



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Apr/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.519	2877.310	1) Gujrat	7.234	134.310
2) Hydro	34.155	529.629	2) Madhya Pradesh	22.829	562.988
3) Gas	10.429	219.745	3) Chattisgarh	9.810	242.230
Total MSGENCO	174.103	3626.684	4) Maharashtra Net	90.691	2034.771
B) 1) JSW JAIGAD	13.972	327.582	(Incl. 765kV Solapur-Raichur)	-1.274	-38.807
2) WPCL	0.000	4.347	5) Goa	-7.213	-145.294
3) ADANI	33.799	837.510	6) TAPS 1&2 Injection	7.415	170.983
4) Other CPP / IPP	19.948	523.851	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.976	169.771	8) Pench (Excess)	-0.250	-2.965
6) PENCH (MS)	0.250	3.332			
7) SOLAR	1.133	23.219	# Total Cent. Sector	130.516	2997.023
C) 1) TPCL Thermal	19.974	414.436	F) Other Exchanges		
2) TPCL Hydro	5.198	87.058	1) With TPCL (Excess)	-26.503	-541.576
TOTAL TPCL	25.172	501.494	G) Bilateral Power *		
3) REL Thermal	12.452	285.446	1) MSEDCL Bilateral	19.189	381.151
D) STATE			Include PX	1.165	12.593
1) Thermal (A1+C1+C3)	161.945	3577.192	2) MUMBAI Bilateral	28.295	573.138
2) Hydro (A2+B6+C2)	39.603	620.019	Include PX	5.104	90.921
3) Gas (A3)	10.429	219.745	3) MUMBAI Schedule	28.295	573.138
4) Wind (B5)	3.976	169.771	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	67.719	889.579	1) MSEDCL	351.194	7971.743
6) SOLAR (B7)	1.133	23.219	2) TPCL	41.539	849.459
TOTAL STATE	284.805	5499.525	3) REL	22.590	479.114
			TOTAL STATE	415.323	9300.316

