



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Dec/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.581	1029.873	1) Gujrat	13.716	142.884
2) Hydro	15.571	167.248	2) Madhya Pradesh	17.534	198.367
3) Gas	7.511	72.616	3) Chattisgarh	10.460	105.550
Total MSGENCO	141.663	1269.737	4) Maharashtra	74.782	807.834
B) 1) JSW JAIGAD	19.154	193.698	5) Goa	-5.489	-54.496
2) WPCL	7.945	75.680	6) TAPS 1&2 Injection	3.898	38.448
3) ADANI	26.560	282.950	7) RGPPL Injection	6.808	25.556
4) Other CPP / IPP	8.404	76.441	8) Pench (Excess)	-0.265	-3.886
5) Wind Generation	3.844	42.711	# Total Cent. Sector	121.444	1260.257
6) PENCH (MS)	0.265	3.886	F) Other Exchanges		
7) SOLAR	1.034	7.648	1) With TPCL (Excess)	-21.541	-177.995
C) 1) TPCL Thermal	17.961	190.780	G) Bilateral Power *		
2) TPCL Hydro	3.878	46.762	1) MSEDCL Bilateral	31.076	296.090
TOTAL TPCL	21.839	237.542	Include PX	0.315	9.518
3) REL Thermal	7.228	115.409	2) MUMBAI Bilateral	17.679	175.322
D) STATE			Include PX	0.242	34.543
1) Thermal (A1+C1+C3)	143.770	1336.062	3) MUMBAI Schedule	20.477	178.120
2) Hydro (A2+B6+C2)	19.714	217.896	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.511	72.616	1) MSEDCL	308.772	3035.013
4) Wind (B5)	3.844	42.711	2) TPCL	33.126	342.414
5) CPP/IPP (B1+B2+B3+B4)	62.063	372.379	3) REL	17.483	188.531
6) SOLAR (B7)	1.034	7.648	TOTAL STATE	359.381	3565.958
TOTAL STATE	237.936	2049.312			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5013	5250	4556
MSGENCO Hydro	1604	1737	120
MSGENCO Gas	306	295	325
MSGENCO Total Generation	6923	7282	5001
Central Sector Receipt	5733	4878	4222
WIND	93	100	171
CPP / IPP	2784	2754	2252
SOLAR	141	41	0
Exchange with Mumbai	-1171	-1104	-442
MSEDCL DEMAND MET	14503	14004	11204
Load Shedding	816	525	29
MSEDCL DEMAND	15319	14529	11233
TPCL GENERATION	1150	1173	613
R-INFRA GENERATION	264	263	384
TPCL+R-INFRA DEMAND	2585	2540	1439
STATE DEMAND MET	17088	16544	12643
STATE DEMAND	17904	17069	12672
Frequency (Hz)	49.98	49.93	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 15.58 Hrs	49.53 Hz at 17.37 Hrs	49.97	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 10/Dec/2013

