Goa	-4.997	-159.522
1) JSW JAIGAD	25.515	669.350	6) TAPS 1&2 Injection	7.756	224.161
2) WPCL	5.538	216.511	7) RGPPL Injection	24.565	722.449
3) Other CPP / IPP	6.511	194.490	8) Pench (Excess)	-0.160	-9.428
4) Wind Generation	2.799	101.780	# Total Cent. Sector	107.814	3273.604
5) PENCH (MS)	0.160	11.711	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-4.609	-167.049
1) TPCL Thermal	15.380	596.052	G) Bilateral Power *		
2) TPCL Hydro	3.357	124.833	1) MSEDCL Bilateral	37.668	1100.051
TOTAL TPCL	18.737	720.885	Include PX	2.653	63.224
3) REL Thermal	11.968	345.690	2) MUMBAI Bilateral	5.461	222.190
D) STATE			Include PX	-4.476	-103.115
1) Thermal (A1+C1+C3)	154.027	4278.643	3) MUMBAI Schedule	5.461	227.432
2) Hydro (A2+B5+C2)	11.868	419.576	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.915	394.865	1) MSEDCL	293.673	8315.195
4) Wind (B4)	2.799	101.780	2) TPCL	23.392	825.206
5) CPP (B1+B2+B3)	37.564	1080.351	3) REL	11.918	408.435
TOTAL STATE	221.173	6275.215	TOTAL STATE	328.983	9548.836

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5382	5298	5134
MSGENCO Hydro	624	375	140
MSGENCO Gas	617	622	621
MSGENCO Total Generation	6623	6295	5895
Central Sector Receipt	5389	4817	3903
WIND	60	101	167
CPP / IPP	1666	1646	1360
Exchange with Mumbai	-144	-301	-163
MSEDCL DEMAND MET	13594	12585	11162
Load Shedding (LS)	1200	59	1
MSEDCL DEMAND (INCL. LS)	14794	12644	11163
TPCL GENERATION	1055	971	537
REL GENERATION	527	529	387
TPCL+REL DEMAND	1726	1801	1087
STATE DEMAND MET	15320	14386	12249
Load Management (LM)	2019	3472	10
Total Load Relief (LS+LM)	3219	3531	11
UNRESTRICTED STATE DEMAND	18539	17917	12260
Frequency (Hz)	49.77	49.83	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 05.04 Hrs	49.32 Hz at 08.52 Hrs	49.9	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 29/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.33	53.21	164	51	140
Unit 6	3.96	48.05	178	125	155
Unit 7	4.35	117.83	195	170	180
Total	10.64	219.09			475
Bhusawal					
Unit 2	4.26	101.01	190	165	180
Unit 3	4.28	122.40	190	170	180
Unit 4	0.00	0.00	0	0	
Total	8.54	223.42			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.52	125.72	203	158	160
Unit 5	3.87	84.16	175	143	170
Unit 6	5.64	106.30	250	201	200
Unit 7	5.40	113.99	250	175	180
Total	19.44	430.17			710
Chandrapur					
Unit 1	3.62	105.61	157	140	160
Unit 2	3.91	97.86	173	143	165
Unit 3	3.56	110.06	184	120	125
Unit 4	4.84	144.32	206	198	210
Unit 5	11.28	228.64	480	455	475
Unit 6	9.81	297.03	420	394	425
Unit 7	11.24	286.84	482	457	475
Total	48.27	1270.36			2035
Paras					
Unit 3	5.86	162.18	257	220	250
Unit 4	5.51	157.12	245	189	250
Total	11.37	319.30			500
Khaparkheda					
Unit 1	0.26	3.92	155	0	0
Unit 2	4.43	127.87	190	174	179
Unit 3	4.12	133.16	185	161	167
Unit 4	5.01	146.94	222	183	193
Unit 5	0.10	85.63	61	0	
Total	13.92	497.52			539
Nasik					
Unit 3	5.02	145.62	223	175	210
Unit 4	4.81	140.56	210	173	210
Unit 5	4.66	90.88	206	171	210
Total	14.50	377.05			630
Uran					
All Units	14.92	394.86	628	616	600
Total	14.92	394.86			600
PENCH (MS)					
Pench (MS)	0.16	11.71	27	0	
Total	0.16	11.71			
Koyna					
Stage 1-2	1.05	61.04	55	40	600
Stage 4	0.00	21.50	0	0	250
Stage 3	0.39	18.97	136	0	320
Total	1.44	101.50			1170
Kovna 12&4 Total	1.05	82.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	13.62	20	19	20
VTRNA	1.00	28.12	61	0	60
TILLARI	0.36	11.47	60	0	60
BHTGR/VEER	0.11	11.70	5	4	5
BHIRA T.R.	0.31	7.04	81	0	80
RNGR+BHTSA	0.33	10.37	15	13	15
BHANDARDRA	0.77	9.49	48	13	48
ELDARY	0.33	4.40	14	13	14
SMLHY PTN	1.00	29.74	49	38	11
GHATGHAR	2.23	55.59	250	0	0
Total	6.91	181.54			313
Wind					
MalharPeth	0.10	4.34			
Vankuswadi	0.18	7.17			
ATIT	0.02	1.84			
Kale	0.09	2.62			
Satara	0.25	12.82			
Shirala	0.05	2.84			
K Mahankal	0.41	6.75			
Supa	0.14	2.46			
Vita	0.63	13.78			
Dondaicha	0.41	29.95			
Sakri	0.09	4.13			
Nandurbar	0.05	2.86			
Khandke	0.27	5.89			
Khaparale	0.11	4.36			
Total	2.80	101.78			
CPP					
JSW JAIGAD	25.52	669.35	1148	886	1045
WARDHA	5.54	216.51	235	226	230
Other CPPs	6.51	194.49			
Total	37.56	1080.35			1275
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	5.08	207.83	283	155	500
Trombay 7A	3.09	83.00	132	116	120
Trombay 7B	1.66	46.41	70	66	60
Trombay 8	5.54	161.53	249	177	250
TATA Hydro	3.36	124.83	372	0	447
Total	18.74	720.88			1377
REL					
1&2	11.97	345.69	529	387	500
Total	11.97	345.69			500
Cent Sect					
Share					5073
Total					5073

