



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.432	1517.090	1) Gujrat	8.485	48.941
2) Hydro	20.625	203.646	2) Madhya Pradesh	24.107	355.796
3) Gas	12.208	213.438	3) Chattisgarh	14.820	227.440
Total MSGENCO	137.265	1934.174	4) Maharashtra	59.336	851.966
B) OTHERS			5) Goa	-5.896	-92.267
1) JSW JAIGAD	14.583	390.907	6) TAPS 1&2 Injection	7.768	116.161
2) WPCL	8.627	94.735	7) RGPPL Injection	28.411	464.367
3) Other CPP / IPP	4.858	64.417	8) Pench (Excess)	-0.273	-4.709
4) Wind Generation	2.322	32.706	# Total Cent. Sector	136.758	1967.695
5) PENCH (MS)	0.605	7.606	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.086	-170.204
1) TPCL Thermal	27.962	400.733	G) Bilateral Power *		
2) TPCL Hydro	3.663	54.575	1) MSEDCL Bilateral	34.127	572.878
TOTAL TPCL	31.625	455.308	Include PX	6.065	43.305
3) REL Thermal	12.446	188.539	2) MUMBAI Bilateral	14.123	189.148
D) STATE			Include PX	1.079	3.840
1) Thermal (A1+C1+C3)	144.840	2106.362	3) MUMBAI Schedule	14.225	192.600
2) Hydro (A2+B5+C2)	24.893	265.827	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.208	213.438	1) MSEDCL	291.932	4322.036
4) Wind (B4)	2.322	32.706	2) TPCL	37.797	538.736
5) CPP (B1+B2+B3)	28.068	550.059	3) REL	19.270	275.111
TOTAL STATE	212.331	3168.392	TOTAL STATE	348.999	5135.883

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	4556	4506	4153
MSGENCO Hydro	1021	1426	133
MSGENCO Gas	468	482	493
MSGENCO Total Generation	6045	6414	4779
Central Sector Receipt	6143	5635	6042
WIND	112	81	89
CPP / IPP	1184	1189	1159
Exchange with Mumbai	-660	-658	-371
MSEDCL DEMAND MET	12849	12714	11684
Load Shedding (LS)	1964	1370	461
MSEDCL DEMAND (INCL. LS)	14813	14084	12145
TPCL GENERATION	1658	1648	874
REL GENERATION	523	524	526
TPCL+REL DEMAND	2841	2830	1771
STATE DEMAND MET	15690	15544	13455
Load Management (LM)	2563	3670	1462
Total Load Relief (LS+LM)	4527	5040	1923
UNRESTRICTED STATE DEMAND	20217	20584	15378
Frequency (Hz)	49.59	49.71	49.73

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 18.00 Hrs	49.13 Hz at 17.53 Hrs	49.66	.27 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.75	49.04	158	0	130
Unit 6	3.22	55.42	156	99	140
Unit 7	3.27	12.50	160	90	130
Total	8.24	116.97			400
Bhusawal					
Unit 2	3.00	53.90	160	100	160
Unit 3	3.15	48.42	170	85	120
Unit 4	0.00	0.00	0	0	
Total	6.15	102.32			280
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	3.50	57.76	175	123	164
Unit 5	2.66	44.57	123	92	115
Unit 6	4.24	62.83	252	0	160
Unit 7	4.50	56.31	225	148	160
Total	14.89	246.80			599
Chandrapur					
Unit 1	3.70	56.94	161	147	160
Unit 2	0.00	9.78	0	0	0
Unit 3	3.94	58.36	183	116	185
Unit 4	4.76	72.00	207	178	205
Unit 5	10.78	95.81	465	430	440
Unit 6	0.00	126.17	0	0	0
Unit 7	10.54	97.34	493	361	450
Total	33.72	516.40			1440
Paras					
Unit 3	3.43	54.83	157	115	150
Unit 4	3.00	54.22	156	90	150
Total	6.43	109.05			300
Khaparkheda					
Unit 1	4.22	55.77	185	160	160
Unit 2	4.26	55.46	185	168	160
Unit 3	4.21	57.68	185	163	160
Unit 4	4.58	59.01	205	170	170
Unit 5	4.49	28.28	255	139	0
Total	21.76	256.20			650
Nasik					
Unit 3	4.88	65.56	215	175	192
Unit 4	4.16	55.22	198	120	192
Unit 5	4.21	48.56	191	155	162
Total	13.24	169.35			546
Uran					
All Units	12.21	213.44	657	452	485
Total	12.21	213.44			485
PENCH (MS)					
Pench (MS)	0.60	7.61	53	0	
Total	0.60	7.61			
Koyna					
Stage 1-2	6.58	64.26	525	45	600
Stage 4	8.01	68.07	728	0	250
Stage 3	3.15	28.58	302	0	320
Total	17.74	160.91			1170
Kovna 12&4 Total	14.59	132.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	2.99	19	18	19
VTRNA	0.00	0.39	0	0	0
TILLARI	0.39	6.22	60	0	60
BHTGR/VEER	0.15	2.24	7	6	7
BHIRA T.R.	0.26	3.13	80	0	80
RNGR+BHTSA	0.40	5.78	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	3.79	15	14	15
SMLHY PTN	0.89	9.04	44	33	11
GHATGHAR	0.00	9.15	0	0	0
Total	2.89	42.74			208
Wind					
MalharPeth	0.22	2.64			
Vankuswadi	0.22	4.43			
ATIT	0.03	0.67			
Kale	0.09	1.48			
Satara	0.23	5.12			
Shirala	0.11	1.55			
K Mahankal	0.22	2.86			
Supa	0.01	0.88			
Vita	0.42	6.03			
Dondaicha	0.44	2.18			
Sakri	0.05	0.56			
Nandurbar	0.04	0.57			
Khandke	0.16	2.18			
Khaparale	0.08	1.55			
Total	2.32	32.71			
CPP					
JSW JAIGAD	14.58	390.91	612	574	800
WARDHA	8.63	94.74	362	355	360
Other CPPs	4.86	64.42			
Total	28.07	550.06			1160
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.91	148.26	496	0	490
Trombay 6	10.71	105.94	489	246	500
Trombay 7A	2.85	41.45	124	98	120
Trombay 7B	1.59	23.31	68	59	60
Trombay 8	5.90	81.78	248	243	250
TATA Hydro	3.66	54.58	395	0	447
Total	31.62	455.31			1867
REL					
1&2	12.45	188.54	527	374	500
Total	12.45	188.54			500
Cent Sect					
Share					5552
Total					5552