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	11.54	128.13			1170	
Unit 5	2.58	22.46	135	78	100	Hydro						
Unit 6	2.92	33.05	145	90	120	KDPH	0.15	5.01	19	0	19	
Unit 7	3.22	37.40	150	100	120	VTRNA	0.00	0.00	0	0	0	
Total	8.72	92.91			340	TILLARI	0.00	0.00	0	0	0	
Bhusawal						BHTGR/VEER	0.10	0.83	4	4	7	
Unit 2	3.17	35.98	167	0	150	BHIRA T.R.	0.13	2.83	41	0	40	
Unit 3	3.62	35.52	155	140	150	RNGR+BHTSA	0.38	3.82	16	15	7	
Unit 4	3.73	3.76	210	55	110	BHANDARDRA	0.00	0.00	0	0	7	
Unit 5	5.78	16.23	283	164	0	ELDARY	0.00	0.00	0	0		
Total	16.29	91.49			410	SMLHY_PTN	0.99	9.88	42	41	8	
Parli						GHATGHAR	2.29	16.74	250	0		
Unit 3	0.00	0.00	0	0	0	Total	4.03	39.12			88	
Unit 4	3.87	38.93	171	152	170	Wind						
Unit 5	3.74	24.75	171	152	170	MalharPeth	0.25	2.59				
Unit 6	4.70	44.01	220	160	220	Vankuswadi	0.66	5.29				
Unit 7	4.58	42.34	222	158	220	ATIT	0.06	1.06				
Total	16.89	150.03			780	Kale	0.15	1.96				
Chandrapur						Satara	1.68	16.14				
Unit 1	2.92	30.98	132	115	125	Shirala	0.16	1.89				
Unit 2	3.03	31.14	136	119	120	K Mahankal	0.05	0.85				
Unit 3	4.05	40.46	188	136	170	Supa	0.08	0.60				
Unit 4	4.63	43.88	210	173	200	Vita	0.38	5.56				
Unit 5	0.00	0.00	0	0	0	Dondaicha	0.19	3.82				
Unit 6	9.38	69.17	420	310	380	Sakri	0.01	0.45				
Unit 7	9.24	91.73	415	357	380	Nandurbar	0.02	0.28				
Total	33.26	307.35			1375	Khandke	0.01	1.09				
Paras						Khaparale	0.14	1.13				
Unit 3	5.19	47.90	232	193	200	Total	3.84	42.71				
Unit 4	4.93	51.60	220	184	200	CPP						
Total	10.12	99.51			400	JSW_JAIGAD	19.15	193.70	899	705	810	
Khaparkheda						WARDHA	7.94	75.68	333	329	330	
Unit 1	3.32	10.74	155	100	180	Adani	26.56	282.95	1290	860	1234	
Unit 2	3.00	29.85	145	90	160	Other_CPPs	8.40	76.44				
Unit 3	0.00	21.20	0	0	0	Total	62.06	628.77			2374	
Unit 4	4.42	40.53	206	170	190	SOLAR						
Unit 5	9.79	80.15	465	281	450	Total	1.03	7.65				
Total	20.53	182.48			980	Total	1.03	7.65				
Nasik						Tata						
Unit 3	4.24	31.16	190	165	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.26	42.57	187	166	190	Trombay 5	9.98	107.62	500	318	500	
Unit 5	4.28	32.38	190	165	190	Trombay 6	0.00	0.00	0	0	0	
Total	12.77	106.12			570	Trombay 7A	1.46	14.37	62	59	120	
Uran						Trombay 7B	1.15	11.54	50	46	60	
All Units	7.51	72.62	329	288	300	Trombay 8	5.37	57.25	252	185	250	
Total	7.51	72.62			300	TATA Hydro	3.88	46.76	395	0	447	
PENCH (MS)						Total	21.84	237.54			1377	
Pench (MS)	0.26	3.89	53	0		REL						
Total	0.26	3.89				1&2	7.23	115.41	499	190	500	
Koyna						Total	7.23	115.41			500	
Stage 1-2	3.68	42.70	485	40	600	Cent Sect						
Stage 4	5.66	62.82	1102	0	250	Share					5342	
Stage 3	2.20	22.61	240	0	320	Total					5342	
Koyna 12&4 Total	9.34	105.52			850	MS PG CL						
							Thermal	118.58	1029.87			4855
							Thml+Gas	126.09	1102.49			5155
							Hydro	15.57	167.25			1258
							Total	141.66	1269.74			6413
							State Total	237.94	2049.31			16006

