



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jan/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.304	3529.341	1) Gujrat	8.187	235.738
2) Hydro	5.769	259.394	2) Madhya Pradesh	15.035	429.803
3) Gas	9.419	318.357	3) Chattisgarh	8.210	266.690
Total MSGENCO	139.492	4107.092	4) Maharashtra	69.559	1829.725
B) 1) JSW JAIGAD	25.110	742.323	5) Goa	-5.166	-155.790
2) WPCL	8.612	254.163	6) TAPS 1&2 Injection	0.000	92.297
3) ADANI	9.680	260.790	7) RGPPL Injection	6.687	169.286
4) Other CPP / IPP	8.948	277.596	8) Pench (Excess)	-0.126	-5.497
5) Wind Generation	2.974	97.153	# Total Cent. Sector	102.386	2862.252
6) PENCH (MS)	0.126	5.497	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.896	-247.620
1) TPCL Thermal	20.563	586.620	G) Bilateral Power *		
2) TPCL Hydro	4.391	120.886	1) MSEDCL Bilateral	40.640	1113.839
TOTAL TPCL	24.954	707.506	Include PX	-0.213	-1.640
3) REL Thermal	12.233	346.403	2) MUMBAI Bilateral	10.255	265.581
D) STATE			Include PX	-0.955	-61.374
1) Thermal (A1+C1+C3)	157.100	4462.364	3) MUMBAI Schedule	10.255	265.581
2) Hydro (A2+B5+C2)	10.286	385.777	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.419	318.357	1) MSEDCL	287.432	8359.246
4) Wind (B4)	2.974	97.153	2) TPCL	31.347	866.293
5) CPP (B1+B2+B3)	52.350	1283.762	3) REL	15.737	435.495
TOTAL STATE	232.129	6547.413	TOTAL STATE	334.516	9661.034

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5180	5187	5077
MSGENCO Hydro	581	236	108
MSGENCO Gas	395	390	398
MSGENCO Total Generation	6156	5813	5583
Central Sector Receipt	5129	4572	3231
WIND	81	135	193
CPP / IPP	2360	2326	1978
Exchange with Mumbai	-535	-506	-156
MSEDCL DEMAND MET	13191	12340	10829
Load Shedding	327	273	25
MSEDCL DEMAND	13518	12613	10854
TPCL GENERATION	1381	1311	676
R-INFRA GENERATION	530	529	391
TPCL+R-INFRA DEMAND	2446	2346	1223
STATE DEMAND MET	15637	14686	12052
STATE DEMAND	15964	14959	12077
Frequency (Hz)	49.94	50.01	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 17.03 Hrs	49.56 Hz at 20.03 Hrs	49.98	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/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	3.05	77.56	149	109	120
Unit 7	3.57	85.00	170	130	140
Total	6.61	162.56			260
Bhusawal					
Unit 2	3.97	80.25	180	140	180
Unit 3	4.12	112.84	190	150	180
Unit 4	0.00	163.96	0	0	0
Unit 5	0.00	35.24	0	0	0
Total	8.10	392.30			360
Parli					
Unit 3	3.56	90.62	163	129	160
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	5.63	15.86	260	202	235
Total	9.19	330.56			395
Chandrapur					
Unit 1	3.38	104.30	150	124	150
Unit 2	3.30	81.71	152	117	150
Unit 3	4.58	135.16	200	183	200
Unit 4	4.76	120.18	206	193	200
Unit 5	10.09	283.54	445	390	425
Unit 6	10.90	254.47	470	420	450
Unit 7	10.06	260.87	450	375	460
Total	47.06	1240.23			2035
Paras					
Unit 3	5.29	144.48	234	206	230
Unit 4	5.80	155.51	256	224	230
Total	11.08	299.99			460
Khaparkheda					
Unit 1	4.30	117.10	200	130	190
Unit 2	4.13	114.17	195	150	190
Unit 3	4.61	114.40	213	170	190
Unit 4	4.44	123.48	214	145	190
Unit 5	11.92	276.21	512	443	500
Total	29.40	745.36			1260
Nasik					
Unit 3	4.38	125.28	195	170	195
Unit 4	4.18	119.76	182	170	185
Unit 5	4.29	113.29	192	166	195
Total	12.86	358.34			575
Uran					
All Units	9.42	318.36	399	383	390
Total	9.42	318.36			390
PENCH (MS)					
Pench (MS)	0.13	5.50	48	0	
Total	0.13	5.50			
Koyna					
Stage 1-2	1.48	68.52	155	35	450
Stage 4	0.38	49.86	232	0	250
Stage 3	0.31	25.42	146	0	240
Kovna 12&4 Total	1.85	118.38			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.16	143.80			940
Hydro					
KDPH	0.46	14.49	20	19	36
VTRNA	0.00	1.87	0	0	0
TILLARI	0.36	4.78	60	0	60
BHTGR/VEER	0.05	1.95	2	2	2
BHIRA T.R.	0.20	7.70	68	0	80
RNGR+BHTSA	0.35	10.39	15	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	0.78	27.92	40	30	5
GHATGHAR	1.41	46.43	120	0	0
Total	3.61	115.59			198
Wind					
MalharPeth	0.17	5.11			
Vankuswadi	0.30	7.55			
ATIT	0.03	2.60			
Kale	0.07	2.36			
Satara	0.65	10.03			
Shirala	0.11	3.25			
K Mahankal	0.02	3.42			
Supa	0.06	1.91			
Vita	0.63	11.52			
Dondaicha	0.62	32.60			
Sakri	0.08	4.20			
Nandurbar	0.02	2.79			
Khandke	0.15	5.72			
Khaparale	0.06	4.10			
Total	2.97	97.15			
CPP					
JSW JAIGAD	25.11	742.32	1141	902	1045
WARDHA	8.61	254.16	367	347	360
Adani	9.68	260.79	470	350	
Other CPPs	8.95	277.60			
Total	52.35	1534.87			1405
Tata					
Trombay 4		0.00			0
Trombay 5	10.19	270.67	503	282	500
Trombay 6	0.00	104.15	0	0	0
Trombay 7A	3.04	83.99	130	121	125
Trombay 7B	1.66	46.81	71	67	65
Trombay 8	5.68	81.01	252	194	250
TATA Hydro	4.39	120.89	443	0	447
Total	24.95	707.51			1387
REL					
1&2	12.23	346.40	531	391	500
Total	12.23	346.40			500
Cent Sect					
Share					4559
Total					4559

