



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Nov/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.769	2167.119	1) Gujrat	0.039	67.522
2) Hydro	12.616	272.629	2) Madhya Pradesh	18.495	483.989
3) Gas	12.967	295.352	3) Chattisgarh	14.880	316.580
Total MSGENCO	136.352	2735.100	4) Maharashtra	48.107	1174.453
B) OTHERS			5) Goa	-6.729	-129.416
1) JSW JAIGAD	23.967	514.499	6) TAPS 1&2 Injection	7.765	162.831
2) WPCL	8.465	143.960	7) RGPPL Injection	32.946	645.221
3) Other CPP / IPP	6.407	103.387	8) Pench (Excess)	-0.077	-6.043
4) Wind Generation	8.077	70.261	# Total Cent. Sector	115.426	2715.137
5) PENCH (MS)	0.399	9.564	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.172	-234.552
1) TPCL Thermal	27.031	560.589	G) Bilateral Power *		
2) TPCL Hydro	4.479	78.637	1) MSEDCL Bilateral	31.598	781.261
TOTAL TPCL	31.510	639.226	Include PX	2.365	58.670
3) REL Thermal	12.611	251.238	2) MUMBAI Bilateral	11.574	262.994
D) STATE			Include PX	1.089	5.479
1) Thermal (A1+C1+C3)	150.411	2978.946	3) MUMBAI Schedule	11.574	273.307
2) Hydro (A2+B5+C2)	17.494	360.830	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.967	295.352	1) MSEDCL	289.921	6057.356
4) Wind (B4)	8.077	70.261	2) TPCL	35.563	748.257
5) CPP (B1+B2+B3)	38.839	761.846	3) REL	17.728	376.594
TOTAL STATE	227.788	4467.235	TOTAL STATE	343.212	7182.207

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	4473	4413	4776
MSGENCO Hydro	911	441	121
MSGENCO Gas	461	618	512
MSGENCO Total Generation	5845	5472	5409
Central Sector Receipt	5099	5283	4982
WIND	707	287	209
CPP / IPP	1558	1788	1754
Exchange with Mumbai	-417	-508	-187
MSEDCL DEMAND MET	12819	12372	11935
Load Shedding (LS)	1926	1332	382
MSEDCL DEMAND (INCL. LS)	14745	13704	12317
TPCL GENERATION	1757	1666	824
REL GENERATION	527	525	526
TPCL+REL DEMAND	2701	2699	1537
STATE DEMAND MET	15520	15071	13472
Load Management (LM)	2572	3902	1716
Total Load Relief (LS+LM)	4498	5234	2098
UNRESTRICTED STATE DEMAND	20018	20305	15570
Frequency (Hz)	49.59	49.58	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 08:02 Hrs	48.9 Hz at 16:55 Hrs	49.65	1.86 % 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 21/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.30	60.17	160	112	135
Unit 6	3.44	75.42	170	106	165
Unit 7	3.78	34.66	175	130	180
Total	10.51	170.24			480
Bhusawal					
Unit 2	2.32	71.02	135	55	120
Unit 3	2.09	65.03	140	35	120
Unit 4	0.00	0.00	0	0	0
Total	4.41	136.05			240
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	3.71	70.03	186	123	150
Unit 5	3.10	61.48	137	117	135
Unit 6	4.42	92.17	224	151	160
Unit 7	5.05	85.21	254	176	180
Total	16.29	334.23			625
Chandrapur					
Unit 1	3.83	79.17	166	153	160
Unit 2	0.00	9.78	0	0	0
Unit 3	4.01	82.65	185	138	180
Unit 4	4.70	100.35	210	183	190
Unit 5	10.56	159.71	460	390	425
Unit 6	9.95	164.96	445	390	400
Unit 7	10.71	160.90	476	391	450
Total	43.75	757.50			1805
Paras					
Unit 3	4.17	76.33	194	157	160
Unit 4	3.93	75.24	185	140	160
Total	8.10	151.57			320
Khaparkheda					
Unit 1	3.28	81.00	190	95	190
Unit 2	3.24	79.83	180	75	180
Unit 3	3.39	84.18	192	97	190
Unit 4	3.38	85.35	191	95	190
Unit 5	0.00	35.49	0	0	0
Total	13.29	365.85			750
Nasik					
Unit 3	5.07	94.16	215	175	192
Unit 4	4.92	83.65	210	194	192
Unit 5	4.43	73.86	190	175	162
Total	14.42	251.66			546
Uran					
All Units	12.97	295.35	663	461	630
Total	12.97	295.35			630
PENCH (MS)					
Pench (MS)	0.40	9.56	50	0	0
Total	0.40	9.56			0
Koyna					
Stage 1-2	3.20	84.40	455	40	600
Stage 4	4.21	88.44	679	0	250
Stage 3	1.90	37.45	160	0	320
Total	9.31	210.30			1170
Kovna 12&4 Total	7.41	172.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	5.67	19	18	19
VTRNA	0.00	0.39	0	0	0
TILLARI	0.00	6.79	0	0	0
BHTGR/VEER	0.14	2.98	6	5	8
BHIRA T.R.	0.26	4.48	78	0	80
RNGR+BHTSA	0.34	8.05	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	5.92	15	14	15
SMLHY PTN	0.74	13.86	39	27	11
GHATGHAR	1.03	14.19	250	0	0
Total	3.30	62.33			148
Wind					
MalharPeth	0.41	5.77			
Vankuswadi	1.00	9.91			
ATIT	0.13	1.70			
Kale	0.42	3.74			
Satara	2.16	13.12			
Shirala	0.44	4.31			
K Mahankal	0.05	5.49			
Supa	0.07	1.31			
Vita	1.45	13.49			
Dondaicha	1.08	3.89			
Sakri	0.18	0.81			
Nandurbar	0.08	0.78			
Khandke	0.20	3.08			
Khaparale	0.42	2.86			
Total	8.08	70.26			
CPP					
JSW JAIGAD	23.97	514.50	1157	895	825
WARDHA	8.46	143.96	362	289	360
Other CPPs	6.41	103.39			
Total	38.84	761.85			1185
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.83	202.71	492	146	500
Trombay 6	6.72	150.18	450	155	500
Trombay 7A	2.90	58.31	125	114	120
Trombay 7B	1.60	32.76	68	65	60
Trombay 8	5.98	116.63	251	246	250
TATA Hydro	4.48	78.64	427	0	447
Total	31.51	639.23			1877
REL					
1&2	12.61	251.24	527	524	500
Total	12.61	251.24			500
Cent Sect					
Share					4950
Total					4950

