



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Nov/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.804	2542.475	1) Gujrat	11.435	282.975
2) Hydro	7.195	209.470	2) Madhya Pradesh	14.356	405.014
3) Gas	10.125	188.431	3) Chattisgarh	11.230	278.750
Total MSGENCO	143.124	2940.376	4) Maharashtra	70.304	1628.787
B) 1) JSW JAIGAD	24.355	607.970	5) Goa	-5.578	-136.444
2) WPCL	8.795	165.565	6) TAPS 1&2 Injection	3.706	86.423
3) ADANI	0.000	81.500	7) RGPPL Injection	7.245	234.857
4) Other CPP / IPP	10.047	191.970	8) Pench (Excess)	-0.336	-12.525
5) Wind Generation	2.268	83.402	# Total Cent. Sector	112.362	2767.837
6) PENCH (MS)	0.336	13.184	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.248	-220.055
1) TPCL Thermal	26.874	601.848	G) Bilateral Power *		
2) TPCL Hydro	4.019	76.865	1) MSEDCL Bilateral	37.508	995.168
TOTAL TPCL	30.893	678.713	Include PX	-0.771	54.860
3) REL Thermal	11.819	281.710	2) MUMBAI Bilateral	9.490	263.416
D) STATE			Include PX	-2.026	20.842
1) Thermal (A1+C1+C3)	164.497	3426.033	3) MUMBAI Schedule	9.490	263.629
2) Hydro (A2+B5+C2)	11.550	299.519	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.125	188.431	1) MSEDCL	293.039	6631.749
4) Wind (B4)	2.268	83.402	2) TPCL	34.616	796.140
5) CPP (B1+B2+B3)	43.197	965.505	3) REL	16.343	384.374
TOTAL STATE	231.637	4962.890	TOTAL STATE	343.998	7812.263

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	5221	5115	4972
MSGENCO Hydro	910	580	111
MSGENCO Gas	412	424	417
MSGENCO Total Generation	6543	6119	5500
Central Sector Receipt	5402	4952	4139
WIND	19	205	21
CPP / IPP	2030	1729	1708
Exchange with Mumbai	-426	-373	-187
MSEDCL DEMAND MET	13568	12632	11181
Load Shedding	812	494	104
MSEDCL DEMAND	14380	13126	11285
TPCL GENERATION	1693	1658	833
R-INFRA GENERATION	529	528	391
TPCL+R-INFRA DEMAND	2648	2559	1411
STATE DEMAND MET	16216	15191	12592
STATE DEMAND	17028	15685	12696
Frequency (Hz)	49.99	50.08	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 16.02 Hrs	49.56 Hz at 10.15 Hrs	50.02	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 23/Nov/2012

