



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Dec/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.777	2043.363	1) Gujrat	10.764	237.448
2) Hydro	23.278	331.279	2) Madhya Pradesh	15.299	349.745
3) Gas	5.548	132.907	3) Chattisgarh	9.930	192.660
Total MSGENCO	138.603	2507.549	4) Maharashtra	72.982	1459.400
B) 1) JSW JAIGAD	19.945	368.037	5) Goa	-5.228	-102.863
2) WPCL	7.942	145.676	6) TAPS 1&2 Injection	3.855	73.110
3) ADANI	29.250	534.710	7) RGPPL Injection	6.642	84.758
4) Other CPP / IPP	8.530	150.373	8) Pench (Excess)	-0.607	-8.389
5) Wind Generation	2.089	80.242	# Total Cent. Sector	113.637	2285.869
6) PENCH (MS)	0.607	8.389	F) Other Exchanges		
7) SOLAR	0.948	16.215	1) With TPCL (Excess)	-15.689	-310.973
C) 1) TPCL Thermal	17.511	353.837	G) Bilateral Power *		
2) TPCL Hydro	5.030	84.808	1) MSEDCL Bilateral	29.290	532.665
TOTAL TPCL	22.541	438.645	Include PX	-1.490	3.710
3) REL Thermal	10.599	215.694	2) MUMBAI Bilateral	14.515	303.915
			Include PX	0.224	41.085
D) STATE			3) MUMBAI Schedule	14.515	306.714
1) Thermal (A1+C1+C3)	137.887	2612.894	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B6+C2)	28.915	424.476	1) MSEDCL	305.862	5786.087
3) Gas (A3)	5.548	132.907	2) TPCL	32.133	627.452
4) Wind (B5)	2.089	80.242	3) REL	16.695	337.832
5) CPP/IPP (B1+B2+B3+B4)	65.667	693.336	TOTAL STATE	354.690	6751.371
6) SOLAR (B7)	0.948	16.215			
TOTAL STATE	241.054	3960.070			

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	4644	4698	4406
MSGENCO Hydro	2244	1638	160
MSGENCO Gas	290	135	337
MSGENCO Total Generation	7178	6471	4903
Central Sector Receipt	5273	5066	4069
WIND	56	98	70
CPP / IPP	2809	2781	2692
SOLAR	121	42	0
Exchange with Mumbai	-938	-717	-297
MSEDCL DEMAND MET	14549	13794	11437
Load Shedding	962	580	37
MSEDCL DEMAND	15511	14374	11474
TPCL GENERATION	1259	1209	614
R-INFRA GENERATION	318	524	393
TPCL+R-INFRA DEMAND	2515	2450	1304
STATE DEMAND MET	17064	16244	12741
STATE DEMAND	18026	16824	12778
Frequency (Hz)	50.00	49.80	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 15:56 Hrs	49.48 Hz at 09:22 Hrs	49.93	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 19/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.16	45.77	112	0	0
Unit 6	3.13	52.80	148	103	130
Unit 7	3.54	70.72	165	135	155
Total	6.83	169.29			285
Bhusawal					
Unit 2	3.22	66.68	145	120	150
Unit 3	3.24	59.65	150	125	150
Unit 4	6.18	56.18	300	205	269
Unit 5	5.16	65.10	280	150	0
Total	17.81	247.62			569
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.02	74.92	180	155	150
Unit 5	3.93	60.07	175	146	160
Unit 6	4.28	83.22	194	165	165
Unit 7	4.15	80.31	188	150	160
Total	16.39	298.53			635
Chandrapur					
Unit 1	3.24	59.96	143	128	140
Unit 2	0.01	48.21	12	0	0
Unit 3	4.09	64.23	178	147	190
Unit 4	4.78	71.99	208	170	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.55	153.79	425	370	405
Unit 7	9.16	173.88	411	338	360
Total	30.83	572.06			1295
Paras					
Unit 3	0.00	85.62	0	0	0
Unit 4	5.19	96.88	235	202	240
Total	5.19	182.49			240
Khaparkheda					
Unit 1	3.56	37.50	170	125	180
Unit 2	0.00	39.62	0	0	0
Unit 3	3.67	43.10	186	0	180
Unit 4	4.16	71.52	183	150	180
Unit 5	8.53	161.66	455	0	450
Total	19.91	353.39			990
Nasik					
Unit 3	4.32	68.28	190	170	190
Unit 4	4.23	80.95	188	168	190
Unit 5	4.26	70.76	191	162	190
Total	12.82	219.98			570
Uran					
All Units	5.55	132.91	339	135	310
Total	5.55	132.91			310
PENCH (MS)					
Pench (MS)	0.61	8.39	54	0	0
Total	0.61	8.39			0
Koyna					
Stage 1-2	4.92	78.82	500	40	600
Stage 4	10.63	126.02	1120	0	250
Stage 3	3.13	43.44	240	0	240
Kovna 12&4 Total	15.54	204.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.68	248.28			1090
Hydro					
KDPH	0.45	8.96	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.04	1.32	2	1	15
BHIRA T.R.	0.25	4.84	41	0	40
RNGR+BHTSA	0.39	7.23	17	16	15
BHANDARDRA	0.78	5.00	33	26	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.10	20.12	46	45	14
GHATGHAR	1.59	35.53	250	0	0
Total	4.60	83.00			117
Wind					
MalharPeth	0.08	4.96			
Vankuswadi	0.14	10.40			
ATIT	0.01	4.51			
Kale	0.02	3.73			
Satara	0.33	28.72			
Shirala	0.02	3.73			
K Mahankal	0.00	1.70			
Supa	0.01	1.04			
Vita	0.18	8.58			
Dondaicha	1.03	7.42			
Sakri	0.16	0.90			
Nandurbar	0.06	0.54			
Khandke	0.00	2.02			
Khaparale	0.04	1.99			
Total	2.09	80.24			
CPP					
JSW JAIGAD	19.94	368.04	907	781	825
WARDHA	7.94	145.68	334	329	330
Adani	29.25	534.71	1230	1200	1234
Other CPPs	8.53	150.29			
Total	65.67	1198.72			2389
SOLAR					
Total	0.95	16.22			
Total	0.95	16.22			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.84	199.77	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	25.90	50	49	120
Trombay 7B	0.97	20.84	41	39	60
Trombay 8	5.50	107.32	253	185	250
TATA Hydro	5.03	84.81	452	0	447
Total	22.54	438.64			1377
REL					
1&2	10.60	215.69	527	262	500
Total	10.60	215.69			500
Cent Sect					
Share					4857
Total					4857
MS PG CL	Thermal	109.78	2043.36		4584
	Thml+Gas	115.32	2176.27		4894
	Hydro	23.28	331.28		1207
	Total	138.60	2507.55		6101
State Total		241.05	3960.07		15224