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5680	5502	5245
MSGENCO Hydro	1479	2146	905
MSGENCO Gas	416	427	448
MSGENCO Total Generation	7575	8075	6598
Central Sector Receipt	6079	6297	4993
WIND	47	42	159
CPP / IPP	2963	2794	2655
SOLAR	201	92	0
Exchange with Mumbai	-1405	-1329	-599
MSEDCL DEMAND MET	15460	15971	13806
Load Shedding	778	608	295
MSEDCL DEMAND	16238	16579	14101
TPCL GENERATION	1266	1390	825
R-INFRA GENERATION	517	517	518
TPCL+R-INFRA DEMAND	3188	3236	1942
STATE DEMAND MET	18648	19207	15748
STATE DEMAND	19426	19815	16043
Frequency (Hz)	49.91	49.88	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 12.53 Hrs	49.56 Hz at 20.57 Hrs	49.91	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 23/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.60	63.14	170	120	162
Unit 7	3.92	82.28	175	145	153
Total	7.52	145.83			315
Bhusawal					
Unit 2	0.00	49.03	0	0	0
Unit 3	3.53	69.34	160	130	150
Unit 4	10.62	183.50	505	420	430
Unit 5	7.71	124.14	410	200	382
Total	21.86	426.01			962
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.63	87.76	160	140	155
Unit 5	1.44	42.90	158	0	0
Unit 6	4.66	106.10	250	145	185
Unit 7	4.62	104.31	210	187	185
Total	14.35	341.06			525
Chandrapur					
Unit 1	3.41	65.34	160	124	150
Unit 2	3.92	82.90	168	154	170
Unit 3	3.89	79.85	178	124	180
Unit 4	0.13	89.09	25	0	50
Unit 5	10.39	239.96	450	410	450
Unit 6	8.70	222.39	393	339	400
Unit 7	9.66	218.90	417	392	415
Total	40.10	998.43			1815
Paras					
Unit 3	5.11	98.39	234	191	250
Unit 4	5.25	96.12	232	196	250
Total	10.36	194.51			500
Khaparkheda					
Unit 1	3.76	87.46	180	130	160
Unit 2	3.72	84.11	170	140	160
Unit 3	0.00	0.80	0	0	0
Unit 4	4.40	103.45	209	144	170
Unit 5	10.09	212.00	505	391	400
Total	21.96	487.82			890
Nasik					
Unit 3	4.34	80.12	190	160	190
Unit 4	4.53	102.15	194	182	190
Unit 5	4.50	101.37	196	172	190
Total	13.37	283.64			570
Uran					
All Units	10.43	219.74	452	415	450
Total	10.43	219.74			450
PENCH (MS)					
Pench (MS)	0.25	3.33	50	0	
Total	0.25	3.33			
Koyna					
Stage 1-2	6.30	124.96	555	45	520
Stage 4	18.35	222.23	1120	82	250
Stage 3	5.30	75.94	320	80	320
Kovna 12&4 Total	24.65	347.19			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	29.95	423.13			1090
Hydro					
KDPH	0.35	10.85	15	14	18
VTRNA	1.30	27.92	61	0	61
TILLARI	0.38	9.10	64	0	60
BHTGR/VEER	0.07	1.66	4	3	3
BHIRA T.R.	0.29	4.83	41	0	40
RNGR+BHTSA	0.17	6.81	8	7	15
BHANDARDRA	0.64	4.11	45	11	0
ELDARY	0.36	3.86	15	14	0
SMLHY PTN	0.65	20.26	27	27	15
GHATGHAR	0.00	17.11	0	0	0
Total	4.21	106.50			212
Wind					
MalharPeth	0.20	5.54			
Vankuswadi	0.40	9.76			
ATIT	0.04	1.08			
Kale	0.14	3.79			
Satara	1.54	39.90			
Shirala	0.20	4.11			
K Mahankal	0.00	0.52			
Supa	0.07	2.03			
Vita	0.30	21.75			
Dondaicha	0.68	56.97			
Sakri	0.12	6.26			
Nandurbar	0.06	6.59			
Khandke	0.10	5.03			
Khaparale	0.12	6.43			
Total	3.98	169.77			
CPP					
JSW JAIGAD	13.97	327.58	593	558	535
WARDHA	0.00	4.35	0	0	0
Adani	33.80	837.51	1660	1269	1846
Other CPPs	19.95	523.85			630
Total	67.72	1693.29			3011
SOLAR					
Total	1.13	23.22			
Total	1.13	23.22			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	255.30	499	438	500
Trombay 6	3.82	61.14	238	150	500
Trombay 7A	2.77	61.72	123	90	120
Trombay 7B	1.62	36.27	69	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.20	87.06	471	0	447
Total	25.17	501.49			1627
REL					
1&2	12.45	285.45	521	516	500
Total	12.45	285.45			500
Cent Sect					
Share					5932
Total					5932
MS PG CL	Thermal	129.52	2877.31		5577
	Thml+Gas	139.95	3097.06		6027
	Hydro	34.16	529.63		1302
	Total	174.10	3626.68		7329
State Total		284.80	5499.52		18399