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 10/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 SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4444	120	325	4889	217	2240	0	4588	4785	-461	-643	11488	8	11496	1639	13135	50.01
2	4503	130	325	4958	184	2251	0	4193	4644	-374	-515	11522	17	11539	1511	13050	50.06
3	4556	120	325	5001	171	2252	0	4130	4222	-325	-442	11204	29	11233	1439	12672	50.05
4	4570	125	325	5020	171	2245	0	4123	4294	-317	-391	11339	29	11368	1389	12757	50.10
5	4631	135	325	5091	163	2250	0	4426	4760	-316	-401	11863	38	11901	1400	13301	49.99
6	4737	134	329	5200	190	2383	0	4833	5235	-345	-495	12513	158	12671	1498	14169	49.97
7	4911	161	329	5401	190	2639	4	4744	4964	-400	-466	12732	444	13176	1685	14861	49.97
8	4969	401	326	5696	172	2677	17	4790	5350	-556	-443	13469	875	14344	1806	16150	49.87
9	4997	878	322	6197	156	2697	58	4936	5520	-860	-693	13935	908	14843	2034	16877	49.86
10	5065	1411	312	6788	152	2672	115	5020	5404	-938	-874	14257	700	14957	2333	17290	49.92
11	5017	1642	310	6969	140	2876	143	5164	5617	-1181	-1096	14649	673	15322	2548	17870	49.98
12	5013	1604	306	6923	93	2784	141	5303	5733	-1211	-1171	14503	816	15319	2585	17904	49.98
13	4993	1406	302	6701	78	2799	152	5324	5614	-1186	-1186	14158	957	15115	2582	17697	49.96
14	5123	923	300	6346	79	2764	160	5283	5663	-1163	-1057	13955	828	14783	2482	17265	49.93
15	5166	1319	292	6777	74	2766	107	5087	5375	-1147	-1004	14095	641	14736	2523	17259	49.83
16	5181	2091	288	7560	81	2750	90	4736	4960	-1168	-1056	14413	542	14955	2528	17483	49.99
17	5250	1737	295	7282	100	2754	41	4745	4878	-1167	-1104	14004	525	14529	2540	17069	49.93
18	5249	438	300	5987	145	2763	6	4776	4879	-1182	-1136	12697	611	13308	2535	15843	49.88
19	5279	281	306	5866	165	2790	0	4876	5110	-1283	-1246	12738	354	13092	2584	15676	49.98
20	5257	108	307	5672	179	2725	0	5230	5075	-966	-1311	12393	368	12761	2573	15334	49.93
21	5136	100	312	5548	192	2687	0	5104	5332	-1167	-1357	12427	197	12624	2383	15007	50.03
22	5100	100	315	5515	210	2674	0	5052	4663	-1144	-1283	11779	89	11868	2202	14070	50.07
23	4870	101	316	5287	258	2372	0	4994	4787	-756	-1145	11559	18	11577	1949	13526	50.00
24	4713	106	319	5138	284	2253	0	4104	4580	-866	-1026	11229	18	11247	1860	13107	50.05
MUs	118.73	15.57	7.51	141.81	3.84	62.06	1.03	115.56	121.44	-20.48	-21.54	308.92	9.84	318.76	50.61	369.37	49.97

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 10/Dec/2013

Position as on 6.30 Hrs of 11/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.	13/12/2013
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	
CPP INDIABULLS	270	25/11/2013	00:00		Continued.	Non-availability of coal	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	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 3	210	07/12/2013	02.14		Continued.	Furnace Pressure high.	
REL 2	250	10/12/2013	07.28		Continued.	BLR T/L.	
Bhusawal Unit 2	210	10/12/2013	10.01	10/12/2013	13.22	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2013

Position as on 6.30 Hrs of 11/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - III	10/12/2013	10.49	10/12/2013	16.39	Q.M.Work
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		
Seoni-Wardha-II 765KV.	02/12/2013	22.05		Continued.	OVER VOLTAGE
Kolhapur-Solapur(PGCIL)-I	03/12/2013	16:42		Continued.	Over Voltage.
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	line readyfor charging
Kolhapur - Mapusa - I	09/12/2013	16.28	10/12/2013	09.58	Over Voltage.
Dhule-Sar'Sarovar - I	10/12/2013	02.08	10/12/2013	07.03	Over Voltage.
Kolhapur - Mapusa - II	10/12/2013	16.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	10/12/2013	23.36		Continued.	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.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	08/12/2013	23.03		Continued.	TRIPPED ON OVER VOLTAGE
Voltage Level : 220KV			Outage Type TRIPPED		
Talangde - Chikodi	09/12/2013	20.55	10/12/2013	18.56	Distance Protection.
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)
400/220KV 315MVA ICT- I @ Chandrapur	04/12/2013	11.20		Continued.	Taken on TBC LV Side for Breaker Work Upto 9.12.13.
400/220KV 500 MVA ICT I at Kalwa	10/12/2013	19.06	10/12/2013	19.27	Taken on TBC,SF-6 gas leakage of Y-Ph pole.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Bus Sectioniser @ Apta	04/12/2013	09.57		Continued.	Replacement of Isolator & 6 No's of CT's Upto 8.12.13.
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Khaperkheda - Wardha.	06/12/2013	09.25	10/12/2013	15.01	Raising height of tower for VIPL line crossing.
Purti - Bhugaon	06/12/2013	09.28	10/12/2013	15.12	Raising height of tower for VIPL line crossing.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
220/132 KV 200 MVA ICT-II @ Boiser	10/12/2013	07.52	10/12/2013	12.49	Daignostic test.
Pedambe -Nerale	10/12/2013	08.25	10/12/2013	18.30	Insulator Repl.work.
Kandalgaon-Bhira	10/12/2013	09.10		Continued.	Repl.of Bus Isolator work.
Parly - Girwali - II	10/12/2013	10.05	10/12/2013	16.14	Q.M.Work
Apta - ACCIL	10/12/2013	10.49	10/12/2013	18.18	Hot Spot & Repl of E/W.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2013