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4520	153	339	5012	107	2698	0	4135	4204	-525	-526	11495	23	11518	1530	13048	49.94
2	4404	154	337	4895	109	2697	0	3860	4144	-407	-394	11451	37	11488	1400	12888	49.95
3	4380	160	339	4879	105	2700	0	3517	4105	-358	-329	11460	37	11497	1334	12831	49.99
4	4406	160	337	4903	70	2692	0	3484	4069	-325	-297	11437	37	11474	1304	12778	49.99
5	4420	175	339	4934	110	2698	0	3859	4279	-331	-316	11705	37	11742	1320	13062	50.01
6	4451	160	310	4921	149	2691	0	4381	4912	-389	-426	12247	357	12604	1440	14044	49.97
7	4559	600	338	5497	130	2696	0	4501	4651	-408	-493	12514	1117	13631	1629	15260	49.89
8	4311	1554	335	6200	72	2699	12	4564	4868	-389	-357	13541	1201	14742	1778	16520	49.90
9	4187	2149	301	6637	77	2708	47	4667	4935	-410	-362	14092	1161	15253	2017	17270	49.81
10	4294	2262	298	6854	48	2822	116	4746	5002	-500	-489	14406	903	15309	2308	17617	49.84
11	4483	2203	298	6984	37	2804	111	4849	5250	-713	-703	14537	832	15369	2474	17843	50.05
12	4644	2244	290	7178	56	2809	121	4878	5273	-901	-938	14549	962	15511	2515	18026	50.00
13	4657	1981	194	6832	59	2797	143	5064	5256	-927	-1004	14130	1165	15295	2492	17787	49.96
14	4687	1777	135	6599	61	2784	117	5056	5271	-860	-863	14019	1030	15049	2408	17457	49.96
15	4701	1727	135	6563	74	2795	128	4913	5209	-834	-713	14106	780	14886	2434	17320	49.88
16	4693	1951	135	6779	86	2780	98	4802	5025	-643	-639	14179	623	14802	2432	17234	49.76
17	4698	1638	135	6471	98	2781	42	4843	5066	-675	-717	13794	580	14374	2450	16824	49.80
18	4797	605	135	5537	73	2793	12	4839	4646	-688	-765	12349	729	13078	2446	15524	49.89
19	4803	335	135	5273	88	2784	1	4981	5022	-806	-841	12344	605	12949	2512	15461	49.93
20	4786	314	135	5235	117	2701	0	4991	4840	-725	-922	11971	698	12669	2494	15163	49.88
21	4818	268	137	5223	146	2692	0	4583	4816	-663	-935	11942	484	12426	2267	14693	49.97
22	4766	284	137	5187	80	2683	0	4003	4412	-651	-956	11406	318	11724	2140	13864	49.92
23	4707	237	137	5081	62	2671	0	3941	4084	-754	-939	10959	173	11132	1957	13089	50.01
24	4605	187	137	4929	75	2692	0	3956	4298	-634	-765	11229	129	11358	1748	13106	50.13
MUs	109.78	23.28	5.55	138.60	2.09	65.67	0.95	107.41	113.64	-14.51	-15.69	305.86	14.02	319.88	48.83	368.71	49.93