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	3.30	74.42	152	126	130
Unit 7	3.68	67.10	170	130	140
Total	6.98	141.52			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.35	92.28	195	170	173
Unit 4	7.72	106.56	365	255	
Unit 5	1.76	8.35	136	0	
Total	13.82	207.18			173
Parli					
Unit 3	3.21	34.01	143	123	115
Unit 4	3.67	67.97	169	132	133
Unit 5	0.00	32.44	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	4.63	99.66	228	123	180
Total	11.52	258.47			428
Chandrapur					
Unit 1	3.68	77.34	156	151	160
Unit 2	3.75	59.28	162	148	160
Unit 3	4.68	90.92	202	174	175
Unit 4	4.33	104.07	197	91	160
Unit 5	9.74	215.03	430	355	360
Unit 6	10.40	188.62	460	335	450
Unit 7	9.92	204.24	457	336	400
Total	46.49	939.51			1865
Paras					
Unit 3	5.17	105.29	240	192	220
Unit 4	5.54	106.54	250	186	230
Total	10.70	211.84			450
Khaparkheda					
Unit 1	3.92	63.76	180	150	170
Unit 2	3.68	84.10	170	130	170
Unit 3	4.71	93.87	212	177	180
Unit 4	3.54	92.56	198	0	180
Unit 5	8.06	170.70	418	280	380
Total	23.91	505.00			1080
Nasik					
Unit 3	4.31	93.91	190	165	190
Unit 4	3.94	95.07	180	98	190
Unit 5	4.13	89.97	186	160	190
Total	12.38	278.95			570
Uran					
All Units	10.12	188.43	442	410	405
Total	10.12	188.43			405
PENCH (MS)					
Pench (MS)	0.34	13.18	50	0	
Total	0.34	13.18			
Koyna					
Stage 1-2	2.00	68.61	345	35	440
Stage 4	0.82	52.16	202	0	250
Stage 3	0.32	25.79	142	0	320
Kovna 12&4 Total	2.82	120.77			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.14	146.55			1010
Hydro					
KDPH	0.46	6.84	20	19	18
VTRNA	0.62	0.98	61	0	61
TILLARI	0.24	6.48	60	0	60
BHTGR/VEER	0.08	1.95	4	3	4
BHIRA T.R.	0.24	4.28	80	0	40
RNGR+BHTSA	0.15	8.32	16	0	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.84	12.96	43	32	10
GHATGHAR	1.42	21.11	240	0	0
Total	4.05	62.92			208
Wind					
MalharPeth	0.08	4.80			
Vankuswadi	0.13	8.43			
ATIT	0.01	2.38			
Kale	0.02	2.44			
Satara	0.22	13.86			
Shirala	0.02	3.20			
K Mahankal	0.01	6.50			
Supa	0.05	2.05			
Vita	0.17	12.64			
Dondaicha	1.03	13.80			
Sakri	0.18	1.68			
Nandurbar	0.08	0.98			
Khandke	0.20	6.65			
Khaparale	0.06	3.99			
Total	2.27	83.40			
CPP					
JSW JAIGAD	24.36	607.97	1216	835	1100
WARDHA	8.80	165.56	372	358	377
Adani	0.00	81.50	0	0	
Other CPPs	10.05	181.56			
Total	43.20	1036.60			1477
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.75	237.73	506	213	500
Trombay 6	6.79	126.94	449	156	500
Trombay 7A	2.99	68.32	129	119	120
Trombay 7B	1.66	37.81	70	68	60
Trombay 8	5.69	131.05	258	194	250
TATA Hydro	4.02	76.86	306	0	315
Total	30.89	678.71			1745
REL					
1&2	11.82	281.71	529	390	500
Total	11.82	281.71			500
Cent Sect					
Share					5055
Total					5055

MS PG CL	Thermal	125.80	2542.48			4836
	Thml+Gas	135.93	2730.91			5241
	Hydro	7.20	209.47			1218
	Total	143.12	2940.38			6459
State Total		231.64	4962.89			15236

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Nov/2012

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	5345	180	412	5937	46	1709	3815	4291	-351	-398	11585	107	11692	1658	13350	50.02
2	5155	112	414	5681	33	1702	3684	4095	-278	-306	11205	102	11307	1535	12842	50.06
3	5027	116	416	5559	32	1707	3601	4150	-247	-235	11213	98	11311	1463	12774	50.08
4	4972	111	417	5500	21	1708	3591	4139	-242	-187	11181	104	11285	1411	12696	50.12
5	5167	126	415	5708	44	1711	3692	4253	-249	-176	11540	140	11680	1401	13081	50.02
6	5279	121	416	5816	24	1755	4258	4596	-267	-254	11937	237	12174	1480	13654	49.90
7	5351	126	418	5895	42	2026	4790	4778	-287	-273	12492	467	12959	1603	14562	49.96
8	5369	111	418	5898	20	2023	4904	5089	-331	-264	12793	760	13553	1751	15304	50.04
9	5423	115	439	5977	22	2011	5014	5095	-407	-333	12798	766	13564	2101	15665	49.90
10	5417	363	425	6205	18	2022	4985	5351	-373	-307	13296	623	13919	2347	16266	49.92
11	5301	783	415	6499	18	2023	4976	5350	-459	-347	13543	616	14159	2560	16719	49.90
12	5221	910	412	6543	19	2030	4998	5402	-532	-426	13568	812	14380	2648	17028	49.99
13	5249	566	418	6233	40	2032	5024	5123	-523	-483	12945	921	13866	2637	16503	50.01
14	5113	359	414	5886	135	2024	4820	5058	-418	-367	12736	808	13544	2526	16070	50.09
15	5113	360	410	5883	147	1741	4795	5368	-412	-330	12809	690	13499	2534	16033	50.06
16	5114	583	422	6119	175	1731	4813	5227	-433	-356	12896	600	13496	2559	16055	50.01
17	5115	580	424	6119	205	1729	4832	4952	-431	-373	12632	494	13126	2559	15685	50.08
18	5203	361	426	5990	209	1812	4202	4261	-386	-295	11980	410	12390	2525	14915	50.06
19	5241	327	422	5990	280	1597	4844	4613	-476	-398	12129	265	12394	2618	15012	50.10
20	5268	228	428	5924	211	1609	4961	5000	-505	-397	12397	150	12547	2546	15093	50.02
21	5357	162	428	5947	183	1609	4519	4313	-499	-360	11739	149	11888	2372	14260	50.02
22	5384	153	436	5973	125	1611	4408	4090	-465	-420	11429	140	11569	2208	13777	50.07
23	5324	163	438	5925	107	1603	3904	3756	-462	-439	10999	86	11085	2048	13133	49.97
24	5292	179	442	5913	114	1672	3993	4011	-457	-524	11194	75	11269	1867	13136	50.08
MUs	125.80	7.20	10.12	143.12	2.27	43.20	107.42	112.36	-9.49	-8.25	293.04	9.62	302.66	50.96	353.61	50.02