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Apr/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	5083	2040	447	7570	190	2732	0	5092	5497	-1162	-1045	14944	132	15076	2433	17509	49.92
2	5113	1838	447	7398	206	2642	0	5003	4876	-1019	-883	14239	259	14498	2224	16722	49.85
3	5150	1498	447	7095	176	2634	0	4890	4618	-903	-756	13767	274	14041	2090	16131	49.87
4	5183	1089	448	6720	147	2654	0	4852	5124	-821	-645	14000	285	14285	1989	16274	49.90
5	5245	905	448	6598	159	2655	0	4879	4993	-819	-599	13806	295	14101	1942	16043	49.90
6	5309	894	451	6654	172	2626	0	4922	5140	-862	-681	13911	396	14307	1982	16289	49.92
7	5302	1017	451	6770	177	2667	5	4911	5051	-898	-653	14017	694	14711	1985	16696	49.98
8	5392	1038	452	6882	156	2654	32	4926	5080	-916	-762	14042	707	14749	2103	16852	50.01
9	5408	1370	440	7218	122	2695	76	5071	5326	-1045	-1017	14420	611	15031	2376	17407	49.93
10	5366	1954	433	7753	99	2914	110	5530	5521	-1165	-1239	15158	517	15675	2736	18411	49.87
11	5449	1510	422	7381	65	3094	148	6019	5882	-1326	-1276	15294	564	15858	3030	18888	49.92
12	5669	1596	418	7683	52	3035	150	6013	5957	-1445	-1335	15542	665	16207	3162	19369	49.93
13	5680	1479	416	7575	47	2963	201	5955	6079	-1392	-1405	15460	778	16238	3188	19426	49.91
14	5682	1761	415	7858	47	2726	107	5839	5928	-1352	-1403	15263	681	15944	3227	19171	49.95
15	5713	1818	422	7953	46	2781	129	5961	6316	-1375	-1390	15835	573	16408	3227	19635	49.93
16	5502	2146	427	8075	42	2794	92	5986	6297	-1398	-1329	15971	608	16579	3236	19815	49.88
17	5435	2114	424	7973	58	2784	54	5497	5635	-1401	-1360	15144	759	15903	3219	19122	49.90
18	5437	1157	428	7022	154	2916	23	5249	5347	-1348	-1371	14091	632	14723	3138	17861	50.03
19	5409	449	432	6290	237	2945	3	5169	5454	-1264	-1342	13620	168	13788	2970	16758	49.90
20	5427	1645	431	7503	323	2980	0	5147	5127	-1245	-1226	14747	55	14802	2980	17782	49.82
21	5398	1190	427	7015	447	3104	3	5144	5237	-1231	-1154	14699	12	14711	2870	17581	49.82
22	5399	893	422	6714	301	3099	0	5224	5373	-1285	-1192	14335	1	14336	2722	17058	49.90
23	5376	1155	439	6970	258	2864	0	5285	5368	-1337	-1205	14295	1	14296	2651	16947	49.83
24	5392	1599	442	7433	295	2761	0	5326	5290	-1285	-1235	14594	1	14595	2647	17242	49.86
MUs	129.52	34.16	10.43	174.10	3.98	67.72	1.13	127.89	130.52	-28.30	-26.50	351.19	9.67	360.86	64.13	424.99	49.91

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 23/Apr/2014

Position as on 6.30 Hrs of 24/Apr/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	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
CPP JSW (J) U3	300	14/04/2014	23.51		Continued.	Annual Shutdown.	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		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	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U-4	660	14/04/2014	04:35		Continued.	With Drawan.	
Uran Unit 5	108	16/04/2014	03.31		Continued.	Gas Shortage.	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage.	
Chandrapur Unit 4	210	20/04/2014	02.58	23/04/2014	03.29	Boiler Tube Leakage.	
Bhusawal Unit 2	210	20/04/2014	04.10	24/04/2014	06.03	Bearing Temp.High.	
Parli Unit 5	210	21/04/2014	20.56	23/04/2014	12.10	Gen.Protection.	
CPP Dhariwal	300	24/04/2014	15.00	24/04/2014	19.09	Station Board Supply tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2014

