



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Dec/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.901	2388.722	1) Gujrat	12.498	270.592
2) Hydro	16.038	389.689	2) Madhya Pradesh	17.978	399.868
3) Gas	3.331	142.949	3) Chattisgarh	9.450	221.210
Total MSGENCO	135.270	2921.360	4) Maharashtra	67.740	1675.815
B) 1) JSW JAIGAD	11.759	410.145	5) Goa	-5.261	-119.923
2) WPCL	5.317	166.915	6) TAPS 1&2 Injection	3.883	84.534
3) ADANI	34.860	627.980	7) RGPPL Injection	6.630	104.592
4) Other CPP / IPP	14.726	189.093	8) Pench (Excess)	-0.675	-9.767
5) Wind Generation	2.507	85.454	# Total Cent. Sector	112.243	2626.921
6) PENCH (MS)	0.675	9.767	F) Other Exchanges		
7) SOLAR	0.754	18.532	1) With TPCL (Excess)	-9.551	-350.705
C) 1) TPCL Thermal	17.533	404.898	G) Bilateral Power *		
2) TPCL Hydro	0.654	93.638	1) MSEDCL Bilateral	13.383	579.131
TOTAL TPCL	18.187	498.536	Include PX	-1.530	1.347
3) REL Thermal	11.122	250.333	2) MUMBAI Bilateral	10.498	340.365
			Include PX	0.191	39.927
D) STATE			3) MUMBAI Schedule	10.498	343.164
1) Thermal (A1+C1+C3)	144.556	3043.953	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B6+C2)	17.367	493.094	1) MSEDCL	308.560	6705.462
3) Gas (A3)	3.331	142.949	2) TPCL	25.341	715.161
4) Wind (B5)	2.507	85.454	3) REL	13.520	384.384
5) CPP/IPP (B1+B2+B3+B4)	66.662	801.013	TOTAL STATE	347.421	7805.007
6) SOLAR (B7)	0.754	18.532			
TOTAL STATE	235.177	4584.995			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4973	4834	4699
MSGENCO Hydro	1653	1239	148
MSGENCO Gas	139	134	142
MSGENCO Total Generation	6765	6207	4989
Central Sector Receipt	4948	4561	4505
WIND	82	45	53
CPP / IPP	3052	2901	2539
SOLAR	107	27	0
Exchange with Mumbai	-382	-274	-335
MSEDCL DEMAND MET	14625	13514	11751
Load Shedding	795	456	11
MSEDCL DEMAND	15420	13970	11762
TPCL GENERATION	949	843	619
R-INFRA GENERATION	526	527	387
TPCL+R-INFRA DEMAND	1857	1644	1341
STATE DEMAND MET	16482	15158	13092
STATE DEMAND	17277	15614	13103
Frequency (Hz)	49.84	49.98	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 15.57 Hrs	49.52 Hz at 12.14 Hrs	49.96	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 22/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	45.77	0	0	0
Unit 6	3.47	63.15	170	125	160
Unit 7	3.80	82.02	180	135	175
Total	7.27	190.94			335
Bhusawal					
Unit 2	1.50	74.39	135	0	130
Unit 3	3.15	69.04	140	125	130
Unit 4	7.88	78.52	365	275	345
Unit 5	6.14	83.54	280	230	0
Total	18.67	305.48			605
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.59	86.28	178	132	135
Unit 5	3.77	71.64	172	137	143
Unit 6	4.06	95.65	182	156	170
Unit 7	3.89	92.27	180	150	160
Total	15.31	345.84			608
Chandrapur					
Unit 1	3.47	69.99	148	141	150
Unit 2	1.17	54.86	135	0	135
Unit 3	4.06	75.13	181	148	180
Unit 4	4.43	85.76	205	174	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.62	182.81	445	355	425
Unit 7	8.50	199.65	400	269	300
Total	31.26	668.19			1370
Paras					
Unit 3	4.72	90.34	233	45	200
Unit 4	5.39	113.37	234	193	200
Total	10.11	203.71			400
Khaparkheda					
Unit 1	2.64	47.18	140	75	180
Unit 2	0.12	39.74	73	0	0
Unit 3	4.22	55.82	184	171	210
Unit 4	3.54	83.77	172	120	200
Unit 5	10.15	190.16	490	358	500
Total	20.68	416.68			1090
Nasik					
Unit 3	4.10	80.72	185	155	190
Unit 4	4.24	93.60	187	166	190
Unit 5	4.27	83.58	196	167	190
Total	12.61	257.90			570
Uran					
All Units	3.33	142.95	144	130	130
Total	3.33	142.95			130
PENCH (MS)					
Pench (MS)	0.68	9.77	54	0	
Total	0.68	9.77			
Koyna					
Stage 1-2	4.24	92.70	555	40	600
Stage 4	5.07	148.91	840	0	250
Stage 3	1.72	51.07	236	0	240
Kovna 12&4 Total	9.31	241.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.03	292.68			1090
Hydro					
KDPH	0.30	9.41	19	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.12	1.51	6	5	2
BHIRA T.R.	0.13	5.48	41	0	40
RNGR+BHTSA	0.38	8.34	16	16	16
BHANDARDRA	0.84	7.53	35	34	35
ELDARY	0.35	0.40	15	14	0
SMLHY PTN	0.83	22.90	35	34	12
GHATGHAR	2.06	41.44	250	0	0
Total	5.01	97.01			105
Wind					
MalharPeth	0.10	5.38			
Vankuswadi	0.19	10.82			
ATIT	0.02	4.68			
Kale	0.08	3.88			
Satara	1.06	30.71			
Shirala	0.09	3.87			
K Mahankal	0.02	1.74			
Supa	0.07	1.15			
Vita	0.31	9.28			
Dondaicha	0.27	7.92			
Sakri	0.02	0.95			
Nandurbar	0.02	0.59			
Khandke	0.23	2.30			
Khaparale	0.03	2.18			
Total	2.51	85.45			
CPP					
JSW JAIGAD	11.76	410.14	596	420	540
WARDHA	5.32	166.92	228	217	220
Adani	34.86	627.98	1700	1020	1851
Other CPPs	14.73	189.01			245
Total	66.66	1394.05			2856
SOLAR					
Total	0.75	18.53			
Total	0.75	18.53			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.88	230.21	501	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	29.48	50	49	120
Trombay 7B	0.96	23.74	41	39	60
Trombay 8	5.50	121.46	251	185	250
TATA Hydro	0.65	93.64	108	0	447
Total	18.19	498.54			1377
REL					
1&2	11.12	250.33	527	386	500
Total	11.12	250.33			500
Cent Sect					
Share					5132
Total					5132
MS PG CL	Thermal	115.90	2388.72		4978
	Thml+Gas	119.23	2531.67		5108
	Hydro	16.04	389.69		1195
	Total	135.27	2921.36		6303
State Total		235.18	4585.00		16168

