



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.351	1622.417	1) Madhya Pradesh	53.223	851.101
2) Hydro	3.607	62.244	2) Gujrat	19.156	252.176
3) Gas	15.513	227.959	3) Goa	-6.025	-88.131
Total MSGENCO	131.471	1912.620	4) TAPS 1&2 (Inj.)	4.004	59.262
B) OTHERS			5) Pench (Excess)	-0.207	-5.462
1) RGPPL Gas	35.678	536.901	# Total Cent. Sector	70.151	1068.946
2) Wind Generation	2.090	78.115	F) Other Exchanges		
3) CPP / IPP	9.038	122.869	1) With TPCL (Excess)	-11.538	-154.775
4) PENCH (MS)	0.207	5.462	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.634	86.123
1) TPCL Thermal	26.418	388.542	Include PX	0.000	0.000
2) TPCL Hydro	3.215	46.693	2) MUMBAI Bilateral	12.374	169.992
TOTAL TPCL	29.633	435.235	Include PX	4.898	67.130
3) REL Thermal	12.543	175.284	3) MUMBAI Schedule	12.374	169.992
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	151.312	2186.243	1) MSEDCL	237.097	3570.138
2) Hydro (A2+B3+C2)	7.029	114.399	2) TPCL	36.038	509.068
3) Gas (A3+B1)	51.191	764.860	3) REL	17.679	256.211
4) Wind (B2)	2.090	78.115	TOTAL STATE	290.814	4335.417
5) CPP (B3)	9.038	122.869			
TOTAL STATE	220.660	3266.486			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4623	5019	4413
MSGENCO Hydro	181	415	102
MSGENCO Gas	647	653	657
MSGENCO Total Generation	5451	6087	5172
Central Sector Receipt	3597	3309	2037
RGPPL	1532	1543	1466
WIND	45	101	132
CPP / IPP	391	381	344
Exchange with Mumbai	-626	-624	-261
MSEDCL DEMAND MET	10413	10797	8890
Load Shedding	1183	3128	0
MSEDCL DEMAND (INCL. LS)	11596	13925	8890
TPCL GENERATION	1622	1617	821
REL GENERATION	524	521	523
TPCL+REL DEMAND	2772	2762	1605
STATE DEMAND MET	13185	13559	10495
STATE DEMAND (INCL. LS)	14368	16687	10495
Frequency (Hz)	49.85	50.08	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3157 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			21.34 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 20.25 Hrs	49.44 Hz at 11.21 Hrs	49.98	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 15/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.56	22.95	76	48	75
Unit 2	1.66	23.29	78	64	65
Unit 3	1.51	17.69	67	57	60
Unit 4	0.00	1.90	0	0	0
Unit 5	3.60	50.50	166	134	140
Unit 6	3.55	51.45	183	132	150
Unit 7	3.34	25.81	155	125	140
	15.22	193.59			630
Bhusawal					
Unit 1	0.20	6.48	38	0	0
Unit 2	3.13	29.38	150	120	130
Unit 3	4.20	59.19	180	155	180
	7.53	95.05			310
Parli					
Unit 1	0.56	6.89	27	22	20
Unit 2	0.52	7.54	23	15	20
Unit 3	0.84	42.43	152	0	0
Unit 4	4.05	56.61	178	149	170
Unit 5	2.81	45.82	132	100	140
Unit 6	3.14	57.19	165	92	100
Unit 7	4.53	61.42	248	108	110
	16.45	277.90			560
Chandrapur					
Unit 1	2.70	51.52	139	75	130
Unit 2	2.55	49.00	137	88	110
Unit 3	3.68	42.21	194	88	170
Unit 4	3.98	57.84	190	135	180
Unit 5	7.12	118.82	330	240	350
Unit 6	7.68	107.04	366	255	400
Unit 7	7.03	121.32	321	227	300
	34.73	547.74			1640
Paras					
Unit 2	0.85	9.09	39	31	35
Unit 3	4.40	37.12	214	148	200
Unit 4	4.41	68.20	218	140	200
	9.66	114.42			435
Khaparkheda					
Unit 1	4.76	68.56	210	175	210
Unit 2	4.23	22.89	203	140	200
Unit 3	4.33	64.27	198	172	195
Unit 4	4.16	60.85	180	161	170
	17.49	216.58			775
Nasik					
Unit 1	2.02	29.76	94	65	85
Unit 2	2.13	19.58	95	66	85