Position as on 6.30 Hrs of 11/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pedambe - Adlab	10/12/2013	11.35	10/12/2013	17.40	Hot Spot.
Amalner - Dondaicha	10/12/2013	11.35	10/12/2013	12.55	Removing jumper for repl.of isolator.
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.
SPCL - IPCL	10/12/2013	15.23	10/12/2013	18.18	Repl of Y-Ph CT jumper.
Khaperkheda-Purti	10/12/2013	15.26		Continued.	For diversion Ckt.
Voltage Level : 400KV		Outage Type FORCED OUTAGE			
Dabhol - New Koyna - I	30/11/2013	21.54		Continued.	H/T TO CONTROL OVER VOLTAGE
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
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	To attend Y ph ISO. at Waluj end.
Karad - Kolhapur - II	08/12/2013	16.36		Continued.	OVER VOLTAGE
Bhusawal- Aurangabad	09/12/2013	17.10	10/12/2013	14.29	Over Voltage.
Karad-Jaigad I	09/12/2013	21.28	10/12/2013	08.55	Over Voltage.
Lonikand- Koyna Stage IV	09/12/2013	23.09	10/12/2013	09.02	Over Voltage.
Bhusawal- Aurangabad	10/12/2013	17.06		Continued.	Over Voltage.
Kalwa-Padgha II	10/12/2013	18.28	10/12/2013	19.41	To free TBC.
Karad-Jaigad I	10/12/2013	20.27		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	10/12/2013	21.58		Continued.	Over Voltage.
Voltage Level : 220KV		Outage Type HAND TRIPPED			
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Aurangabad - Babaleshwar	30/11/2013	9.24		Continued.	TO CONTROL A'BAD ICT LOADING
Voltage Level : 400KV		Outage Type TRIPPED			
Dabhol - Nagothane - I	24/11/2013	16.10		Continued.	Over Voltage.
Karad - Kolhapur - I	08/12/2013	4.03		Continued.	over voltage
Voltage Level : 220KV		Outage Type TRIPPED			
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 11/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	0
Unit 5	200	135	BHTGR/VEER	21	6
Unit 6	210	120	BHIRA T.R.	80	40
Unit 7	210	160	RNGR+BHTSA	20	6
	620	415	BHANDARDRA	45	6
Bhusawal			ELDARY	23	
Unit 2	210	150	SMLHY_PTIN	12	6
Unit 3	210	150	GHATGHAR	250	
Unit 4	500	215		611	84
Unit 5	500		Wind		
	1420	515	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	150	Kale	0	
Unit 5	210	160	Satara	0	
Unit 6	250	160	Shirala	0	
Unit 7	250	160	K Mahankal	0	
	1130	630	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	125	Dondaicha	0	
Unit 2	210	125	Sakri	0	
Unit 3	210	170	Nandurbar	0	
Unit 4	210	180	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	375		0	
Unit 7	500	370	CPP		
	2340	1345	JSW_JAIGAD	1200	830
Paras			WARDHA	405	340
Unit 3	250	240	Adani	1980	1234
Unit 4	250	240	Other_CPPs	300	
	500	480		3885	2404
Khaparkheda			SOLAR		
Unit 1	210	180	Total	0	
Unit 2	210	160		0	
Unit 3	210	0	Tata		
Unit 4	210	190	Trombay 4	150	0
Unit 5	500	450	Trombay 5	500	500
	1340	980	Trombay 6	500	0
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	190	Trombay 8	250	250
Unit 5	210	190	TATA Hydro	444	447
	630	570		2024	1377
Uran			REL		
All Units	852	300	1&2	500	250
	852	300		500	250
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5151
	53			3455	5151
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	20			
VTRNA	60	0			