



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Feb/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.821	1944.833	1) Gujrat	-4.062	12.178
2) Hydro	12.211	141.418	2) Madhya Pradesh	13.735	225.720
3) Gas	10.915	135.500	3) Chattisgarh	5.920	97.120
Total MSGENCO	149.947	2221.751	4) Maharashtra Net	100.842	1617.873
B) 1) JSW JAIGAD	13.058	222.599	(Incl. 765kV Solapur-Raichur)	-6.174	-151.087
2) WPCL	2.867	44.335	5) Goa	-6.456	-100.701
3) ADANI	41.160	683.650	6) TAPS 1&2 Injection	0.000	53.962
4) Other CPP / IPP	29.237	412.219	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.451	93.403	8) Pench (Excess)	-0.578	-8.417
6) PENCH (MS)	0.578	8.417	# Total Cent. Sector	109.401	1897.735
7) SOLAR	1.184	17.514	F) Other Exchanges		
C) 1) TPCL Thermal	13.612	156.051	1) With TPCL (Excess)	-20.090	-411.008
2) TPCL Hydro	6.074	78.143	G) Bilateral Power *		
TOTAL TPCL	19.686	234.194	1) MSEDCL Bilateral	27.073	458.065
3) REL Thermal	11.273	122.568	Include PX	3.678	55.266
D) STATE			2) MUMBAI Bilateral	19.581	346.342
1) Thermal (A1+C1+C3)	151.706	2223.452	Include PX	1.350	62.956
2) Hydro (A2+B6+C2)	18.863	227.978	3) MUMBAI Schedule	19.581	349.033
3) Gas (A3)	10.915	135.500	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.451	93.403	1) MSEDCL	331.793	5190.615
5) CPP/IPP (B1+B2+B3+B4)	86.322	1362.803	2) TPCL	31.647	475.394
6) SOLAR (B7)	1.184	17.514	3) REL	19.400	292.366
TOTAL STATE	273.441	4060.650	TOTAL STATE	382.840	5958.375

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5491	5459	4830
MSGENCO Hydro	1607	907	131
MSGENCO Gas	451	440	456
MSGENCO Total Generation	7549	6806	5417
Central Sector Receipt	5393	5539	3472
WIND	63	66	317
CPP / IPP	3734	3742	3310
SOLAR	171	124	0
Exchange with Mumbai	-1081	-892	-427
MSEDCL DEMAND MET	15853	15411	12113
Load Shedding	844	548	74
MSEDCL DEMAND	16697	15959	12187
TPCL GENERATION	1090	1152	551
R-INFRA GENERATION	516	517	388
TPCL+R-INFRA DEMAND	2687	2561	1366
STATE DEMAND MET	18540	17972	13479
STATE DEMAND	19384	18520	13553
Frequency (Hz)	49.96	49.88	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 05.00 Hrs	49.64 Hz at 16.41 Hrs	49.92	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 16/Feb/2015

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	4.11	63.26	180	160	155
Unit 7	3.96	60.74	180	155	165
Total	8.07	124.00			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	10.54	158.74	510	360	470
Unit 5	0.00	36.44	0	0	0
Total	10.54	195.18			470
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.66	59.14	163	126	155
Unit 5	3.62	57.43	166	143	150
Unit 6	4.86	76.99	250	187	188
Unit 7	4.84	76.51	245	184	188
Total	16.97	270.07			681
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	39.63	0	0	0
Unit 3	4.59	57.72	212	163	210
Unit 4	4.50	55.86	196	179	200
Unit 5	10.12	158.99	455	361	450
Unit 6	9.83	117.37	440	363	430
Unit 7	10.51	156.25	470	365	450
Total	39.55	585.82			1740
Paras					
Unit 3	4.87	78.84	222	192	220
Unit 4	4.94	61.91	230	187	220
Total	9.81	140.75			440
Khaparkheda					
Unit 1	4.28	66.60	200	150	205
Unit 2	3.98	60.38	175	150	180
Unit 3	4.70	72.59	213	172	210
Unit 4	4.54	64.51	205	170	210
Unit 5	11.12	177.43	500	410	500
Total	28.62	441.50			1305
Nasik					
Unit 3	4.42	56.62	200	170	182
Unit 4	4.44	61.82	195	174	182
Unit 5	4.41	69.07	193	174	182
Total	13.27	187.50			546
Uran					
All Units	10.92	135.50	486	386	325
Total	10.92	135.50			325
PENCH (MS)					
Pench (MS)	0.58	8.42	26	13	
Total	0.58	8.42			
Koyna					
Stage 1-2	2.64	44.85	540	40	600
Stage 4	4.37	22.27	840	0	250
Stage 3	1.30	14.77	240	0	320
Kovna 12&4 Total	7.01	67.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.31	81.89			1170
Hydro					
KDPH	0.44	8.02	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.25	2.52	63	0	63
BHTGR/VEER	0.00	0.54	0	0	0
BHIRA T.R.	0.20	4.28	80	0	40
RNGR+BHTSA	0.33	5.44	14	13	14
BHANDARDRA	0.47	1.52	20	19	40
ELDARY	0.00	3.20	0	0	0
SMLHY PTN	0.99	15.92	42	41	13
GHATGHAR	1.22	18.08	125	0	0
Total	3.90	59.53			189
Wind					
MalharPeth	0.10	2.03			
Vankuswadi	0.13	3.61			
ATIT	0.01	0.34			
Kale	0.07	1.42			
Satara	1.88	40.31			
Shirala	0.13	2.36			
K Mahankal	0.01	0.32			
Supa	0.04	1.24			
Vita	0.79	13.69			
Dondaicha	0.92	15.28			
Sakri	0.13	2.21			
Nandurbar	0.15	4.66			
Khandke	0.04	3.88			
Khaparale	0.06	2.04			
Total	4.45	93.40			
CPP					
JSW JAIGAD	13.06	222.60	608	468	520
WARDHA	2.87	44.34	122	112	120
Adani	41.16	683.65	1890	1700	1900
Other CPPs	29.24	412.22			745
Total	86.32	1362.80			3285
SOLAR					
Total	1.18	17.51			
Total	1.18	17.51			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	4.44	9.99	316	0	200
Trombay 6	3.62	57.69	151	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.56	88.37	250	200	250
TATA Hydro	6.07	78.14	471	0	447
Total	19.69	234.19			1397
REL					
1&2	11.27	122.57	520	385	500
Total	11.27	122.57			500
Cent Sect					
Share					5558
Total					5558
MS PG CL	Thermal	126.82	1944.83		5502
	Thml+Gas	137.74	2080.33		5827
	Hydro	12.21	141.42		1359
	Total	149.95	2221.75		7186
State Total	273.44	4060.65			17926

