



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Dec/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.891	2794.456	1) Gujrat	2.710	22.729
2) Hydro	8.475	220.370	2) Madhya Pradesh	9.925	261.602
3) Gas	10.745	200.931	3) Chattisgarh	5.620	135.100
Total MSGENCO	148.111	3215.757	4) Maharashtra Net	84.094	2013.299
B) 1) JSW JAIGAD	19.444	492.847	(Incl. 765kV Solapur-Raichur)	-10.569	-149.552
2) WPCL	2.764	61.551	5) Goa	-5.913	-139.851
3) ADANI	41.940	1133.410	6) TAPS 1&2 Injection	3.623	97.598
4) Other CPP / IPP	24.229	517.488	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.003	164.933	8) Pench (Excess)	-0.018	-2.220
6) PENCH (MS)	0.018	2.220			
7) SOLAR	1.162	22.331	# Total Cent. Sector	100.041	2388.257
C) 1) TPCL Thermal	15.100	379.697	F) Other Exchanges		
2) TPCL Hydro	4.726	82.820	1) With TPCL (Excess)	-18.339	-507.265
TOTAL TPCL	19.826	462.517	G) Bilateral Power *		
3) REL Thermal	10.485	198.230	1) MSEDCL Bilateral	20.584	581.833
D) STATE			Include PX	-5.673	-39.761
1) Thermal (A1+C1+C3)	154.476	3372.383	2) MUMBAI Bilateral	17.317	445.175
2) Hydro (A2+B6+C2)	13.219	305.410	Include PX	0.093	42.536
3) Gas (A3)	10.745	200.931	3) MUMBAI Schedule	17.317	451.051
4) Wind (B5)	5.003	164.933	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	88.377	2205.296	1) MSEDCL	324.373	7491.529
6) SOLAR (B7)	1.162	22.331	2) TPCL	30.585	714.644
TOTAL STATE	272.982	6271.284	3) REL	18.063	452.633
			TOTAL STATE	373.021	8658.806

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5581	5792	5024
MSGENCO Hydro	845	617	134
MSGENCO Gas	465	450	495
MSGENCO Total Generation	6891	6859	5653
Central Sector Receipt	5490	5200	2234
WIND	80	29	412
CPP / IPP	4022	3814	3261
SOLAR	149	167	0
Exchange with Mumbai	-823	-815	-430
MSEDCL DEMAND MET	15809	15254	11130
Load Shedding	63	72	59
MSEDCL DEMAND	15872	15326	11189
TPCL GENERATION	1190	1041	516
R-INFRA GENERATION	523	523	388
TPCL+R-INFRA DEMAND	2536	2379	1334
STATE DEMAND MET	18345	17633	12464
STATE DEMAND	18408	17705	12523
Frequency (Hz)	49.84	49.98	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 23.00 Hrs	49.54 Hz at 09.09 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 23/Dec/2014