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/Nov/2012

Position as on 6.30 Hrs of 24/Nov/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
CPP WPCL U-4	135	05/11/2012	21.30		Continued.	Maintenance Work.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Parli Unit 5	210	20/11/2012	15.50		Continued.	Flame Failure.	
Dabhol 3B	230	21/11/2012	11.41		Continued.	Gas Shortage.	
Koyna Unit 4	75	23/11/2012	06.50	23/11/2012	23.10	Maintenance work	
Khaparkheda Unit 4	210	23/11/2012	10.12	23/11/2012	12.56	Flame Failure	
Bhusawal Unit 5	500	23/11/2012	13.05	23/11/2012	19.47	Stator water Flow Low	
CPP JSW (J) U4	300	23/11/2012	14.01	23/11/2012	16.54	Bearing vibration	
CPP JSW (J) U4	300	23/11/2012	19.00	24/11/2012	02.31	Bearing vibration	
Tata Trombay 5	500	24/11/2012	00.01		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Nov/2012

Position as on 6.30 Hrs of 24/Nov/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-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		
Parly(PG) - Wardha (PG) - I	15/11/2012	20.53		Continued.	H/T For O/V
Dhule-Sar'Sarovar - II	15/11/2012	23.16	23/11/2012	08.41	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Dhule-S'Sarovar I	23/11/2012	22.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
Kolhapur - Mapusa - I	19/11/2012	00.01		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
Main Bus - II @ Koradi	19/11/2012	12.37		Continued.	Replacement of Disc Insulator
Koradi -Bhusawal	23/11/2012	08.37		Continued.	Replacement of old disc insulator of main bus-II(ready for charging).
400/220 KV 600 MVA ICT - IV @ Padgha	23/11/2012	09.13	23/11/2012	19.56	Construction of fire protection wall.
400/220 KV 315 MVA ICT - II @ Koradi.	23/11/2012	10.13	23/11/2012	15.45	Attending oil leakage from gasket of 400KV B ph. bushing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthening work(Till 22.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 22.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
Kalwa-Siemens II	21/11/2012	08.16		Continued.	Dismantling of old tower and normalization of 220KV Kalwa-Kharghar line.
Wada-Kolshet	23/11/2012	09.18	23/11/2012	15.20	R.M.Work
Anandnagar-Pal	23/11/2012	09.30	23/11/2012	18.10	Testing work.
220/132 KV 200 MVA ICT-IV @ Nasik OCR	23/11/2012	10.01	23/11/2012	19.23	Attending oil leakage work.
Usmanabad --Bale	23/11/2012	13.46	23/11/2012	22.15	Testing of distance relay and auto reclose relay.
Virur - Gadhchiroli	23/11/2012	14.14	23/11/2012	18.10	Tan delta of CT.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Nov/2012

Position as on 6.30 Hrs of 24/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Aurangabad-Deepnagar-II	17/11/2012	09.10		Continued.	Over Voltage
Karad - Kolhapur - II	22/11/2012	16.29		Continued.	Over Voltage.
Bhusawal- Aurangabad	22/11/2012	17.16		Continued.	Over Voltage.
Karad - Kolhapur - I	22/11/2012	21.07	23/11/2012	08.22	Over Voltage.
Lonikand- Koyna Stage IV	22/11/2012	22.44	23/11/2012	07.30	Over Voltage.
Karad - Kolhapur - I	23/11/2012	20.05		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/11/2012	22.21		Continued.	Over Voltage.
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. Sent for Repairs.
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Umarkhed	23/11/2012	09.31	23/11/2012	09.38	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	170
Parli		
Unit 3	210	130
Unit 4	210	155
Unit 5	210	0
Unit 6	250	0
Unit 7	250	140
	1130	425
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	400
	2340	1995
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1050
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		
KDPH	40	20
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	249
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	1100
WARDHA	405	367
Adani	660	
Other CPPs	0	
	1665	1467
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	318
	2024	1248
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4431
	3455	4431