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Feb/2015

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	4856	141	386	5383	245	3347	0	4236	4092	-612	-661	12429	90	12519	1611	14130	49.98
2	4841	131	426	5398	222	3307	0	4140	3896	-569	-539	12307	70	12377	1480	13857	49.97
3	4829	131	456	5416	304	3318	0	4042	3576	-590	-472	12165	74	12239	1411	13650	49.99
4	4830	131	456	5417	317	3310	0	4069	3472	-628	-427	12113	74	12187	1366	13553	50.02
5	4848	137	477	5462	250	3383	0	4120	3952	-547	-453	12618	78	12696	1389	14085	49.98
6	4992	132	479	5603	274	3541	0	4482	4223	-629	-549	13116	132	13248	1500	14748	49.97
7	5248	142	486	5876	283	3629	7	4696	4771	-630	-514	14076	425	14501	1710	16211	49.90
8	5386	233	480	6099	274	3586	11	5003	4993	-643	-545	14442	971	15413	1870	17283	49.85
9	5505	362	472	6339	175	3716	58	5114	5072	-787	-538	14846	995	15841	2118	17959	49.77
10	5458	1389	467	7314	151	3773	115	5157	5088	-905	-853	15612	708	16320	2432	18752	49.86
11	5405	1706	455	7566	112	3780	127	5332	5079	-1095	-1092	15596	691	16287	2655	18942	49.89
12	5491	1607	451	7549	63	3734	171	5356	5393	-1124	-1081	15853	844	16697	2687	19384	49.96
13	5652	1097	445	7194	39	3783	150	5176	4993	-1101	-1039	15143	1006	16149	2681	18830	49.92
14	5698	850	447	6995	45	3707	167	5058	4925	-1010	-964	14899	869	15768	2570	18338	49.98
15	5652	830	440	6922	66	3718	144	5258	5239	-1009	-945	15170	653	15823	2561	18384	49.94
16	5459	907	440	6806	66	3742	124	5260	5539	-1003	-892	15411	548	15959	2561	18520	49.88
17	5502	701	444	6647	144	3725	71	5064	4753	-994	-929	14436	545	14981	2564	17545	49.81
18	5556	259	446	6261	172	3697	34	4523	4163	-975	-1070	13283	289	13572	2487	16059	49.91
19	5405	341	446	6192	194	3615	5	4433	4125	-916	-1159	12998	142	13140	2454	15594	49.85
20	5462	373	454	6289	267	3669	0	4730	4527	-915	-1151	13614	138	13752	2519	16271	49.94
21	5485	196	462	6143	274	3618	0	4641	4413	-832	-1148	13326	121	13447	2364	15811	49.98
22	5195	135	464	5794	243	3572	0	4380	4511	-717	-1158	12988	104	13092	2204	15296	49.99
23	5096	145	466	5707	135	3555	0	4491	4336	-675	-1049	12710	100	12810	2024	14834	49.85
24	4970	135	470	5575	136	3497	0	4489	4270	-672	-862	12642	87	12729	1831	14560	49.94
MUs	126.82	12.21	10.92	149.95	4.45	86.32	1.18	113.25	109.40	-19.58	-20.09	331.79	9.75	341.55	51.05	392.60	49.92