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 19/Dec/2013

Position as on 6.30 Hrs of 20/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		Continued.	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	
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 2	210	14/12/2013	11.41		Continued.	Poor coal receipt.	
Chandrapur Unit 2	210	17/12/2013	03.52	19/12/2013	23.25	Boiler Tube Leakage	
Paras Unit 3	250	18/12/2013	10.27		Continued.	Furance Pressure High.	
Koyna Unit 1	75	18/12/2013	22.30	19/12/2013	02.50	Gear Air Coller Water Leakage.	
Koradi Unit 5	200	19/12/2013	01.29		Continued.	I D Fan Problem.	
Khaparkheda Unit 5	500	19/12/2013	07.08	19/12/2013	09.50	Master Fuel Trip.	
REL 1	250	19/12/2013	11.13	19/12/2013	13.27	Generator Excitation Problem.	
Uran Unit 7	108	19/12/2013	12.21		Continued.	Gas Shortage.	
Khaparkheda Unit 3	210	19/12/2013	22.47	20/12/2013	01.05	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2013

Position as on 6.30 Hrs of 20/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	18/12/2013	16.13	19/12/2013	09.32	Over Voltage.
Solapur - Solapur (PG)	18/12/2013	21.41	19/12/2013	06.49	Over Voltage.
Dhule-Sar'Sarovar - I	18/12/2013	22.09	19/12/2013	06.52	Over Voltage.
Kolhapur - Mapusa - II	19/12/2013	16.36		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	19/12/2013	22.07		Continued.	Over Voltage.
Solapur - Solapur (PG)	19/12/2013	22.14		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.
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.
400/220 KV 500 MVA ICT-I @ Jejuri	19/12/2013	07.19	19/12/2013	20.05	A.M.Work
Chandrapur - Parli - II	19/12/2013	09.12	19/12/2013	17.24	Hot Spot.
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.
Main Bus - I @ Chandrapur II	19/12/2013	11.03	19/12/2013	17.15	Jumpering work of Bay 428 with main Bus by Hot Line Method.
Main Bus-II at 400 KV Lonikand.	19/12/2013	11.46	19/12/2013	21.32	Repl.of CVT under Jica II.
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
Kandalgaon - Pophali	18/12/2013	08.06	19/12/2013	22.55	Replacement of CB Under JICA-II upto 20.12.13.
Talandage-Hamidwada	19/12/2013	08.54	19/12/2013	17.47	Repl.of disc insulator.
Karad Mudsingi-II	19/12/2013	10.43	19/12/2013	13.20	Repl.of flashover insulator on Takari Tap Line.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2013

Position as on 6.30 Hrs of 20/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
C' Enka - Khadki	19/12/2013	10.43	19/12/2013	17.16	Repl.of isolator under JICA II,CT tan delta measurement.
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		Continued.	over voltage
Karad-Jaigad I	18/12/2013	21.34	19/12/2013	09.14	Over Voltage.
Lonikand- Koyna Stage IV	18/12/2013	21.42		Continued.	Over Voltage.RFC 22.23 Hrs on 19.12.13
Karad-Jaigad I	19/12/2013	21.50		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.
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Elichpur - Hingoli	19/12/2013	19.40	19/12/2013	21.08	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	323
Unit 5	500	
	1420	583
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	163
Unit 6	250	170
Unit 7	250	162
	1130	655
Chandrapur		
Unit 1	210	140
Unit 2	210	80
Unit 3	210	170
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1390
Paras		
Unit 3	250	0
Unit 4	250	240
	500	240
Khaparkheda		
Unit 1	210	162
Unit 2	210	0
Unit 3	210	162
Unit 4	210	180
Unit 5	500	425
	1340	929
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	18
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	17
BHANDARDRA	45	33
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	120
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	825
WARDHA	405	334
Adani	1980	1234
Other CPPs	300	
	3885	2393
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	5206
	3455	5206