



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Jun/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.835	580.038	1) Gujrat	2.122	13.703
2) Hydro	5.109	28.426	2) Madhya Pradesh	18.321	95.270
3) Gas	10.358	62.907	3) Chattisgarh	10.290	49.690
Total MSGENCO	134.302	671.371	4) Maharashtra Net	91.596	501.935
B) 1) JSW JAIGAD	20.997	95.110	(Incl. 765kV Solapur-Raichur)	1.458	5.897
2) WPCL	0.000	7.169	5) Goa	-7.116	-33.434
3) ADANI	41.558	162.925	6) TAPS 1&2 Injection	7.347	36.821
4) Other CPP / IPP	12.901	70.977	7) RGPPL Injection	0.000	0.000
5) Wind Generation	19.823	89.095	8) Pench (Excess)	-0.079	-1.581
6) PENCH (MS)	0.079	1.581	# Total Cent. Sector	122.481	662.404
7) SOLAR	1.151	5.341	F) Other Exchanges		
C) 1) TPCL Thermal	19.389	99.323	1) With TPCL (Excess)	-30.459	-135.414
2) TPCL Hydro	4.910	21.573	G) Bilateral Power *		
TOTAL TPCL	24.299	120.896	1) MSEDCL Bilateral	32.301	144.605
3) REL Thermal	11.844	61.666	Include PX	11.720	51.734
D) STATE			2) MUMBAI Bilateral	22.473	118.895
1) Thermal (A1+C1+C3)	150.068	741.027	Include PX	4.980	31.928
2) Hydro (A2+B6+C2)	10.098	51.580	3) MUMBAI Schedule	22.473	121.683
3) Gas (A3)	10.358	62.907	H) ENERGY CATERED (MUs)		
4) Wind (B5)	19.823	89.095	1) MSEDCL	322.833	1630.559
5) CPP/IPP (B1+B2+B3+B4)	75.456	336.181	2) TPCL	42.232	200.912
6) SOLAR (B7)	1.151	5.341	3) REL	24.370	117.062
TOTAL STATE	266.954	1286.131	TOTAL STATE	389.435	1948.533

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5174	5502	4779
MSGENCO Hydro	333	389	125
MSGENCO Gas	427	427	437
MSGENCO Total Generation	5934	6318	5341
Central Sector Receipt	5666	5593	4527
WIND	560	731	930
CPP / IPP	3371	3262	2966
SOLAR	170	125	0
Exchange with Mumbai	-1348	-1351	-1068
MSEDCL DEMAND MET	14353	14678	12696
Load Shedding	457	715	96
MSEDCL DEMAND	14810	15393	12792
TPCL GENERATION	1383	1384	655
R-INFRA GENERATION	520	517	429
TPCL+R-INFRA DEMAND	3251	3252	2152
STATE DEMAND MET	17604	17930	14848
STATE DEMAND	18061	18645	14944
Frequency (Hz)	49.83	49.72	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 17:55 Hrs	49.5 Hz at 12:10 Hrs	49.9	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 05/Jun/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	3.64	18.45	165	145	150
Unit 7	3.89	20.20	176	145	155
Total	7.53	38.65			305
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.13	15.43	155	105	150
Unit 4	8.07	43.64	500	300	310
Unit 5	7.86	40.06	400	295	320
Total	19.06	103.52			780
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.64	14.83	158	143	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.53	22.46	250	174	160
Unit 7	4.46	22.36	250	173	157
Total	12.62	59.65			467
Chandrapur					
Unit 1	3.25	16.36	138	129	150
Unit 2	3.60	7.70	160	141	150
Unit 3	0.00	14.81	0	0	0
Unit 4	4.51	21.71	200	166	200
Unit 5	10.07	48.54	450	370	400
Unit 6	7.66	41.48	375	290	350
Unit 7	7.30	32.52	385	255	350
Total	36.39	183.11			1600
Paras					
Unit 3	4.62	7.12	204	175	250
Unit 4	5.39	26.54	250	194	250
Total	10.00	33.66			500
Khaparkheda					
Unit 1	0.50	14.12	125	0	0
Unit 2	3.65	17.17	185	140	140
Unit 3	3.82	20.18	213	144	140
Unit 4	3.40	3.75	188	62	140
Unit 5	8.56	44.39	470	320	350
Total	19.92	99.61			770
Nasik					
Unit 3	4.34	21.88	190	175	190
Unit 4	4.50	22.97	194	177	200
Unit 5	4.45	16.99	193	173	190
Total	13.29	61.83			580
Uran					
All Units	10.36	62.91	450	420	450
Total	10.36	62.91			450
PENCH (MS)					
Pench (MS)	0.08	1.58	26	0	0
Total	0.08	1.58			0
Koyna					
Stage 1-2	1.08	8.30	55	40	600
Stage 4	0.45	2.88	202	0	250
Stage 3	0.21	2.54	80	0	320
Kovna 12&4 Total	1.53	11.17			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.75	13.71			1170
Hydro					
KDPH	0.00	0.32	0	0	18
VTRNA	1.07	5.40	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.25	1.08	40	0	40
RNGR+BHTSA	0.26	1.31	11	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.28	1.81	19	9	10
GHATGHAR	1.49	4.66	250	0	0
Total	3.36	14.71			139
Wind					
MalharPeth	0.33	1.70			
Vankuswadi	0.29	2.03			
ATIT	0.07	0.44			
Kale	0.27	1.21			
Satara	5.25	28.06			
Shirala	0.37	1.87			
K Mahankal	0.06	0.24			
Supa	0.14	0.88			
Vita	1.33	6.12			
Dondaicha	8.21	32.15			
Sakri	1.10	4.35			
Nandurbar	0.87	3.09			
Khandke	0.57	2.76			
Khaparale	0.95	4.19			
Total	19.82	89.10			
CPP					
JSW JAIGAD	21.00	95.11	912	813	825
WARDHA	0.00	7.17	0	0	0
Adani	41.56	162.92	1924	1515	1810
Other CPPs	12.90	70.98			523
Total	75.46	336.18			3158
SOLAR					
Total	1.15	5.34			
Total	1.15	5.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.70	58.06	502	317	500
Trombay 6	4.25	20.08	257	155	500
Trombay 7A	2.83	13.40	122	114	120
Trombay 7B	1.61	7.78	68	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.91	21.57	444	0	447
Total	24.30	120.90			1627
REL					
1&2	11.84	61.67	521	427	500
Total	11.84	61.67			500
Cent Sect					
Share					6137
Total					6137
MS PG CL	Thermal	118.84	580.04		5002
	Thml+Gas	129.19	642.94		5452
	Hydro	5.11	28.43		1309
	Total	134.30	671.37		6761
State Total		266.95	1286.13		18183

