



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Mar/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	137.268	3357.252	1) Gujrat	7.422	6.518
2) Hydro	23.077	368.021	2) Madhya Pradesh	25.333	548.823
3) Gas	7.341	177.539	3) Chattisgarh	9.610	245.990
Total MSGENCO	167.686	3902.812	4) Maharashtra Net	93.338	2058.344
B) 1) JSW JAIGAD	12.032	381.957	(Incl. 765kV Solapur-Raichur)	-2.177	-38.483
2) WPCL	5.211	117.036	5) Goa	-6.417	-162.151
3) ADANI	30.778	888.567	6) TAPS 1&2 Injection	7.186	186.239
4) Other CPP / IPP	14.123	457.790	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.437	154.995	8) Pench (Excess)	-0.184	-6.182
6) PENCH (MS)	0.184	6.182			
7) SOLAR	1.112	28.882	# Total Cent. Sector	136.288	2877.581
C) 1) TPCL Thermal	14.288	391.145	F) Other Exchanges		
2) TPCL Hydro	5.879	97.892	1) With TPCL (Excess)	-26.283	-620.377
TOTAL TPCL	20.167	489.037	G) Bilateral Power *		
3) REL Thermal	12.517	315.691	1) MSEDCL Bilateral	21.696	352.931
D) STATE			Include PX	-0.504	-109.624
1) Thermal (A1+C1+C3)	164.073	4064.088	2) MUMBAI Bilateral	22.779	525.263
2) Hydro (A2+B6+C2)	29.140	472.095	Include PX	12.596	168.736
3) Gas (A3)	7.341	177.539	3) MUMBAI Schedule	22.779	525.366
4) Wind (B5)	6.437	154.995	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	62.144	987.561	1) MSEDCL	347.568	8195.425
6) SOLAR (B7)	1.112	28.882	2) TPCL	37.579	913.677
TOTAL STATE	270.247	5885.160	3) REL	21.390	511.367
			TOTAL STATE	406.537	9620.469

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	6167	5595	5356
MSGENCO Hydro	1938	1825	273
MSGENCO Gas	307	305	301
MSGENCO Total Generation	8412	7725	5930
Central Sector Receipt	5945	5971	4971
WIND	179	255	334
CPP / IPP	2483	2457	3043
SOLAR	157	61	0
Exchange with Mumbai	-1363	-1342	-713
MSEDCL DEMAND MET	15813	15177	13565
Load Shedding	699	475	170
MSEDCL DEMAND	16512	15652	13735
TPCL GENERATION	1102	1074	502
R-INFRA GENERATION	523	520	523
TPCL+R-INFRA DEMAND	2988	2936	1738
STATE DEMAND MET	18801	18113	15303
STATE DEMAND	19500	18588	15473
Frequency (Hz)	49.87	49.98	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 06.55 Hrs	49.61 Hz at 00.00 Hrs	49.94	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 27/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	3.47	88.98	155	129	150
Unit 7	3.45	87.45	160	133	155
Total	6.93	176.43			305
Bhusawal					
Unit 2	0.00	64.94	0	0	0
Unit 3	2.99	75.97	140	100	140
Unit 4	10.12	198.92	520	330	430
Unit 5	8.26	221.46	400	270	372
Total	21.38	561.28			942
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.83	80.69	175	146	179
Unit 5	0.00	62.34	0	0	0
Unit 6	4.65	109.20	250	180	180
Unit 7	4.65	123.95	250	162	180
Total	13.13	376.18			539
Chandrapur					
Unit 1	3.33	86.92	148	123	150
Unit 2	3.98	92.14	170	160	165
Unit 3	4.26	105.89	185	153	190
Unit 4	4.95	122.33	210	199	210
Unit 5	10.26	241.10	470	319	400
Unit 6	9.82	221.76	450	345	450
Unit 7	9.09	171.65	420	306	400
Total	45.69	1041.78			1965
Paras					
Unit 3	4.97	114.64	223	195	230
Unit 4	5.23	136.76	231	200	230
Total	10.20	251.40			460
Khaparkheda					
Unit 1	3.82	100.71	190	130	140
Unit 2	3.76	95.77	185	125	140
Unit 3	3.82	108.09	188	107	150
Unit 4	4.16	67.66	206	143	210
Unit 5	11.15	269.93	505	415	500
Total	26.70	642.18			1140
Nasik					
Unit 3	4.26	97.76	185	170	190
Unit 4	4.58	107.70	196	180	190
Unit 5	4.41	102.54	190	172	190
Total	13.25	308.01			570
Uran					
All Units	7.34	177.54	316	292	300
Total	7.34	177.54			300
PENCH (MS)					
Pench (MS)	0.18	6.18	51	0	
Total	0.18	6.18			
Koyna					
Stage 1-2	4.58	88.46	460	40	600
Stage 4	10.71	113.35	1120	0	250
Stage 3	3.28	44.34	320	0	320
Kovna 12&4 Total	15.28	201.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.56	246.16			1170
Hydro					
KDPH	0.42	14.16	18	17	36
VTRNA	1.10	12.40	61	0	61
TILLARI	0.39	10.63	64	0	60
BHTGR/VEER	0.08	0.57	4	3	3
BHIRA T.R.	0.32	4.86	40	0	40
RNGR+BHTSA	0.34	8.77	15	14	15
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.34	2.83	15	7	15
SMLHY PTN	1.12	24.02	47	46	0
GHATGHAR	0.41	35.15	125	0	0
Total	4.52	121.86			230
Wind					
MalharPeth	0.26	5.82			
Vankuswadi	0.50	10.20			
ATIT	0.05	2.13			
Kale	0.16	2.79			
Satara	1.67	37.34			
Shirala	0.16	3.57			
K Mahankal	0.02	1.38			
Supa	0.19	3.20			
Vita	0.65	20.47			
Dondaicha	1.93	44.08			
Sakri	0.23	5.27			
Nandurbar	0.25	4.25			
Khandke	0.21	7.32			
Khaparale	0.17	7.18			
Total	6.44	155.00			
CPP					
JSW JAIGAD	12.03	381.96	559	485	507
WARDHA	5.21	117.04	222	209	220
Adani	30.78	888.57	1746	1125	1234
Other CPPs	14.12	457.79			245
Total	62.14	1845.35			2206
SOLAR					
Total	1.11	28.88			
Total	1.11	28.88			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.76	274.30	439	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.89	73.82	128	114	120
Trombay 7B	1.64	43.03	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.88	97.89	471	0	447
Total	20.17	489.04			1127
REL					
1&2	12.52	315.69	524	519	500
Total	12.52	315.69			500
Cent Sect					
Share					5929
Total					5929
MS PG CL	Thermal	137.27	3357.25		5921
	Thml+Gas	144.61	3534.79		6221
	Hydro	23.08	368.02		1400
	Total	167.69	3902.81		7621
State Total		270.25	5885.16		17383