Position as on 6.30 Hrs of 24/Apr/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 - I	22/04/2014	16.48	23/04/2014	09.16	Over Voltage.
Kolhapur - Mapusa - II	23/04/2014	17.08	24/04/2014	08.07	Over Voltage
Dhule-Sar'Sarovar - I	24/04/2014	03.01	24/04/2014	08.22	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	22/04/2014	10.09	23/04/2014	06.51	While charging line was tripped due to E/W broken.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	24/04/2014	13.30	24/04/2014	15.54	Distance Protection
Talangde - Chikodi	24/04/2014	14.00	24/04/2014	15.45	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Newkoyna - Jaigad - I	23/04/2014	10.46	23/04/2014	15.01	Insulator washing work
Koyna IV - Jejuri	24/04/2014	17.02	24/04/2014	19.57	Replacement of string
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bale - Lamboti I	23/04/2014	09.03	23/04/2014	11.10	Reconnecting the Jump from CT to Newly erected 29C Isolator
Apta-Uran-II	23/04/2014	09.40	23/04/2014	15.18	Hot spot
Halkarni - Momewadi -I	23/04/2014	09.52	23/04/2014	18.23	Replacement Vibration Damper
New Parly - Beed - I	23/04/2014	10.00	23/04/2014	14.36	Q.M.work
Bale - Tuljapur	23/04/2014	17.10	23/04/2014	18.56	Replacement of 29C Isolator
Chakan - Mahindra Vechicles	24/04/2014	07.22	24/04/2014	14.37	Maintenance work
Khaparkheda-Kawlewada-II	24/04/2014	08.03	24/04/2014	15.19	Conversion of SSN to DSN
Main Bus Section-III at Telco	24/04/2014	08.26	24/04/2014	18.18	Isolator replacement work
Telco-Chinchwad	24/04/2014	08.26	24/04/2014	18.18	Bus-III outage at Telco
220/132KV, 200MVA ICT-I at Theur	24/04/2014	09.05	24/04/2014	18.02	Half Yearly maint.work
Halkarni - Momewadi -I	24/04/2014	10.04	24/04/2014	17.46	Fixing of Vibration Damper
Jejury - Lonand	24/04/2014	16.45	24/04/2014	20.55	Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Temghar-Colourchem	22/04/2014	22.10	23/04/2014	01.50	To attend hot spot at CB clamp at Temghar.
Lote - Dasturi	22/04/2014	23.16	23/04/2014	00.49	To attend R-Ph CT clamp at Dasturi.
Borivali- Aarey	23/04/2014	01.05	23/04/2014	03.10	To check descrepency relay of CB.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25		Continued.	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad - Kolhapur - II	22/04/2014	16.36	23/04/2014	08.51	Over Voltage.
Bhusawal- Aurangabad	22/04/2014	22.24	23/04/2014	08.45	Over Voltage.
Karad - Kolhapur - II	23/04/2014	17.04	24/04/2014	07.28	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2014

Position as on 6.30 Hrs of 24/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	23/04/2014	21.25	24/04/2014	07.53	Over Voltage
Bhusawal- Aurangabad	23/04/2014	21.25	24/04/2014	08.28	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kandalgaon-Lonand	23/04/2014	10.30	23/04/2014	11.57	Heavy sparking
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Nagothane - I	22/04/2014	01.22	23/04/2014	07.35	Dist.Prot,B-Ph string broken & conductor snap.
Dabhol-Nagothane-II	23/04/2014	01.19	23/04/2014	10.22	Over Voltage
Koyna IV - Jejuri	23/04/2014	22.50	24/04/2014	01.49	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Pawas-Kharepatan	23/04/2014	05.40	23/04/2014	13.45	Dist.Prot.
Oni - Kharepatan	23/04/2014	06.11	23/04/2014	06.25	Tripped.
Kandalgaon - Sona Alloy	23/04/2014	10.28	23/04/2014	11.55	Tripped on O/C
Lonand - Baramati	23/04/2014	10.30	23/04/2014	11.04	Tripped on O/C
Baramati-Jejuri	23/04/2014	10.30	23/04/2014	10.50	Tripped on O/C
Lonand - Jejuri	23/04/2014	10.30	23/04/2014	11.04	Tripped on O/C
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	23/04/2014	09.01	23/04/2014	09.17	Distance Protection
Yawal-chopda	23/04/2014	14.08	23/04/2014	14.25	Distance Protection
Kalmeshwar-Hingna-II	23/04/2014	14.35	23/04/2014	18.36	Distance Protection
Amravati - Morshi	23/04/2014	19.17	23/04/2014	19.50	Distance Protection
Pathardi - Raimoha	24/04/2014	00.47	24/04/2014	01.16	Distance Protection
Mukhed-IND Bharat	24/04/2014	11.43	24/04/2014	17.50	Y Phase LA Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	430
Unit 5	500	372
	1420	952
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	155
Unit 6	250	190
Unit 7	250	185
	1130	690
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	160
Unit 4	210	0
Unit 5	500	450
Unit 6	500	360
Unit 7	500	400
	2340	1690
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	400
	1340	970
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	15
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	5
BHIRA T.R.	80	41
RNGR+BHTSA	20	10
BHANDARDRA	45	40
ELDARY	23	
SMLHY PTN	12	17
GHATGHAR	250	
	611	253
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	525
WARDHA	405	0
Adani	2640	1846
Other CPPs	300	630
	4545	3001
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6452
	3455	6452