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 16/Feb/2015

Position as on 6.30 Hrs of 17/Feb/2015

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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Bhusawal Unit 3	210	20/01/2015	08.02		Continued.	Annual Overhaul	10/02/2015
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	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Rotor Fault.	25/02/2015
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Rotor Fault.	25/02/2015
CPP WPCL U-4	135	25/01/2015	22.27		Continued.	ID Fan problem	
Uran Unit 8	108	26/01/2015	12.22		Continued.	Gas Shortage	
CPP IPL U-1	270	27/01/2015	21.55		Continued.	Coal Shortage	
CPP JSW (J) U1	300	03/02/2015	14:20		Continued.	P.A Fan Problem.	
CPP JSW (J) U3	300	03/02/2015	21.27		Continued.	Due to Unavailability of Load..	
CPP Adani U-3	660	06/02/2015	11.42		Continued.	GT Bushing Repl work.	
Bhusawal Unit 5	500	07/02/2015	13:57	17/02/2015	05.09	Clinker Formation.	
Hydro GhatgharU2	125	08/02/2015	10.00		Continued.	Coller Oil Leakage.	
Uran Unit B0	120	11/02/2015	23.27		Continued.	Gas Shortage.	
Chandrapur Unit 2	210	14/02/2015	04.14		Continued.	Instrument air pressure low.	
Cent_Sect Tarapur 2	160	15/02/2015	11.07		Continued.	Reactor R.V.Problem.	
Tata Trombay 5	500	16/02/2015	17.35	16/02/2015	21.43	master protection operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2015

Position as on 6.30 Hrs of 17/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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	15/02/2015	16.38	16/02/2015	09.24	Over Voltage.
Dhule-Sar'Sarovar - I	15/02/2015	17.18	16/02/2015	09.17	Over Voltage.
Kolhapur - Mapusa - I	16/02/2015	16.45		Continued.	over voltage
Dhule-Sar'Sarovar - II	16/02/2015	18.10		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	15/02/2015	22.34		Continued.	To control Bus Section loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	13/02/2015	18.02		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765KV Koradi III-Akola II Ckt.I	13/02/2015	09.49		Continued.	706 main bay line charged to Th,TBC.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,315 MVA ICT-I at New Koyna.	16/02/2015	09.14		Continued.	Replacement work
400/220 KV 500 MVA ICT - I @ Warora	16/02/2015	18.56		Continued.	Attending oil leakage
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
TBC at Bhoisor	14/02/2015	09.30		Continued.	CT Repl.work.
Pawas - Newali	16/02/2015	09.40	16/02/2015	17.00	R & M WORK
Main Bus-I at Pawas	16/02/2015	09.40	16/02/2015	16.20	R & M work
Aarey - Goregaon	16/02/2015	09.46	16/02/2015	10.49	maintance work
Apta-Uran-IV	16/02/2015	09.57	16/02/2015	16.04	Painting work
Talndage-Tilawani	16/02/2015	10.38	16/02/2015	16.52	R & M Work
Gorai - Borivali - II	16/02/2015	11.10	16/02/2015	18.44	maintance work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Aurangabad - Taptithanda	27/01/2015	18.20		Continued.	B Ph Jumper Open @ Loc.No.-169.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Dabhol - New Koyna - I	08/02/2015	18.18		Continued.	over voltage
Bableshtar-Taptitanda I	12/02/2015	18.49		Continued.	Over Voltage.
Karad - Kolhapur - II	15/02/2015	16.08	16/02/2015	07.21	Over Voltage.
Bhusawal- Aurangabad	15/02/2015	17.18	16/02/2015	07.17	Over Voltage.
Karad-Jaigad I	15/02/2015	18.04	16/02/2015	07.29	Over Voltage.
Lonikand- Koyna Stage IV	16/02/2015	00.31	16/02/2015	07.00	Over Voltage.
Karad - Kolhapur - II	16/02/2015	16.36		Continued.	over voltage
Karad-Jaigad II	16/02/2015	17.08		Continued.	over voltage
Bhusawal- Aurangabad	16/02/2015	20.40		Continued.	over voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2015

Position as on 6.30 Hrs of 17/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	17/02/2015	03.07	17/02/2015	06.46	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Bhenda	16/02/2015	08.38	16/02/2015	17.07	over voltage
Babaleshwar - Alephata	17/02/2015	06.30		Continued.	ICT over loading
Voltage Level : 400KV			Outage Type TRIPPED		
400 KV GT - 5 Main Bay (410) at Deep-Nagar	06/02/2015	12:23		Continued.	Tripped on PDR while Synchronizing.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Voltage Level : 132KV			Outage Type TRIPPED		
Chinchwad-Chakan	16/02/2015	16.45	16/02/2015	16.49	distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Feb/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	160
	620	325
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	343
Unit 5	500	0
	1420	343
Parli		
Unit 3	210	0
Unit 4	210	154
Unit 5	210	148
Unit 6	250	190
Unit 7	250	190
	1130	682
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	430
Unit 7	500	450
	2340	1740
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	205
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1305
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
Uran		
All Units	852	480
	852	480
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	196
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	520
WARDHA	405	120
Adani	2640	1900
Other CPPs	300	745
	4545	3285
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5097
	3455	5097