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Jun/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	4971	119	450	5540	599	3067	0	5530	5236	-1046	-1277	13191	100	13291	2662	15953	49.91
2	4934	126	450	5510	777	3066	0	5247	5096	-945	-1196	13279	63	13342	2459	15801	50.00
3	4901	120	450	5471	742	2969	0	4999	5008	-826	-1203	13013	63	13076	2302	15378	49.96
4	4898	131	433	5462	917	3122	0	4805	4755	-727	-1110	13147	63	13210	2196	15406	49.99
5	4779	125	437	5341	930	2966	0	4733	4527	-654	-1068	12696	96	12792	2152	14944	49.94
6	4799	131	430	5360	927	2951	0	4890	4800	-634	-1065	12973	157	13130	2147	15277	49.96
7	4861	121	432	5414	811	2947	6	4731	4776	-818	-1038	12916	214	13130	2123	15253	50.02
8	4926	136	432	5494	729	2951	31	4671	4976	-637	-1134	13047	219	13266	2220	15486	50.00
9	4866	126	430	5422	623	2930	70	5082	5230	-801	-1155	13120	300	13420	2511	15931	49.94
10	4926	144	428	5498	527	3183	108	5693	5333	-1074	-1351	13298	418	13716	2896	16612	49.89
11	4855	120	425	5400	533	3201	137	6002	5328	-1153	-1383	13216	424	13640	3148	16788	49.85
12	4978	274	420	5672	546	3005	148	5688	5694	-1024	-1378	13687	265	13952	3239	17191	49.89
13	5174	333	427	5934	560	3371	170	5375	5666	-957	-1348	14353	457	14810	3251	18061	49.83
14	5552	450	427	6429	456	3236	145	5380	5265	-1080	-1305	14226	658	14884	3201	18085	49.87
15	5502	389	427	6318	731	3262	125	5636	5593	-989	-1351	14678	715	15393	3252	18645	49.72
16	5049	415	423	5887	741	3247	114	5647	5852	-993	-1355	14486	610	15096	3254	18350	49.71
17	4841	316	425	5582	874	3298	66	5392	5684	-1083	-1377	14127	509	14636	3239	17875	49.76
18	4844	217	429	5490	1080	3216	27	4678	4921	-1066	-1390	13344	628	13972	3123	17095	49.97
19	4829	125	430	5384	1260	3268	4	4267	3812	-953	-1347	12381	583	12964	2973	15937	50.03
20	4882	129	427	5438	1162	3248	0	4792	4687	-998	-1352	13183	686	13869	2952	16821	49.89
21	4891	150	432	5473	1230	3233	0	4981	5135	-1020	-1364	13707	503	14210	2889	17099	49.84
22	4879	360	430	5669	1065	3240	0	4841	4882	-1026	-1321	13535	310	13845	2832	16677	49.92
23	4868	296	433	5597	1006	3181	0	5018	5016	-926	-1249	13551	232	13783	2795	16578	49.82
24	4830	256	431	5517	997	3298	0	5498	5209	-1043	-1342	13679	185	13864	2786	16650	49.89
MUs	118.84	5.11	10.36	134.30	19.82	75.46	1.15	123.58	122.48	-22.47	-30.46	322.83	8.46	331.29	66.60	397.89	49.90

