



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Mar/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.734	3755.562	1) Gujrat	4.356	22.946
2) Hydro	17.339	428.827	2) Madhya Pradesh	26.520	625.239
3) Gas	6.793	198.381	3) Chattisgarh	10.050	275.000
Total MSGENCO	156.866	4382.770	4) Maharashtra Net	88.483	2336.343
B) 1) JSW JAIGAD	9.928	415.810	(Incl. 765kV Solapur-Raichur)	-5.001	-47.504
2) WPCL	5.204	132.469	5) Goa	-5.632	-180.275
3) ADANI	37.244	989.172	6) TAPS 1&2 Injection	7.472	208.686
4) Other CPP / IPP	17.986	511.682	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.696	177.473	8) Pench (Excess)	-0.392	-7.108
6) PENCH (MS)	0.392	7.108	# Total Cent. Sector	130.857	3280.831
7) SOLAR	1.160	32.368	F) Other Exchanges		
C) 1) TPCL Thermal	15.266	434.320	1) With TPCL (Excess)	-21.916	-694.240
2) TPCL Hydro	0.745	109.479	G) Bilateral Power *		
TOTAL TPCL	16.011	543.799	1) MSEDCL Bilateral	17.346	414.493
3) REL Thermal	11.971	352.245	Include PX	0.000	-109.624
D) STATE			2) MUMBAI Bilateral	18.565	588.869
1) Thermal (A1+C1+C3)	159.971	4542.127	Include PX	7.369	198.097
2) Hydro (A2+B6+C2)	18.476	545.414	3) MUMBAI Schedule	18.565	588.971
3) Gas (A3)	6.793	198.381	H) ENERGY CATERED (MUs)		
4) Wind (B5)	8.696	177.473	1) MSEDCL	346.417	9235.443
5) CPP/IPP (B1+B2+B3+B4)	70.362	1097.205	2) TPCL	31.231	1018.386
6) SOLAR (B7)	1.160	32.368	3) REL	18.667	571.937
TOTAL STATE	265.458	6592.968	TOTAL STATE	396.315	10825.766

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5902	5631	5397
MSGENCO Hydro	1717	1432	221
MSGENCO Gas	294	302	256
MSGENCO Total Generation	7913	7365	5874
Central Sector Receipt	5538	5434	5313
WIND	100	429	467
CPP / IPP	2926	2857	3035
SOLAR	150	62	0
Exchange with Mumbai	-958	-952	-770
MSEDCL DEMAND MET	15669	15195	13919
Load Shedding	804	561	34
MSEDCL DEMAND	16473	15756	13953
TPCL GENERATION	718	696	518
R-INFRA GENERATION	521	523	458
TPCL+R-INFRA DEMAND	2197	2171	1746
STATE DEMAND MET	17866	17366	15665
STATE DEMAND	18670	17927	15699
Frequency (Hz)	50.06	49.97	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 17.57 Hrs	49.64 Hz at 00.00 Hrs	50.01	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 30/Mar/2014

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	98.86	149	102	140
Unit 7	3.56	98.20	165	135	150
Total	6.61	197.07			290
Bhusawal					
Unit 2	3.28	69.82	145	125	140
Unit 3	0.00	81.37	0	0	0
Unit 4	9.38	225.86	510	310	360
Unit 5	8.24	244.44	400	310	330
Total	20.90	621.50			830
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.71	91.65	175	135	170
Unit 5	0.00	62.34	0	0	0
Unit 6	4.43	122.80	250	171	174
Unit 7	4.38	137.52	248	170	170
Total	12.52	414.30			514
Chandrapur					
Unit 1	3.51	97.22	150	132	150
Unit 2	4.06	104.23	173	151	165
Unit 3	4.28	118.81	188	170	190
Unit 4	4.83	136.79	210	172	210
Unit 5	10.78	273.22	470	380	450
Unit 6	10.21	252.06	459	380	450
Unit 7	9.49	198.59	445	350	400
Total	47.16	1180.91			2015
Paras					
Unit 3	5.25	129.38	229	186	230
Unit 4	0.00	144.44	0	0	0
Total	5.25	273.81			230
Khaparkheda					
Unit 1	4.06	112.14	185	150	180
Unit 2	4.13	107.20	185	145	180
Unit 3	4.10	119.93	180	160	185
Unit 4	4.64	80.69	214	170	210
Unit 5	10.18	300.36	481	370	500
Total	27.13	720.32			1255
Nasik					
Unit 3	4.26	110.58	185	170	190
Unit 4	4.48	121.26	196	177	190
Unit 5	4.45	115.82	195	175	190
Total	13.18	347.66			570
Uran					
All Units	6.79	198.38	303	250	260
Total	6.79	198.38			260
PENCH (MS)					
Pench (MS)	0.39	7.11	54	0	
Total	0.39	7.11			
Koyna					
Stage 1-2	4.02	99.02	435	40	600
Stage 4	5.70	136.77	964	0	250
Stage 3	1.90	51.37	240	0	320
Kovna 12&4 Total	9.72	235.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.62	287.16			1170
Hydro					
KDPH	0.88	16.43	37	36	18
VTRNA	1.46	16.15	61	61	61
TILLARI	0.38	11.78	64	0	60
BHTGR/VEER	0.08	0.72	4	3	2
BHIRA T.R.	0.28	5.85	40	0	40
RNGR+BHTSA	0.36	9.77	15	15	15
BHANDARDRA	0.00	11.44	0	0	0
ELDARY	0.35	3.90	15	14	0
SMLHY PTN	1.10	27.22	46	45	15
GHATGHAR	0.83	38.41	125	0	0
Total	5.72	141.66			211
Wind					
MalharPeth	0.39	6.54			
Vankuswadi	0.58	11.32			
ATIT	0.08	2.27			
Kale	0.29	3.32			
Satara	2.59	42.32			
Shirala	0.35	4.26			
K Mahankal	0.02	1.42			
Supa	0.21	3.65			
Vita	1.42	23.09			
Dondaicha	1.80	51.76			
Sakri	0.21	6.19			
Nandurbar	0.14	5.05			
Khandke	0.38	8.21			
Khaparale	0.24	8.07			
Total	8.70	177.47			
CPP					
JSW JAIGAD	9.93	415.81	418	409	370
WARDHA	5.20	132.47	222	212	220
Adani	37.24	989.17	1680	1448	1234
Other CPPs	17.99	511.68			404
Total	70.36	2049.13			2228
SOLAR					
Total	1.16	32.37			
Total	1.16	32.37			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.83	304.86	501	321	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.81	81.73	126	114	120
Trombay 7B	1.62	47.72	71	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.74	109.48	108	0	447
Total	16.01	543.80			1127
REL					
1&2	11.97	352.24	525	390	500
Total	11.97	352.24			500
Cent Sect					
Share					5677
Total					5677
MS PG CL	Thermal	132.73	3755.56		5704
	Thml+Gas	139.53	3953.94		5964
	Hydro	17.34	428.83		1381
	Total	156.87	4382.77		7345
State Total		265.46	6592.97		16877