MS PG CL	Thermal	104.43	1517.09			4215
	Thml+Gas	116.64	1730.53			4700
	Hydro	20.62	203.65			1378
	Total	137.26	1934.17			6078
State Total		212.33	3168.39			15157

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Nov/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4155	328	495	4978	66	1155	5560	5824	-522	-552	11496	2131	11691	2008	15635	49.61
2	4167	423	493	5083	66	1154	5515	5788	-469	-445	11671	2116	12050	1872	15659	49.71
3	4153	133	493	4779	89	1120	5450	6042	-401	-371	11684	1923	12145	1771	15378	49.73
4	4135	138	492	4765	102	1150	5399	6014	-348	-327	11729	1964	12212	1716	15409	49.86
5	4251	564	494	5309	95	1156	5379	5837	-327	-302	12120	1986	12617	1699	15805	49.77
6	4343	974	493	5810	95	1153	5383	5681	-321	-289	12475	2249	13160	1745	16469	49.66
7	4425	832	492	5749	115	1152	5379	5340	-331	-250	12131	3295	13621	1858	17284	49.56
8	4418	1031	495	5944	118	1154	5039	5329	-391	-333	12237	3946	13838	1962	18145	49.59
9	4521	973	487	5981	95	1170	5163	5268	-541	-494	12045	4315	13672	2200	18560	49.62
10	4522	856	471	5849	112	1178	5373	5602	-670	-605	12161	4354	14112	2548	19063	49.56
11	4580	989	464	6033	130	1176	5999	6028	-744	-681	12711	4454	14726	2804	19969	49.62
12	4556	1021	468	6045	112	1184	5989	6143	-744	-660	12849	4527	14813	2841	20217	49.59
13	4332	1075	466	5873	96	1182	5952	5987	-744	-708	12455	4665	14554	2835	19955	49.55
14	4275	1065	459	5799	78	1183	5947	6096	-744	-686	12470	4297	14285	2748	19515	49.69
15	4367	1420	457	6244	75	1187	5844	5978	-744	-754	12730	3947	14358	2839	19516	49.57
16	4385	1384	452	6221	64	1185	5649	5614	-744	-744	12340	4097	14166	2848	19285	49.58
17	4398	1213	461	6072	99	1189	5106	5537	-744	-720	12177	4742	14239	2844	19763	49.65
18	4491	1175	482	6148	87	1186	5108	5064	-744	-688	11823	4861	13442	2788	19472	49.53
19	4506	1426	482	6414	81	1189	5215	5635	-703	-658	12714	5040	14084	2830	20584	49.71
20	4493	1183	547	6223	83	1190	5353	5668	-690	-542	12672	4804	13714	2734	20210	49.75
21	4384	760	623	5767	88	1183	5308	5672	-638	-479	12281	4574	13115	2623	19478	49.68
22	4292	763	641	5696	119	1174	5320	5628	-638	-544	12123	4327	12732	2443	18893	49.71
23	4190	318	644	5152	130	1157	5193	5634	-612	-571	11527	4128	12057	2365	18020	49.73
24	4093	581	657	5331	127	1161	5012	5349	-670	-683	11311	3524	11702	2236	17071	49.72
MUs	104.4 3	20.62	12.21	137.26	2.32	28.07	130.64	136.76	-14.23	-13.09	291.93	90.27	321.10	57.16	439.36	49.66