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 05/Jun/2014

Position as on 6.30 Hrs of 06/Jun/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
Koyna Stage 4	1000	04/06/2014	21.25		Continued.	aanual maintance	
Khaparkheda Unit 1	210	05/06/2014	04.59		Continued.	C.O.H.	
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	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	01/06/2014	1.50		Continued.	BTL	
CPP IPL U-2	270	01/06/2014	10.42		Continued.	BLR T/L.	
CPP JSW (J) U3	300	01/06/2014	2.47		Continued.	Heater prv.broken	
Bhusawal Unit 2	210	02/06/2014	09.02		Continued.	Air Heater Problem.	
CPP WPCL U-3	135	04/06/2014	00.12		Continued.	Coal Shortage.	
Chandrapur Unit 3	210	04/06/2014	21.11		Continued.	BLR T/L.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jun/2014

Position as on 6.30 Hrs of 06/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	04/06/2014	17.25	05/06/2014	09.40	Over Voltage.
Dhule-Sar'Sarovar - I	05/06/2014	03.48	05/06/2014	07.29	Over Voltage.
Kolhapur - Mapusa - I	05/06/2014	17.16		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765 KV Solapur- Raichur	05/06/2014	19.10	05/06/2014	20.01	Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon(PG) - Parli (PG) - I	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Talegaon (PG - Parli (PG) - II	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV315 MVA ICT-I @ BBLR	01/06/2014	21.33	05/06/2014	20.18	Taken on TBC,For Iso.alignment.
400/220 KV 500 MVA ICT-I @ Deepnagar	04/06/2014	15.15	05/06/2014	22.00	Retrofitting of NDR.
400/220 KV 315 MVA ICT @ Akola	05/06/2014	09.11	05/06/2014	10.43	Q.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon - Malegaon	30/05/2014	06.20		Continued.	Bus outage at Malegaon.
Parli Extn. - Parli -1 @ Parli	30/05/2014	08.09		Continued.	Repl.of Bolted type Jumper CT& WT
Parly - Harangool - II	30/05/2014	17.55		Continued.	Hot Spot
Mudsinghi - Mumewadi - I	04/06/2014	08.06	05/06/2014	02.22	Retrofitting of Dist Prot & Back up Prot.Relay.
220/33 KV 100 MVA T/F - I at Aarey	05/06/2014	07.11	05/06/2014	08.48	P.M.Work.
Apta-Uran-IV	05/06/2014	08.33	05/06/2014	18.33	Repl of cut point & Sub disc insu.
220/132KV 200MVA ICT-II at Dhule	05/06/2014	09.25	05/06/2014	11.48	P.M.Work
Chandrapur - Warora	05/06/2014	10.33	05/06/2014	13.29	Hot spot on wave trap.
Baramati-Kalyani	05/06/2014	14.20	05/06/2014	15.30	To reconect jumper of line isolator.
Trombay(T)- Trombay(M)Tie-II	06/06/2014	00.11	06/06/2014	03.29	220KV BS,4 & 6 side isolator of bus section CB.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	04/06/2014	16.09	05/06/2014	08.44	Over Voltage.
Bhusawal- Aurangabad	04/06/2014	17.05	05/06/2014	08.57	Over Voltage.
Bhusawal- Aurangabad	05/06/2014	17.40		Continued.	Over Voltage.
Karad - Kolhapur - I	05/06/2014	17.42		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Usmanabad --Bale	02/06/2014	05.24		Continued.	To control L/L.
220/110KV,200 MVA ICT-I at Mudshingi	04/06/2014	22.50	05/06/2014	10.50	Sparking at earthing pit.
Lonikand-Ranjangaon	05/06/2014	10.13		Continued.	To control loading on Parli-Loni II.
Wardha-Badnera	05/06/2014	17.13	05/06/2014	17.34	To control O/D.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jun/2014

Position as on 6.30 Hrs of 06/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/06/2014	16.00		Continued.	Over Voltage.
Lonikand 2-Parli-I	04/06/2014	18.04		Continued.	Dist Prot.one tower collapsed and one more tower X.Arm bent.
Karad-Jaigad I	05/06/2014	03.36		Continued.	Over Voltage.(RFC 20.11 Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Parli-Usmanabad	05/06/2014	16.50	05/06/2014	17.53	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Dhule	04/06/2014	17.17	05/06/2014	02.16	Dist Prot.
Telgaon - Majalgaon	05/06/2014	01.52	05/06/2014	02.18	IDMT Relay Optd.
Mazalgaon-Mahesh Sugar Ind.	05/06/2014	01.52	05/06/2014	02.55	O/C,E/F, back up relay optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	135
	620	265
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	360
Unit 5	500	320
	1420	820
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	175
	1130	505
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	180
Unit 5	500	450
Unit 6	500	350
Unit 7	500	375
	2340	1655
Paras		
Unit 3	250	230
Unit 4	250	250
	500	480
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	139
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	850
WARDHA	405	
Adani	2640	1823
Other CPPs	300	510
	4545	3183
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5450
	3455	5450