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	3.94	81.12	175	142	170
Unit 7	4.11	91.12	180	160	175
Total	8.05	172.24			345
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	10.44	208.64	510	355	425
Unit 5	9.38	200.51	500	330	400
Total	19.82	461.63			825
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	0.00	0.00	0	0	
Unit 5	3.60	82.19	155	143	150
Unit 6	5.51	118.94	250	209	212
Unit 7	5.11	117.87	220	198	213
Total	14.22	319.01			575
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.37	75.68	145	135	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.30	97.04	198	163	200
Unit 5	9.32	204.16	450	352	400
Unit 6	9.08	198.14	415	319	400
Unit 7	9.07	204.06	415	348	400
Total	35.15	779.10			1540
Paras					
Unit 3	5.02	112.44	244	192	200
Unit 4	4.77	110.05	215	181	200
Total	9.79	222.49			400
Khaparkheda					
Unit 1	3.96	88.17	190	140	180
Unit 2	3.93	87.21	175	155	180
Unit 3	4.86	100.76	210	193	210
Unit 4	4.91	101.73	214	192	210
Unit 5	10.86	190.49	500	400	500
Total	28.52	568.36			1280
Nasik					
Unit 3	4.52	101.20	195	175	190
Unit 4	4.42	72.16	193	170	190
Unit 5	4.40	98.26	191	167	190
Total	13.34	271.62			570
Uran					
All Units	10.74	200.93	498	319	520
Total	10.74	200.93			520
PENCH (MS)					
Pench (MS)	0.02	2.22	10	0	
Total	0.02	2.22			
Koyna					
Stage 1-2	2.16	59.46	360	40	530
Stage 4	1.43	32.75	280	0	250
Stage 3	1.20	20.19	160	0	240
Kovna 12&4 Total	3.59	92.21			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.79	112.40			1020
Hydro					
KDPH	0.44	12.54	19	18	19
VTRNA	0.00	15.83	0	0	0
TILLARI	0.37	8.09	63	0	63
BHTGR/VEER	0.00	0.51	0	0	
BHIRA T.R.	0.17	4.43	80	0	80
RNGR+BHTSA	0.35	6.81	15	14	15
BHANDARDRA	0.00	5.54	0	0	
ELDARY	0.32	5.79	14	12	
SMLHY PTN	1.01	22.97	43	42	13
GHATGHAR	1.02	25.47	125	0	
Total	3.68	107.97			190
Wind					
MalharPeth	0.12	3.98			
Vankuswadi	0.26	8.45			
ATIT	0.02	0.85			
Kale	0.07	3.00			
Satara	2.55	76.84			
Shirala	0.13	4.70			
K Mahankal	0.02	7.34			
Supa	0.05	1.96			
Vita	0.65	17.74			
Dondaicha	0.56	19.52			
Sakri	0.03	2.23			
Nandurbar	0.25	6.98			
Khandke	0.19	6.89			
Khaparale	0.10	4.44			
Total	5.00	164.93			
CPP					
JSW JAIGAD	19.44	492.85	935	698	855
WARDHA	2.76	61.55	117	113	110
Adani	41.94	1133.41	1830	1450	1851
Other CPPs	24.23	517.49			745
Total	88.38	2205.30			3561
SOLAR					
Total	1.16	22.33			
Total	1.16	22.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.55	222.18	481	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.55	117.62	251	199	250
TATA Hydro	4.73	82.82	459	0	447
Total	19.83	462.52			1197
REL					
1&2	10.48	198.23	525	194	500
Total	10.48	198.23			500
Cent Sect					
Share					5447
Total					5447
MS PG CL	Thermal	128.89	2794.46		5535
	Thml+Gas	139.64	2995.39		6055
	Hydro	8.48	220.37		1210
	Total	148.11	3215.76		7265
State Total		272.98	6271.28		17970

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Dec/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	5101	129	493	5723	555	3276	0	2467	2568	-616	-638	11484	89	11573	1541	13114	49.96
2	5044	128	494	5666	479	3199	0	2262	2425	-497	-501	11268	59	11327	1404	12731	49.97
3	5024	134	495	5653	412	3261	0	2007	2234	-452	-430	11130	59	11189	1334	12523	50.02
4	5034	127	496	5657	381	3349	0	1985	2468	-428	-379	11476	59	11535	1298	12833	49.97
5	5057	129	497	5683	310	3396	0	2188	2532	-428	-355	11566	61	11627	1309	12936	49.95
6	5141	134	498	5773	314	3539	0	3488	3414	-507	-479	12561	67	12628	1414	14042	49.99
7	5449	139	497	6085	307	3674	1	4705	4390	-599	-616	13841	75	13916	1580	15496	49.90
8	5594	525	497	6616	278	3779	10	4750	4753	-585	-450	14986	75	15061	1760	16821	49.83
9	5601	697	488	6786	171	3884	67	4945	5194	-689	-527	15575	70	15645	2037	17682	49.80
10	5564	939	482	6985	115	3918	103	5045	5138	-761	-683	15576	62	15638	2332	17970	49.78
11	5581	845	465	6891	80	4022	149	5412	5490	-946	-823	15809	63	15872	2536	18408	49.84
12	5641	851	458	6950	31	3951	178	5496	5453	-977	-893	15670	67	15737	2562	18299	49.88
13	5817	816	457	7090	21	3880	169	5083	5106	-943	-893	15373	132	15505	2516	18021	49.96
14	5792	617	450	6859	29	3814	167	5029	5200	-868	-815	15254	72	15326	2379	17705	49.98
15	5809	358	450	6617	42	3858	145	5179	5061	-854	-750	14973	68	15041	2383	17424	49.93
16	5694	339	455	6488	20	3828	110	5272	5418	-847	-704	15160	60	15220	2404	17624	49.88
17	5623	333	455	6411	43	3837	56	4998	5174	-835	-813	14708	61	14769	2422	17191	49.85
18	5548	173	463	6184	89	3851	7	4510	4399	-752	-1083	13447	62	13509	2431	15940	49.94
19	5231	261	470	5962	109	3654	0	4806	5089	-873	-1006	13818	65	13883	2514	16397	49.88
20	5170	212	377	5759	178	3766	0	4720	4811	-763	-1016	13506	68	13574	2472	16046	49.95
21	5089	197	328	5614	214	3707	0	4352	4295	-670	-1112	12718	65	12783	2293	15076	50.00
22	5105	129	329	5563	237	3638	0	3495	3674	-836	-1240	11872	64	11936	2108	14044	50.00
23	5130	134	332	5596	276	3651	0	2854	2999	-818	-1165	11357	64	11421	1920	13341	49.98
24	5052	129	319	5500	312	3645	0	2504	2757	-775	-968	11246	64	11310	1701	13011	50.00
MUs	128.89	8.48	10.75	148.11	5.00	88.38	1.16	97.55	100.04	-17.32	-18.34	324.37	1.65	326.02	48.65	374.68	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 23/Dec/2014