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Dec/2013

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	4697	143	142	4982	79	2533	0	4198	4572	-536	-473	11693	4	11697	1467	13164	49.96
2	4699	148	142	4989	53	2539	0	3896	4505	-433	-335	11751	11	11762	1341	13103	50.00
3	4731	144	142	5017	57	2517	0	3651	4551	-368	-264	11878	11	11889	1279	13168	50.03
4	4775	154	144	5073	56	2487	0	3620	4476	-338	-223	11869	11	11880	1241	13121	50.07
5	4786	150	144	5080	64	2487	0	3988	4922	-335	-223	12330	11	12341	1240	13581	50.06
6	4983	200	144	5327	57	2348	0	4405	5131	-350	-274	12589	355	12944	1308	14252	50.04
7	5074	255	143	5472	107	2501	1	4570	4994	-337	-307	12768	1048	13816	1382	15198	49.98
8	5014	548	144	5706	169	2609	7	4500	4828	-311	-166	13193	1035	14228	1452	15680	49.89
9	5023	1044	142	6209	167	2732	38	4613	4845	-302	-147	13897	943	14840	1579	16419	49.88
10	4949	1470	142	6561	193	2871	75	4782	4952	-400	-341	14364	825	15189	1726	16915	49.84
11	5009	1458	140	6607	142	2986	84	4788	4903	-469	-430	14345	811	15156	1839	16995	49.83
12	4973	1653	139	6765	82	3052	107	4762	4948	-512	-382	14625	795	15420	1857	17277	49.84
13	4885	1660	136	6681	56	3029	133	4799	4734	-494	-383	14303	935	15238	1845	17083	49.81
14	4826	1431	133	6390	38	3019	109	4799	4679	-456	-393	13896	800	14696	1768	16464	49.86
15	4766	1379	130	6275	44	2964	90	4705	4892	-413	-299	14020	582	14602	1704	16306	49.93
16	4781	1609	133	6523	51	2966	77	4541	4799	-382	-285	14178	491	14669	1654	16323	49.99
17	4834	1239	134	6207	45	2901	27	4581	4561	-400	-274	13514	456	13970	1644	15614	49.98
18	4829	308	135	5272	91	2976	5	4624	4279	-405	-338	12338	413	12751	1706	14457	49.99
19	4787	184	136	5107	99	2972	1	4776	4664	-498	-523	12373	173	12546	1888	14434	49.86
20	4762	197	137	5096	117	2977	0	4792	4535	-537	-531	12244	227	12471	1913	14384	49.95
21	4736	166	136	5038	143	2977	0	4253	4891	-486	-813	12248	144	12392	1896	14288	50.10
22	4698	166	136	5000	181	2949	0	4012	4355	-438	-819	11666	54	11720	1835	13555	50.12
23	4633	166	137	4936	187	2732	0	4456	3935	-670	-737	11053	10	11063	1719	12782	50.02
24	4651	166	140	4957	229	2538	0	4277	4292	-628	-591	11425	8	11433	1577	13010	50.11
MUs	115.90	16.04	3.33	135.27	2.51	66.66	0.75	106.39	112.24	-10.50	-9.55	308.56	10.15	318.71	38.86	357.57	49.96