MS PG CL	Thermal	126.68	3336.90			5249
	Thml+Gas	141.59	3731.77			5849
	Hydro	8.35	283.03			1483
	Total	149.94	4014.80			7332
State Total		221.17	6275.22			15557

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5268	185	622	6075	210	1421	4647	4016	-402	-368	11354	12	11355	1315	12681	50.00
2	5180	157	622	5959	165	1359	4647	4218	-402	-275	11426	5	11427	1195	12626	49.95
3	5132	141	620	5893	163	1364	4647	4145	-402	-203	11362	8	11363	1125	12495	50.11
4	5134	140	621	5895	167	1360	4555	3903	-307	-163	11162	11	11163	1087	12260	50.06
5	5139	158	618	5915	174	1363	4647	3992	-402	-176	11268	666	11274	1103	13037	50.08
6	5333	150	619	6102	197	1503	4555	3935	-25	-21	11716	1860	11741	1168	14744	50.06
7	5333	189	623	6145	198	1666	4638	4295	-22	31	12362	1965	12491	1257	15584	49.80
8	5355	270	622	6247	194	1657	4967	5022	-59	-30	13115	2758	13877	1339	17212	49.83
9	5376	529	625	6530	113	1666	5031	4660	-128	-69	12925	3136	13855	1488	17549	49.71
10	5392	757	620	6769	93	1671	5200	5043	-197	-127	13461	2993	14317	1646	18100	49.66
11	5381	757	620	6758	78	1666	5295	5250	-258	-153	13599	3030	14639	1734	18363	49.73
12	5382	624	617	6623	60	1666	5341	5389	-269	-144	13594	3219	14794	1726	18539	49.77
13	5349	455	616	6420	38	1661	5308	5155	-221	-115	13159	3406	14515	1679	18244	49.69
14	5281	454	618	6353	42	1668	5368	4938	-281	-148	12853	3109	13968	1593	17555	49.80
15	5265	494	623	6382	58	1667	5247	5126	-226	-121	13112	2480	13783	1514	17106	49.85
16	5215	489	620	6324	92	1664	5001	4962	-95	-35	13007	2421	13683	1466	16894	49.91
17	5260	474	619	6353	89	1664	4763	4218	-157	-142	12182	2594	12656	1447	16223	49.98
18	5245	246	628	6119	86	1645	4774	3888	-184	-276	11462	2697	11521	1488	15647	49.88
19	5242	340	620	6202	85	1650	4897	4410	-200	-272	12090	3479	12149	1608	17177	49.99
20	5298	375	622	6295	101	1646	5052	4817	-286	-301	12585	3531	12644	1801	17917	49.83
21	5256	305	623	6184	106	1517	4805	4507	-275	-401	11938	3531	11997	1791	17260	49.92
22	5255	241	625	6121	117	1480	4696	4106	-243	-432	11396	3531	11455	1732	16659	50.01
23	5292	225	625	6142	89	1475	4601	4016	-205	-356	11366	3235	11425	1594	16195	49.97
24	5316	196	627	6139	84	1465	4490	3802	-215	-312	11178	2780	11237	1418	15376	50.10
MUs	126.68	8.35	14.92	149.94	2.80	37.56	117.17	107.81	-5.46	-4.61	293.67	56.46	303.33	35.31	385.44	49.90