Position as on 6.30 Hrs of 24/Dec/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Bhusawal Unit 3	210	19/12/2014	15.39		Continued.	Boiler Tube Leakage	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
CPP Adani U-5	660	22/12/2014	18.11		Continued.	Superheater Spray Line Drain Valve Leakage.	
Uran Unit 5	108	23/12/2014	19.17		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 23/Dec/2014

Position as on 6.30 Hrs of 24/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
REL 2	250	23/12/2014	21.20		Continued.	BTL.	
Paras Unit 4	250	24/12/2014	01.27		Continued.	Y Ph PT Burst At Paras.	

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

Position as on 6.30 Hrs of 24/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	23/12/2014	11.19		Continued.	Shifted from A Bus To B Bus.
Akola - Aurangabad- II	23/12/2014	11.54	23/12/2014	20.04	To Take Line Reactor In Service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	22/12/2014	16.53	23/12/2014	08.41	Over Voltage.
Dhule-Sar'Sarovar - I	22/12/2014	20.41		Continued.	Over Voltage.
Kolhapur - Mapusa - I	23/12/2014	17.42		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	23/12/2014	20.26		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	24/12/2014	00.18		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Koradi -Bhusawal	23/12/2014	09.42	23/12/2014	17.15	To Attend Hot Spot.
Padgha - Nagothane- II	23/12/2014	11.42		Continued.	Shifted from A Bus To B Bus.
Padgha - HVDC AC - II	23/12/2014	12.04		Continued.	Shifted on T.B.C.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Pedambe-Newkoyna	23/12/2014	08.13	23/12/2014	13.25	For Attending Unwound Standsof B Phase.
Karad-Vita-II	23/12/2014	10.03	23/12/2014	18.11	Replacement Of Insulator String.
Bale - Tuljapur	23/12/2014	11.26	23/12/2014	13.40	Replacement and Tighening of Jumper.
Tuljapur - Murud	23/12/2014	13.51	23/12/2014	18.40	Bus Conductor Stringing Work.
Apta-Kalwa	23/12/2014	13.51	23/12/2014	18.36	Breaker work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	22/12/2014	16.40	23/12/2014	09.26	Over Voltage.
Karad-Jaigad I	22/12/2014	17.42	23/12/2014	09.29	Over Voltage.
Bhusawal- Aurangabad	22/12/2014	19.59	23/12/2014	11.13	Over Voltage.
Lonikand- Koyna Stage IV	22/12/2014	21.00	23/12/2014	08.07	Over Voltage.
Karad - Kolhapur - I	23/12/2014	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/12/2014	20.05		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/12/2014	21.21		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	21/12/2014	01.39	23/12/2014	19.27	LBB Operated at Koradi-III
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-	21/09/2014	09.16		Continued.	monkey fault

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

Position as on 6.30 Hrs of 24/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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III at Borivali

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	165
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	345
Unit 5	500	355
	1420	700
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	154
Unit 6	250	225
Unit 7	250	205
	1130	584
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	0
	500	200
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	335
	852	335
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	188
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	855
WARDHA	405	110
Adani	2640	1856
Other CPPs	300	745
	4545	3566
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5350
	3455	5350

	21940	8 of 8 17110
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