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 22/Dec/2013

Position as on 6.30 Hrs of 23/Dec/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
Cent_Sect Tarapur 2	160	24/11/2013	20.42		Continued.	Maint.work.	
Koyna Unit 10	80	12/12/2013	08.00	22/12/2013	11.15	Annual Maint.Work.	
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.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D Fan Problem	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP Adani U-3	660	01/12/2013	23.49	22/12/2013	05:53	TO ATTEND OIL LEAKAGE BEARING NO 7	
Uran Unit A0	120	04/12/2013	13.26		Continued.	GAS RESTRICTION	
Uran Unit 6	108	04/12/2013	13.26		Continued.	Gas Restriction	
Khaparkheda Unit 2	210	14/12/2013	11.41	22/12/2013	21.45	Poor coal receipt.	
Paras Unit 3	250	18/12/2013	10.27	22/12/2013	00.08	Furance Pressure High.	
Koradi Unit 5	200	19/12/2013	01.29		Continued.	I D Fan Problem.	
Uran Unit 7	108	19/12/2013	12.21		Continued.	Gas Shortage.	
CPP JSW (J) U1	300	20/12/2013	19.43		Continued.	CW Line Leakage.	
CPP WPCL U-4	135	22/12/2013	00:07		Continued.	Generation Water Cooler Leakage.	
Chandrapur Unit 2	210	22/12/2013	08.42		Continued.	Furnace Pressure High.	
Koyna ST - IV 3	250	22/12/2013	10.46	22/12/2013	17.05	Nemurical Prot. System Not Ready.	
Bhusawal Unit 2	210	22/12/2013	11.57		Continued.	I D Fan Bearing Temp. High.	
Koyna ST-IV 2	250	22/12/2013	12.20	22/12/2013	13.31	Sequunce & Execution Fault.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2013

Position as on 6.30 Hrs of 23/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	line readyfor charging
765 KV Seoni-Wardha-II	10/12/2013	1:24		Continued.	H/T TO CONTROL O/V
Kolhapur-Solapur(PGCIL)-I	17/12/2013	16.15		Continued.	Over Voltage.
Kolhapur - Mapusa - I	21/12/2013	16:30	22/12/2013	09.07	Over Voltage.
Solapur - Solapur (PG)	21/12/2013	18:04	22/12/2013	07.05	Over Voltage.
Kolhapur-Mapusa-II	22/12/2013	16.09		Continued.	Over Voltage.
Solapur - Solapur (PG)	22/12/2013	17.13	23/12/2013	06.43	Over Voltage.
Dhule-Sar'Sarovar - II	22/12/2013	23.03	23/12/2013	06.22	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control L/L due to 220KV Wardha-Warora Outage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
Dabhol - Nagothane - I	12/12/2013	10.48		Continued.	Testing Work.RFC 19.10 Hrs.of 16.12.2013
400/220 KV 315 MVA ICT-III @ Padgha	19/12/2013	10.22		Continued.	Taken on TBC,servicing and overhauling of 400KV A bus PG isolator of R.Y.B-Ph.
400/220KV,500MVA ICT-III At Kalwa.	22/12/2013	08.05	22/12/2013	11.07	Crow Fault.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
220/132 KV 150 MVA T/F-I @ Boiser	10/12/2013	13.04		Continued.	Vaccum and drying process due to moisture in WDG.of ICT.
Trombay-Dharavi	16/12/2013	09.34		Continued.	Erection of Cable ceiling end and Tugh Bus removal at Trombay
Ahmadnagar-Bose II	16/12/2013	16.13		Continued.	To attend discrepancies during joint inspection
220/132KV 100MVA ICT-I at Dondaicha	22/12/2013	09.08	22/12/2013	11.10	For Connecting Jumpers Isolator Repl.Work.(ICT Charged on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Bhusawal - Deepnagar - II	03/12/2013	12.08		Continued.	Over Voltage.
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
Karad - Kolhapur - II	08/12/2013	16.36		Continued.	OVER VOLTAGE
Bhusawal- Aurangabad	13/12/2013	18.55	22/12/2013	11.29	over voltage
Karad-Jaigad I	21/12/2013	17:04	22/12/2013	09.59	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2013

Position as on 6.30 Hrs of 23/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	22/12/2013	00;47	22/12/2013	09.00	Over Voltage.
Bhusawal- Aurangabad	22/12/2013	18.03		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	22/12/2013	21.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.
Aurangabad - Babaleshwar	22/12/2013	08.51		Continued.	To Control loading of Aurangabad ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	22/12/2013	16.38		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Dondaicha - Sahada	22/12/2013	14.00	22/12/2013	14.15	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	116
Unit 4	500	300
Unit 5	500	0
	1420	416
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	145
Unit 6	250	185
Unit 7	250	160
	1130	620
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
Unit 6	500	405
Unit 7	500	325
	2340	1240
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	100
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
	1340	1120
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	130
	852	130
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	35
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	105
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	548
WARDHA	405	220
Adani	1980	1851
Other CPPs	300	245
	3885	2864
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	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5079
	3455	5079