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5219	651	303	6173	281	3021	0	5207	5334	-822	-1115	13694	63	13757	2153	15910	49.91
2	5259	680	304	6243	271	3049	0	5071	5268	-686	-895	13936	147	14083	1921	16004	49.86
3	5357	379	302	6038	379	3038	0	5143	5245	-651	-779	13921	163	14084	1804	15888	49.88
4	5356	273	301	5930	334	3043	0	5125	4971	-640	-713	13565	170	13735	1738	15473	49.95
5	5502	334	304	6140	302	2602	0	5106	5356	-627	-682	13718	177	13895	1719	15614	49.90
6	5701	644	301	6646	262	2433	0	5206	5474	-658	-660	14155	378	14533	1785	16318	49.90
7	5780	797	301	6878	198	2420	1	5269	5672	-676	-742	14437	959	15396	1897	17293	49.95
8	5916	868	304	7088	138	2467	24	5367	5583	-723	-754	14597	988	15585	2013	17598	50.00
9	6048	1022	305	7375	70	2450	66	5499	5707	-851	-953	14735	861	15596	2329	17925	50.02
10	6190	1484	292	7966	86	2479	97	5719	5949	-1061	-1143	15434	580	16014	2666	18680	49.97
11	6144	1692	310	8146	93	2471	131	5879	6194	-1222	-1319	15716	572	16288	2909	19197	49.92
12	6167	1938	307	8412	179	2483	157	5840	5945	-1318	-1363	15813	699	16512	2988	19500	49.87
13	5857	1674	307	7838	185	2458	161	5904	5942	-1333	-1369	15215	880	16095	2990	19085	49.99
14	5682	1657	302	7641	175	2517	153	5847	6202	-1243	-1313	15375	779	16154	2927	19081	49.98
15	5738	1845	298	7881	181	2487	132	5837	6006	-1231	-1340	15347	602	15949	2958	18907	49.98
16	5655	2111	303	8069	247	2461	103	5838	6136	-1237	-1334	15715	485	16200	2947	19147	49.94
17	5595	1825	305	7725	255	2457	61	5721	5971	-1128	-1342	15177	475	15652	2936	18588	49.98
18	5647	836	309	6792	238	2475	23	5114	5151	-869	-1299	13400	628	14028	2862	16890	50.04
19	5709	340	313	6362	333	2506	3	5023	5131	-925	-1274	13061	267	13328	2764	16092	49.95
20	5700	804	312	6816	378	2558	0	5632	5716	-1112	-1246	14222	69	14291	2819	17110	49.97
21	5799	378	314	6491	520	2538	0	5615	5923	-1043	-1200	14272	36	14308	2645	16953	49.99
22	5792	202	314	6308	377	2594	0	5642	5794	-936	-1272	13801	28	13829	2507	16336	49.98
23	5693	417	314	6424	446	2576	0	5529	5771	-857	-1100	14117	23	14140	2399	16539	49.84
24	5762	226	316	6304	509	2561	0	5587	5847	-930	-1076	14145	25	14170	2291	16461	49.89
MUs	137.27	23.08	7.34	167.69	6.44	62.14	1.11	131.72	136.29	-22.78	-26.28	347.57	10.05	357.62	58.97	416.59	49.94