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Mar/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5457	495	261	6213	280	3070	0	5587	5642	-916	-979	14246	9	14255	2151	16406	49.96
2	5423	460	257	6140	278	3056	0	5437	5411	-766	-808	14077	38	14115	1961	16076	49.96
3	5410	250	259	5919	394	3069	0	5360	5134	-689	-689	13827	38	13865	1841	15706	49.97
4	5371	216	259	5846	455	3054	0	5328	5321	-655	-631	14045	34	14079	1767	15846	50.00
5	5397	221	256	5874	467	3035	0	5314	5313	-642	-770	13919	34	13953	1746	15699	49.91
6	5387	251	250	5888	479	3030	0	5344	5611	-673	-850	14158	164	14322	1768	16090	49.96
7	5490	266	264	6020	467	3031	4	5290	5286	-653	-766	14050	533	14583	1787	16370	50.00
8	5472	241	266	5979	363	2987	27	5319	5440	-681	-614	14236	843	15079	1801	16880	50.03
9	5598	306	276	6180	314	2911	73	5377	5193	-757	-658	14046	978	15024	1887	16911	50.03
10	5862	800	277	6939	325	2960	116	5523	5361	-837	-789	14912	671	15583	2027	17610	50.06
11	5865	1298	276	7439	239	2910	139	5571	5429	-905	-928	15228	681	15909	2164	18073	50.10
12	5902	1717	294	7913	100	2926	150	5599	5538	-918	-958	15669	804	16473	2197	18670	50.06
13	5614	1674	295	7583	71	2967	168	5612	5532	-894	-1022	15299	966	16265	2261	18526	50.05
14	5614	1631	294	7539	133	2837	157	5658	5884	-870	-1000	15550	858	16408	2252	18660	50.16
15	5575	1785	298	7658	193	2825	134	5546	5634	-835	-1018	15426	646	16072	2250	18322	50.08
16	5583	1980	298	7861	205	2834	95	5496	5736	-816	-997	15734	546	16280	2216	18496	50.00
17	5631	1432	302	7365	429	2857	62	5416	5434	-730	-952	15195	561	15756	2171	17927	49.97
18	5448	303	302	6053	533	2917	28	5149	5136	-568	-907	13760	236	13996	2110	16106	50.07
19	5120	327	301	5748	548	2875	7	4951	5133	-657	-906	13431	88	13519	2130	15649	50.06
20	5570	411	301	6282	529	2817	0	5525	5325	-910	-994	14012	94	14106	2288	16394	49.87
21	5608	292	300	6200	614	2882	0	5644	5566	-929	-1161	14154	82	14236	2295	16531	49.96
22	5478	271	303	6052	590	2824	0	5315	5400	-672	-1252	13667	73	13740	2293	16033	49.93
23	5416	361	301	6078	379	2850	0	5358	5650	-715	-1194	13815	39	13854	2275	16129	49.94
24	5443	351	303	6097	311	2838	0	5521	5748	-878	-1073	13961	28	13989	2260	16249	50.03
MUs	132.73	17.34	6.79	156.87	8.70	70.36	1.16	130.24	130.86	-18.57	-21.92	346.42	9.04	355.46	49.90	405.36	50.01