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 29/Jan/2012

Position as on 6.30 Hrs of 30/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.	30/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	30/01/2012
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	30/01/2012
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	
CPP WPCL U-4	135	21/01/2012	14.10	29/01/2012	23.36	Boiler Conseovator Problem.	
Khaparkheda Unit 5	500	22/01/2012	19.32	29/01/2012	20.19	Primary water low.	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Khaparkheda Unit 1	210	29/01/2012	01.54	30/01/2012	01.54	AVR testing.	
Khaparkheda Unit 5	500	29/01/2012	20.20	29/01/2012	22.14	Drum level high.	30/01/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jan/2012

Position as on 6.30 Hrs of 30/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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.
Dhule-Sar'Sarovar - II	26/01/2012	01.35	29/01/2012	10.20	Over Voltage.
Akola - Wardha - II	27/01/2012	21.53	29/01/2012	09.28	Over Voltage.
Kolhapur - Mapusa - I	28/01/2012	21.02		Continued.	Over Voltage.
Akola-Aurangabad--II	28/01/2012	21.51	29/01/2012	07.14	Over Voltage.
Dhule-Sar'Sarovar - II	29/01/2012	15.16		Continued.	Over Voltage.
Akola - Wardha - I	29/01/2012	21.28		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Kolhapur - I	28/01/2012	16.09	29/01/2012	09.54	Over Voltage.
Bhusawal- Aurangabad	28/01/2012	16.43	29/01/2012	07.39	Over Voltage.
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.
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
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.Upto 04.02.2012
Trombay-Kalwa	28/01/2012	22.30	29/01/2012	05.44	Due to Bus Section I & II outage at Trombay.
Trombay - Sonkar	28/01/2012	22.32	29/01/2012	08.11	Due to Bus Section I & II outage at Trombay.
Trombay - Tata Tie - II	28/01/2012	22.48	29/01/2012	06.37	Due to Bus Section I & II outage at Trombay.
220/100 KV 200 MVA ICT II at Trombay	28/01/2012	22.51	29/01/2012	07.58	Due to Bus Section I & II outage at Trombay.
220 KV Bus Sec.I & II at Trombay	28/01/2012	22.55	29/01/2012	05.22	Restoring of original overhead bus connecting new S/Y to old S/Y and removing 220KV cable jumpers.
Pedambe - Pophali - II	29/01/2012	08.05	29/01/2012	10.35	Preventive maintenance work.
Boiser-Versova	29/01/2012	09.21	29/01/2012	17.11	Diagnostic test and B bus isolator maintenance work.
Karad - Ogalewadi - II	29/01/2012	16.32	29/01/2012	22.33	C.T.replacement work.
Borivali-Tata Borivali 4	29/01/2012	23.03	30/01/2012	01.29	Insulators insertion on 220KV cable terminations.
220/100KV,200MVA ICT-I at Borivali.	29/01/2012	23.10	30/01/2012	01.25	Insulators insertion on 220KV cable terminations.
220/100KV,200MVA ICT-II at Borivali	29/01/2012	23.11	30/01/2012	01.23	Insulators insertion on 220KV cable terminations.
Borivali-Kalwa	29/01/2012	23.15	30/01/2012	01.15	Insulators insertion on 220KV cable terminations.
Main Bus - I @ Borivali	29/01/2012	23.16	30/01/2012	01.05	Insulators insertion on 220KV cable

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jan/2012

Position as on 6.30 Hrs of 30/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					terminations.
Borivali - Bhandup (GIC)	29/01/2012	23.16	30/01/2012	01.05	Insulators insertion on 220KV cable terminations.
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.
Borivali-TATA-I	29/01/2012	23.06	30/01/2012	01.31	Insulators insertion on 220KV cable terminations.
Borivali-Tata-II	29/01/2012	23.08	30/01/2012	01.31	Insulators insertion on 220KV cable terminations.
Voltage Level : 400KV					Outage Type HAND TRIPPED
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen 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	29/01/2012	16.36		Continued.	Over Voltage
Karad - Kolhapur - II	29/01/2012	16.42		Continued.	Over Voltage.
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Voltage Level : 400KV					Outage Type TRIPPED
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
400/220 KV 315 MVA ICT @ Akola	29/01/2012	23.23	30/01/2012	01.21	Tripped on NDR.
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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	70
Unit 6	210	190
Unit 7	210	195
	620	455
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	155
Unit 6	250	240
Unit 7	250	190
	1130	775
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	170
Unit 4	210	210
Unit 5	500	475
Unit 6	500	425
Unit 7	500	475
	2340	2080
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	150
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	720
Nasik		
Unit 3	210	212
Unit 4	210	195
Unit 5	210	203
	630	610
Uran		
All Units	852	620
	852	620
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	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	14
SMLHY PTN	12	30
GHATGHAR	250	0
	611	314
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	1045
WARDHA	405	330
Other CPPs	0	
	1005	1375
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	5166
	3455	5166

	17900	7 of 7 16022
--	--------------	---------------------