MS PG CL	Thermal	124.30	3529.34			5345
	Thml+Gas	133.72	3847.70			5735
	Hydro	5.77	259.39			1138
	Total	139.49	4107.09			6873
State Total		232.13	6547.41			14724

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5228	108	398	5734	135	2069	3621	3377	-253	-200	11115	10	11125	1453	12578	50.07
2	5183	113	398	5694	117	2068	3594	3286	-170	-186	10979	22	11001	1319	12320	50.00
3	5164	108	398	5670	147	2036	3575	3328	-140	-191	10990	23	11013	1256	12269	50.13
4	5077	108	398	5583	193	1978	3592	3231	-156	-156	10829	25	10854	1223	12077	50.12
5	5117	112	393	5622	182	2011	3612	3472	-166	-140	11147	51	11198	1233	12431	50.02
6	5217	142	395	5754	200	2076	3848	3895	-164	-157	11768	132	11900	1366	13266	49.93
7	5273	251	397	5921	148	2193	4266	3968	-372	-350	11880	517	12397	1581	13978	49.81
8	5376	226	399	6001	120	2268	4446	4415	-430	-258	12546	673	13219	1745	14964	49.80
9	5289	421	399	6109	87	2357	4509	4771	-455	-275	13049	593	13642	1972	15614	49.84
10	5178	696	393	6267	86	2359	4649	4856	-462	-368	13200	397	13597	2246	15843	49.95
11	5180	581	395	6156	81	2360	4869	5129	-639	-535	13191	327	13518	2446	15964	49.94
12	5199	368	395	5962	77	2361	4975	5172	-696	-562	13010	443	13453	2459	15912	49.91
13	5216	216	398	5830	46	2361	4979	5099	-648	-576	12760	597	13357	2434	15791	50.00
14	5159	106	398	5663	59	2228	4909	5023	-575	-642	12331	540	12871	2295	15166	50.07
15	5225	111	390	5726	69	2299	4898	4996	-600	-537	12553	431	12984	2322	15306	49.87
16	5200	148	390	5738	75	2361	4791	4806	-600	-461	12519	338	12857	2337	15194	49.85
17	5187	236	390	5813	135	2326	4854	4572	-594	-506	12340	273	12613	2346	14959	50.01
18	5164	235	388	5787	175	2109	4232	3952	-410	-720	11314	143	11457	2325	13782	50.08
19	5143	247	389	5779	166	2103	4493	4530	-443	-697	11929	72	12001	2370	14371	49.96
20	5138	350	386	5874	101	2101	4635	4565	-522	-523	12161	305	12466	2439	14905	49.98
21	5143	362	383	5888	103	2104	4287	4245	-455	-511	11853	291	12144	2327	14471	50.01
22	5105	321	383	5809	121	2066	4090	3736	-455	-606	11126	195	11321	2103	13424	50.07
23	5085	99	383	5567	151	2090	4068	4014	-453	-425	11397	51	11448	1855	13303	49.98
24	5059	104	383	5546	200	2066	3801	3951	-396	-314	11449	41	11490	1631	13121	50.04
MUs	124.30	5.77	9.42	139.49	2.97	52.35	103.59	102.39	-10.25	-9.90	287.44	6.49	293.93	47.08	341.01	49.98

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/2013

Position as on 6.30 Hrs of 30/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.	
CPP WPCL U-4	135	11/01/2013	13.42	29/01/2013	02.08	Bottom ash 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.	28/01/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Economiser tube leakage.	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jan/2013