Unit 3	2.84	65.33	205	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	4.27	62.48	195	162	180
	11.27	177.15			350
Koyna					
Stage 1-2	1.16	23.26	90	35	600
Stage 4	0.26	2.67	124	0	250
Stage 3	0.30	6.44	80	0	320
	1.71	32.37			1170
Kovna 12&4 Total	1.42	25.93			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.51	227.96	671	597	640
		15.51	227.96			640
Hydro						
KDPH		0.45	0.45	19	10	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.24	6.12	60	0	60
BHTGR/VEER		0.10	0.62	4	4	0
BHIRA T.R.		0.25	2.93	80	0	80
RNGR+BHTSA		0.34	5.26	14	14	16
BHANDARDRA		0.00	0.03	0	0	0
ELDARY		0.18	0.82	8	7	0
SMLHY PTN		0.35	3.01	23	11	11
GHATGHAR		0.00	10.64	0	0	0
		1.90	29.87			167
PENCH (MS)						
Pench (MS)		0.21	5.46	26	0	
		0.21	5.46			
Wind						
MalharPeth		0.09	2.97			
Vankuswadi		0.32	8.96			
ATIT		0.04	1.38			
Kale		0.05	3.16			
Satara		0.09	9.56			
Shirala		0.12	3.35			
K Mahankal		0.30	4.57			
Supa		0.04	1.72			
Vita		0.35	14.39			
Dondaicha		0.44	13.00			
Sakri		0.04	2.39			
Nandurbar		0.03	1.34			
Khandke		0.14	7.04			
Khaparale		0.06	4.29			
		2.09	78.12			
CPP						
TOTAL CPP		9.04	122.87			
		9.04	122.87			
Dabhol						
RGPPL		35.68	536.90	1543	1423	1560
		35.68	536.90			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.74	162.78	490	325	500
Trombay 6		6.14	79.25	500	150	500
Trombay 7A		2.82	43.11	124	103	120
Trombay 7B		1.58	24.08	68	61	60
Trombay 8		5.13	79.32	251	150	250
TATA Hydro		3.22	46.69	414	0	447
		29.63	435.24			1877
REL						
1&2		12.54	175.28	526	511	500
		12.54	175.28			500
Cent Sect						
Share						3593
						3593
MS PG CL	Thermal	112.35	1622.42			4700
	Thml+Gas	127.86	1850.38			5340
	Hydro	3.61	62.24			1337
	Total	131.47	1912.62			6677
State Total		220.66	3266.49			14207

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum. SCH.	Mum. NET EXCH	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4623	87	662	5372	1462	111	354	2674	2030	-426	-390	8939	0	8939	1845	10784	49.94
2	4520	97	661	5278	1467	108	351	2425	1927	-357	-308	8823	0	8823	1690	10513	50.07
3	4413	102	657	5172	1466	132	344	2244	2037	-288	-261	8890	0	8890	1605	10495	50.05
4	4329	101	662	5092	1467	133	344	2202	2144	-240	-200	8980	0	8980	1547	10527	50.09
5	4392	97	661	5150	1460	127	346	2190	2175	-226	-192	9066	323	9389	1537	10926	49.91
6	4466	146	659	5271	1457	114	394	2456	2322	-240	-214	9344	843	10187	1595	11782	49.82
7	4535	97	661	5293	1459	121	394	2703	2048	-264	-232	9102	1259	10361	1696	12057	49.94
8	4567	91	660	5318	1456	90	393	2751	2444	-310	-282	9442	848	10290	1808	12098	49.89
9	4608	147	666	5421	1452	81	395	2815	2986	-374	-369	9989	874	10863	2070	12933	49.86
10	4591	136	661	5388	1477	65	397	3334	3239	-448	-418	10172	1030	11202	2444	13646	49.86
11	4577	120	651	5348	1534	49	395	3507	3368	-576	-569	10148	1208	11356	2705	14061	49.85
12	4623	181	647	5451	1532	45	391	3605	3597	-671	-626	10413	1183	11596	2772	14368	49.85
13	4678	145	643	5466	1534	27	392	3604	3549	-671	-619	10373	1183	11556	2771	14327	49.95
14	4680	98	632	5410	1534	34	396	3634	3669	-695	-652	10408	1183	11591	2719	14310	50.01
15	4679	144	634	5457	1532	48	393	3578	3756	-695	-681	10505	1327	11832	2734	14566	49.93
16	4666	113	645	5424	1534	59	392	3448	3690	-690	-633	10466	1685	12151	2771	14922	49.99