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 27/Mar/2014

Position as on 6.30 Hrs of 28/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	
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		Continued.	Maintenance work	
Bhusawal Unit 2	210	26/03/2014	10.55		Continued.	Boiler Tube Leakage	
Koyna Unit 7	80	26/03/2014	22.05	27/03/2014	04.40	P.M.Work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2014

Position as on 6.30 Hrs of 28/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		
Dhule-Sar'Sarovar - II	27/03/2014	02.16	27/03/2014	08.36	Over Voltage
Kolhapur - Mapusa - I	27/03/2014	16.45		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Karad - I	19/03/2014	07.45		Continued.	Taken on TBC Attending air Leakage problem of CB.
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30		Continued.	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220 KV 315 MVA ICT-I @ Nagothane	24/03/2014	11.45		Continued.	Taken on TBC.
Khadka - Deepnagar - II	27/03/2014	09.36	27/03/2014	11.45	Tan Delta & Testing of CT's.
New Koyna-Karad-II	27/03/2014	10.10	27/03/2014	19.16	Testing Work.
Bableshwar-Aurangabad	27/03/2014	10.29		Continued.	Taken on TBC @ Bblsr End,Main Bkr Overhauling Work 2 Days.
Lonikand 2-Parli-I	28/03/2014	04.31		Continued.	Taken on Own Breaker @ Lonikand End.
Lonikand - I - Lonikand - II Interconnector - I	28/03/2014	04.31	28/03/2014	05.40	Taken on Own Breaker @ Lonikand End.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Dahanu-Bhoisor	26/03/2014	22.10	27/03/2014	04.07	Relay replacement work
Nivali-Pawas	27/03/2014	08.20		Continued.	Replacement of Ckt Bkr.
Bhosari-Telco	27/03/2014	08.20	27/03/2014	18.57	Bus Section - I Outage.
Bus Section - I @ Telco	27/03/2014	08.30	27/03/2014	18.57	Bus Side Isolator Replacement Under JICA-2.
220/132 KV 200MVA ICT I at Girwali	27/03/2014	09.48	27/03/2014	13.59	Tan Delta & SFRA Testing Work.
Nanded - Ghatodi	27/03/2014	09.48	27/03/2014	13.59	Alingment of Earth Blade of Isolator
Pusad - Ghatodi	27/03/2014	10.13	27/03/2014	13.19	Alingment of Earth Blade of Isolator.
220/132 KV 100 MVA ICT - II @ Sawangi	27/03/2014	10.45	27/03/2014	12.30	Measurment of Capacitance & Diagnostic Test of CT's.
Sahara-B'dying	27/03/2014	11.13	27/03/2014	20.20	Line Maintenance for One Day.
Lonikand-Theur - I	27/03/2014	15.09	27/03/2014	20.55	CT & LA Replacement Under JICA.
Dahanu - Ghodbandar - I	27/03/2014	22.12	28/03/2014	03.17	Retrofitting of Relay.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Uran-Kharghar-II	27/03/2014	12.19	27/03/2014	18.19	Mechanism Problem.
Lonikand -Theur - II	27/03/2014	12.41	27/03/2014	13.59	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad-Jaigad I	26/03/2014	15.30	27/03/2014	07.05	Over Voltage
Bhusawal- Aurangabad	26/03/2014	18.10	27/03/2014	07.07	Over Voltage
Karad - Kolhapur - II	27/03/2014	01.10	27/03/2014	07.02	Over Voltage
Karad-Jaigad I	27/03/2014	17.01	28/03/2014	07.17	Over Voltage.
Karad-Kolhapur-II	27/03/2014	17.07	28/03/2014	07.15	Over Voltage.
Bhusawal- Aurangabad	27/03/2014	17.45	28/03/2014	07.17	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2014

Position as on 6.30 Hrs of 28/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
400/220 KV 600 MVA ICT - IV @ Padgha	27/03/2014	13.34	27/03/2014	13.54	During Scada Testing Work.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y phase CT Burst,Bus Bar Prot.operated
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	Bus Bar Prot.Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	145
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	430
Unit 5	500	340
	1420	910
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	179
Unit 7	250	180
	1130	509
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	400
	2340	2035
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
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	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	0
GHATGHAR	250	0
	611	211
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	510
WARDHA	405	220
Adani	1980	1234
Other CPPs	300	245
	3885	2209
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	6190
	3455	6190