Position as on 6.30 Hrs of 30/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	28/01/2013	23.24	29/01/2013	07.28	Over Voltage
Parli-Parli (PGCIL)-II	29/01/2013	19.13	29/01/2013	20.27	Hot Spot
Dhule-Sar'Sarovar - I	29/01/2013	20.35		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.
Padgha -Tarapur - I	29/01/2013	15.01	29/01/2013	15.19	Auto Recloser operated
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
Karad - Newkoyna - I	28/01/2013	12.20	29/01/2013	14.48	Replacement of Isolator(Ready for charging from 20.05Hrs)
80 MVAR Bus Reactor @ Nagothane	29/01/2013	08.57	29/01/2013	17.50	R.M.Work
Padgha - Nagothane- II	29/01/2013	09.45		Continued.	CB Overhauling(Taken on TBC)
400/220KV,500 MVA ICT-III at Kolhapur	29/01/2013	10.49	29/01/2013	19.48	OLTC Oil Filtration work
Karad-New Koyna II	29/01/2013	15.10		Continued.	Insulator replacement
Chandrapur - Parli - III	29/01/2013	20.44		Continued.	Over Voltage
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
Bale - Lamboti I	28/01/2013	07.08	29/01/2013	19.03	Insulator replacement work
Kalwa - Salshet - IV	28/01/2013	10.29		Continued.	Replacement of Isolator(Taken on TBC)
220/132 KV 100 MVA ICT - I at Balapur	28/01/2013	12.35	29/01/2013	15.34	Release of Air From Buchholz relay
Khaparkheda-Kawlewada-I	29/01/2013	07.58	29/01/2013	16.53	E/W replacement work
Nivali-Pawas	29/01/2013	09.00	29/01/2013	17.40	Cold Washing of Line Insulators
Bhugaon-Wardha	29/01/2013	09.14	29/01/2013	17.52	Isolator replacement work
Pophali - Pedambe - I	29/01/2013	09.45	29/01/2013	13.50	Replacement of Damaged String

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jan/2013

Position as on 6.30 Hrs of 30/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus at Deepnagar	29/01/2013	10.31		Continued.	Insulator
					connecting 220KV M.B.I Conductor Jumpers to 220KV Khadka Line-I Bay
Miraj - Mhaisal	29/01/2013	11.03	29/01/2013	14.19	Q.M.Work
Karad-Pophali	29/01/2013	11.25	29/01/2013	18.32	Replacement of Insulator Strings
Pedambe-Mahad	29/01/2013	15.15	29/01/2013	18.20	Y Phase Conductor in damaged condition
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.
Karad - Kolhapur - II	25/01/2013	20.00		Continued.	Over Voltage.
Karad - Kolhapur - I	28/01/2013	16.53	29/01/2013	09.29	Over Voltage
Bhusawal- Aurangabad	28/01/2013	17.05		Continued.	Over Voltage
Chandrapur - Parli - III	28/01/2013	21.20	29/01/2013	07.40	Over Voltage
Lonikand- Koyna Stage IV	28/01/2013	22.04	29/01/2013	07.51	Over Voltage
Padgha - Nagothane - I	29/01/2013	01.40	29/01/2013	07.37	Over Voltage
Karad - Kolhapur - I	29/01/2013	16.09		Continued.	Over Voltage
Padgha - Nagothane- II	29/01/2013	23.47		Continued.	Over Voltage
Lonikand- Koyna Stage IV	30/01/2013	00.07		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	29/01/2013	18.40	Due to B ph.CT burst.
Karad-Jaigad I	29/01/2013	03.46	29/01/2013	09.46	Over Voltage
Karad-Jaigad I	30/01/2013	00.04		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
ICL - Harangool Ckt.II	29/01/2013	02.10	29/01/2013	10.05	Tripped at ICL end only
Kanhan - Bhandara - II	29/01/2013	10.46	29/01/2013	11.15	Breaker Problem
Khaparkheda - Kanhan - II	29/01/2013	10.48	29/01/2013	11.10	Broken Conductor, PDR Operated
Satara MIDC - Renuka Sugar	29/01/2013	17.50	29/01/2013	22.00	Y phase LA Burst at Satara MIDC
Renuka Sugar - Vankuswadi	29/01/2013	17.50	29/01/2013	18.30	Y phase LA Burst at Satara MIDC

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	160
	620	295
Bhusawal		
Unit 2	210	
Unit 3	210	180
Unit 4	500	180
Unit 5	500	0
	1420	360
Parli		
Unit 3	210	144
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	240
	1130	384
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	195
Unit 4	210	200
Unit 5	500	425
Unit 6	500	460
Unit 7	500	460
	2340	2030
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	390
	852	390
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	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	199
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	1097
WARDHA	405	361
Adani	660	
Other CPPs	0	
	2265	1458
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	4616
	3455	4616