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 15/Nov/2011

Position as on 6.30 Hrs of 16/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koyna ST - IV 4	250	03/11/2011	04.42		Continued.	Attending Oil Leakage through Spherical Valve	23/11/2011
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
Dabhol 2A	230	05/11/2011	15.48		Continued.	Overhauling work	17/11/2011
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	23/11/2011
CPP JSW (J) U3	300	12/11/2011	11.45		Continued.	Condenser cooling water leakage.	
Parli Unit 3	210	12/11/2011	21.25		Continued.	No coal.	
Uran Unit 5	108	14/11/2011	00.05	15/11/2011	17.14	Air filter replacement.	
CPP JSW (J) U4	300	14/11/2011	01.17		Continued.	Turbine governing oil line leakage.	
Chandrapur Unit 6	500	14/11/2011	04.36		Continued.	Boiler tube leakage.	17/11/2011
Tata Trombay 5	500	14/11/2011	08:15	15/11/2011	05.53	Turbine bearing Vibration high.	
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	
Parli Unit 6	250	14/11/2011	23.15	15/11/2011	03.26	Loss of Fuel	
Koradi Unit 5	200	15/11/2011	12.01		Continued.	ID Fan Problem	
REL 2	250	15/11/2011	23.46		Continued.	Valve Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2011

Position as on 6.30 Hrs of 16/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	02/11/2011	11.33		Continued.	To control Koradi-Bhilai Load
Parli (PGCIL)-Bhadravati-II	07/11/2011	17.00		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/11/2011	21.51	15/11/2011	10.01	Over Voltage.
Dhule-Sar'Sarovar - I	14/11/2011	17.41	15/11/2011	10.31	Over Voltage
Karad - Solapur (PGCIL)	15/11/2011	21.15		Continued.	Over Voltage
Dhule - S'Sarovar- II	15/11/2011	22.14		Continued.	Over Voltage
Kolhapur-Mapusa-II	15/11/2011	22.34		Continued.	Over Voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	14/11/2011	21.46	15/11/2011	17.02	Hand Tripped
Pench - Kanhan	15/11/2011	22.15		Continued.	Hand Tripped
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor of 400KV Parli-Lnknd-I	02/11/2011	10.52		Continued.	Oil Leakage and Filtration work
400/220KV,500 MVA ICT-III at Nagothane.	14/11/2011	11.20		Continued.	Attending the Punch related to Isolator Transformer
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gasformation upto 29/11/2011
Kalwa-Mulund II	12/11/2011	09.43		Continued.	Replacement of breaker isolator .Line taken on TBC.(up to 28/11/2011)
Chandrapur - Rly TSS - I	15/11/2011	09.38	15/11/2011	17.22	Measuremenet of Tan Delta of CT
Lonand - SonaAlloys	15/11/2011	09.47	15/11/2011	13.58	Q.M.Work
Nasik - Ghatghar	15/11/2011	10.20	15/11/2011	13.30	Red Hot
Main Bus @ Vita	15/11/2011	12.15	15/11/2011	15.14	Q.M.Work
Parli-Usmanabad	15/11/2011	13.45	15/11/2011	17.28	Stringing of One Span line of 220KV Paranda Bay from Tower to Bay Gantry
220/100KV 200MVA ICT-I at Kalwa	15/11/2011	14.10	15/11/2011	17.20	For Shifting of Load of ICT-I 100KV Side to ICT-III
Kandalgaon - Sonalloy	15/11/2011	14.20	15/11/2011	15.29	Tree cutting work
Gadchandur-Virur-II	15/11/2011	15.40	15/11/2011	16.40	Checking of SF6 Gas Pressure
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Pardi	10/11/2011	08.49	15/11/2011	18.15	Height Raising of 132 KV Ambazari-

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2011

Position as on 6.30 Hrs of 16/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Pardi & 132 KV Khapri-Besa Between Loc.64-68 & 79-83 Due to Four Laning of National Highway No.-7.
Voltage Level : 220KV					Outage Type FORCED OUTAGE
220/132 KV 200 MVA ICT-II @ Harangul	15/11/2011	14.02	15/11/2011	15.42	To attend Hot Spot on B Phase CT
Voltage Level : 400KV					Outage Type HAND TRIPPED
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Karad - Kolhapur - I	15/11/2011	03.10		Continued.	Over Voltage
Bhusawal- Aurangabad	15/11/2011	23.11	16/11/2011	02.14	Over Voltage
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chandrapur - Warora	14/11/2011	04.49		Continued.	Line loading.
Voltage Level : 400KV					Outage Type TRIPPED
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Nov/2011

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	160
Unit 3	210	160
Unit 4	500	
	920	320
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	100
Unit 6	250	180
Unit 7	250	160
	1130	550
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1440
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
	1340	720
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	162
	630	546
Uran		
All Units	852	630
	852	630
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	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	
	611	207
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	600	550
WARDHA	405	364
Other CPPs	0	
	1005	914
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	250
	500	250
Cent Sect		
Share	3455	5386
	3455	5386

	17900	7 of 7 14570
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