17	4720	108	644	5472	1535	48	393	3401	3150	-643	-615	9983	2130	12113	2747	14860	50.02
18	4839	183	641	5663	1535	80	390	3443	3438	-637	-619	10487	2076	12563	2660	15223	49.96
19	5019	415	653	6087	1543	101	381	3429	3309	-643	-624	10797	3128	13925	2762	16687	50.08
20	5031	331	671	6033	1516	57	391	3633	3087	-714	-697	10387	2144	12531	2601	15132	50.10
21	5078	279	647	6004	1423	48	344	3610	3569	-690	-637	10754	129	10883	2392	13275	50.00
22	5038	176	597	5811	1436	78	357	3369	3371	-643	-592	10487	129	10616	2244	12860	50.07
23	4955	118	598	5671	1434	173	354	3220	2799	-643	-587	9846	0	9846	2060	11906	50.03
24	4728	95	600	5423	1433	161	357	2961	2449	-588	-521	9302	0	9302	1939	11241	50.23
MUs	112.36	3.61	15.51	131.48	35.68	2.09	9.04	74.24	70.15	-12.37	-11.54	237.10	22.68	259.78	53.71	313.50	49.98

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Nov/2010

Position as on 6.30 Hrs of 16/Nov/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	16/11/2010
Cent_Sect Tarapur 1	80	10/10/2010	21.30		Continued.	Fuel Refulling.	17/11/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/11/2010
Parli Unit 3	210	12/11/2010	22.13	15/11/2010	16:17	ESP Internal Inspection Work.	
Koradi Unit 4	115	13/11/2010	23.02		Continued.	Boiler Tube Leakage.	16/11/2010
Bhusawal Unit 1	58	14/11/2010	10.55	15/11/2010	16:20	Feed Line Problem.	
Nasik Unit 3	210	15/11/2010	02.40	15/11/2010	11:20	Boiler Tripped.	
Chandrapur Unit 3	210	16/11/2010	00:09	16/11/2010	05:48	Furnance Pressure high.	
Koradi Unit 5	200	16/11/2010	03:52		Continued.	Feeder Gear problem.	16/11/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2010

Position as on 6.30 Hrs of 16/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	22/10/2010	14.43		Continued.	Changeover.
Kolhapur - Mapusa - I	11/11/2010	22.30		Continued.	Over Voltage.
Akola - Wardha - I	11/11/2010	23.47		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	13/11/2010	23.05	15/11/2010	06:34	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	15/11/2010	15:20		Continued.	Due to outage on 220 KV Kawas-Navsare I and II.
Nasik - Navsari - II	15/11/2010	15:31		Continued.	Due to outage on 220 KV Kawas-Navsare-I and II.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudsungi-Amona	14/11/2010	14.27		Continued.	Dist.Prot.R Ph - E142.5KM FROM Mudsungi.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	15/10/2010	12.25		Continued.	Attending Red Hot on R-Ph HV side Bushing.
Parli - Chandrapur - III	14/11/2010	10.26		Continued.	Breaker Maintenance, Line on TBC.
400/132 KV 200 MVA ICT - II @ Khadka	15/11/2010	08:22	15/11/2010	14:02	Hot Spot on T/F Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.(Expected on 30.11.2010)
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
Tifil-Trombay	08/10/2010	10.18		Continued.	Erection & Stringing of M/C Towers (Loc.22-40) & Dismantling of Old Towers upto 6.11.2010.
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
Bus coupler @ Bableshwar	11/11/2010	08.15	15/11/2010	15:48	Replacement of Breaker.
SPCL - IPCL	13/11/2010	12.41	15/11/2010	16:06	C B Overhauling Work @ IPCL End.
Wadkhal-IPCL-II	14/11/2010	09.20	15/11/2010	17:46	Overhauling Work.