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 30/Mar/2014

Position as on 6.30 Hrs of 31/Mar/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Bhusawal Unit 3	210	29/03/2014	22.25		Continued.	CD Path Fine Gas Duct Internal Inspection.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP JSW (J) U1	300	12/03/2014	12:00		Continued.	Condensor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP Dhariwal	300	26/03/2014	03.13	31/03/2014	21.02	Maintenance work	
Paras Unit 4	250	29/03/2014	13.34	31/03/2014	05.24	Air Heater Problem.	
Paras Unit 4	250	31/03/2014	06.13	31/03/2014	08.51	M.S.Temp Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2014

Position as on 6.30 Hrs of 31/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	28/03/2014	16.36	31/03/2014	06.37	Over Voltage.
Dhule-Sar'Sarovar - I	29/03/2014	23.08	30/03/2014	06.53	Over Voltage.
A'bad-Talegaon PG-1	31/03/2014	16.03		Continued.	IPS tube burnt Y-Ph,C-Bus.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navasari - II	30/03/2014	12.53	30/03/2014	13.52	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30	31/03/2014	15.20	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220 KV 167 MVA Spare ICT @ Deepnagar	29/03/2014	11.05		Continued.	SFRA, Tan Delta.
400/220KV 500 MVA ICT I at Kalwa	30/03/2014	08.53	30/03/2014	18.08	For charging of 220KV LV inter connection bay of 500MVA ICT-I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran - HOCL	29/03/2014	11.31		Continued.	Tan Delta Testing.
Dahanu-Ghodbandar-II	30/03/2014	06.04	30/03/2014	13.24	Retrofitting of static dist prot relay with numerical.
Main Bus - I @ Ghodbunder	30/03/2014	13.41	30/03/2014	20.19	A.M.Work
Kalwa - Borivali	30/03/2014	13.47	30/03/2014	15.56	Hot Spot of Y-Ph isolator.
Parli-Usmanabad	30/03/2014	17.00	30/03/2014	18.33	Hot Spot.
Bhenda-Waluj	31/03/2014	08.52	31/03/2014	22.23	Stringing work,for Devgaon-Rangari line which will lilo on 220KV Waluj-BBLSR line.
Uran - JNPT	31/03/2014	09.48		Continued.	Repl of CB under Jica.
Aurangabad - BBLSR	31/03/2014	09.50	31/03/2014	23.03	Stringing work,for Devgaon-Rangari line which will lilo on 220KV Waluj-BBLSR line.
Waluj-Jalna I	31/03/2014	10.56	31/03/2014	17.49	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Jalna-II	31/03/2014	10.56	31/03/2014	17.49	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Chitegaon I	31/03/2014	12.09	31/03/2014	17.16	For crossing of 400KV M/C A'bad PG-A'bad.
Waluj-Chitegaon II	31/03/2014	12.09	31/03/2014	17.21	For crossing of 400KV M/C A'bad PG-A'bad.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	29/03/2014	16.36	30/03/2014	06.53	Over Voltage.
Karad - Kolhapur - I	29/03/2014	17.05	30/03/2014	07.02	Over Voltage.
Bhusawal- Aurangabad	29/03/2014	18.45	30/03/2014	06.19	Over Voltage.
Karad-Jaigad I	30/03/2014	16.12	31/03/2014	08.49	Over Voltage.
Karad - Kolhapur - I	30/03/2014	16.54	31/03/2014	06.48	Over Voltage.
Bhusawal- Aurangabad	30/03/2014	17.32	31/03/2014	07.26	Over Voltage.
Karad-Jaigad I	31/03/2014	16.04		Continued.	Over Voltage.
Bhusawal- Aurangabad	31/03/2014	17.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2014

Position as on 6.30 Hrs of 31/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 150 MVA T/F-I @ Boiser	30/03/2014	17.35		Continued.	Oil leakage.
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	22/03/2014	17.31	31/03/2014	1056	Jalna load taken from A'bad end,load can be taken from Chikhli end in case of outage on A'bad-Jalna.
Chikhali - Jalna - II	22/03/2014	17.31	31/03/2014	10.56	Jalna load taken from A'bad end,load can be taken from Chikhli end in case of outage on A'bad-Jalna.
Umred - Virangana	30/03/2014	14.00	30/03/2014	14.40	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan-Pardi	31/03/2014	16.50	31/03/2014	19.15	Interpole wiring found burnt.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	95
Unit 7	210	120
	620	215
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	430
Unit 5	500	372
	1420	942
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	490
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	470
Unit 6	500	450
Unit 7	500	425
	2340	2060
Paras		
Unit 3	250	230
Unit 4	250	100
	500	330
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	185
Unit 4	210	210
Unit 5	500	500
	1340	1255
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	37
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	232
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	370
WARDHA	405	220
Adani	1980	1234
Other CPPs	300	409
	3885	2233
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5768
	3455	5768