220/132 KV 200 MVA ICT -IV. at Padegaon.	15/11/2010	10:40	15/11/2010	17:17	LA replacement work.
Jejuri - Baramati	15/11/2010	11:10		Continued.	Line on TBC Breaker overhauling work.
Kolhapur - Karad - II	15/11/2010	12:06	15/11/2010	18:40	Replacement of C.C.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/11/2010	23.50	15/11/2010	06.12	Over Voltage.
Karad - Kolhapur - II	15/11/2010	23:07		Continued.	For Over Voltage.
Bhusawal- Aurangabad	15/11/2010	23:15		Continued.	For Over Voltage.
Karad-Lamboti	16/11/2010	01:12		Continued.	For Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2010

Position as on 6.30 Hrs of 16/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Borivali-Tata Borivali 4	19/10/2010	16.41		Continued.	To control ICT Kalwa loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 500 MVA ICT-II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchholz..
Karad - Kolhapur - I	06/11/2010	00.11	15/11/2010	11:53	Over Voltage.
Karad-Lamboti	14/11/2010	15.50	15/11/2010	13:49	Dist.Prot. Z-I B Ph - Earth.
Karad-New Koyna II	14/11/2010	20.30	15/11/2010	08:16	Dist.Prot.B Ph,Ready for Charging from 02.06 on dt 15.11.10.
Jejuri-Koyna STG-IV	15/11/2010	15:29		Continued.	Dist.Prot.
Lonikand- Koyna Stage IV	15/11/2010	21:36		Continued.	Dist.Prot.
400/220 KV 500 MVA ICT - II @ Jejuri	15/11/2010	21:36		Continued.	Differential Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst. NEW 200 MVA T/F Errection in progress.
Karad-Pedambe	14/11/2010	19.39	15/11/2010	16:50	Dist.Prot. R Ph -E Ckt Tripped Both end.Declared Faulty.
Kalwa - Ghatghar	15/11/2010	16:28	15/11/2010	17:24	Dist.Prot.
Ghatghar-Nasik	15/11/2010	16:28	15/11/2010	17:41	Dist.Prot.
Kalwa-Colourchem	15/11/2010	19:30	15/11/2010	19:41	Dist.Prot.
Temghar-Colourchem	15/11/2010	19:40	15/11/2010	20:10	Dist.Prot.
220/100 KV 125MVA ICT-II @ Borivali	15/11/2010	20:00		Continued.	OLTC Buchholz Trip.
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC-Khapri Cky.	08/11/2010	10.10		Continued.	Dist.Prot.Y Ph.and B Ph.B/D decleared.
Kallamb - Bhoom	13/11/2010	17:50	15/11/2010	16:13	Cut point Tower no.81 collapsed from Bhoom distance 25 K.M. work in progress.
Pusad-Jambazar	15/11/2010	20:43	15/11/2010	20:53	Distance Protection Operated.
Pusad - Digras	15/11/2010	20:43	15/11/2010	20:59	Backup Protection Operated.
Voltage Level : 110KV			Outage Type TRIPPED		
Pedambe-- Ratnagiri	15/11/2010	17:05		Continued.	Dist.Prot. line faulty.
Voltage Level : 100KV			Outage Type TRIPPED		
Chinchwad - Talegaon	15/11/2010	17:29	15/11/2010	17:31	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	70
Unit 4	105	0
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	1040	500
Bhusawal		
Unit 1	58	18
Unit 2	210	134
Unit 3	210	161
	478	313
Parli		
Unit 1	30	19
Unit 2	30	19
Unit 3	210	150
Unit 4	210	170
Unit 5	210	140
Unit 6	250	160
Unit 7	250	180
	1190	838
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	185
Unit 5	500	225
Unit 6	500	225
Unit 7	500	300
	2340	1255
Paras		
Unit 2	55	40
Unit 3	250	200
Unit 4	250	202
	555	442
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	195
Unit 4	210	170
	840	775
Nasik		
Unit 1	120	88
Unit 2	120	87
Unit 3	210	196
Unit 4	210	0
Unit 5	210	167
	870	538
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	188
PENCH (MS)		
Pench (MS)	53	
	53	
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1560
	960	1560
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3655
	3143	3655