MS PG CL	Thermal	110.77	2167.12			4766
	Thml+Gas	123.74	2462.47			5396
	Hydro	12.62	272.63			1318
	Total	136.35	2735.10			6714
State Total		227.79	4467.24			15226

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4836	121	508	5465	132	1433	4421	4823	-401	-312	11541	2338	11721	1798	15677	49.73
2	4733	121	511	5365	178	1465	4403	4972	-294	-299	11701	2288	12010	1624	15613	49.80
3	4776	121	512	5409	209	1499	4351	4982	-238	-187	11935	2098	12317	1537	15570	49.83
4	4773	126	511	5410	237	1500	4322	4845	-206	-103	11914	2343	12356	1510	15767	49.84
5	4841	121	517	5479	260	1499	4312	4763	-196	-74	11953	2468	12487	1499	15920	49.82
6	4828	529	511	5868	249	1502	4319	4686	-205	-150	12180	2752	12945	1575	16507	49.61
7	4845	938	512	6295	282	1522	4356	4292	-249	-274	12124	3708	13652	1695	17527	49.44
8	4930	488	518	5936	255	1539	4377	4067	-291	-374	11423	4299	13028	1817	17539	49.74
9	4853	319	495	5667	252	1556	4406	4467	-328	-370	11572	4591	13151	2059	18222	49.63
10	4758	885	476	6119	376	1530	4464	4573	-391	-318	12280	4592	14143	2421	19293	49.51
11	4647	1047	470	6164	557	1551	4969	4893	-520	-375	12813	4498	14776	2637	19948	49.56
12	4473	911	461	5845	707	1558	5061	5099	-614	-417	12819	4498	14745	2701	20018	49.59
13	4434	764	514	5712	664	1566	5183	5187	-718	-526	12628	4681	14739	2699	20008	49.62
14	4439	919	504	5862	548	1576	5147	5230	-677	-513	12707	4339	14590	2651	19697	49.61
15	4426	1319	462	6207	425	1629	5185	5192	-721	-548	12905	3981	14619	2682	19568	49.52
16	4432	1380	498	6310	348	1707	5185	5034	-737	-573	12826	4072	14677	2694	19592	49.49
17	4425	811	543	5779	292	1765	4790	4644	-688	-576	11904	4636	13916	2687	19227	49.52
18	4438	259	604	5301	223	1786	4929	4757	-603	-520	11570	4730	13143	2659	18959	49.49
19	4413	441	618	5472	287	1788	5190	5283	-645	-508	12372	5234	13704	2699	20305	49.58
20	4497	470	628	5595	328	1788	5317	5109	-645	-459	12411	5037	13452	2658	20106	49.69
21	4435	155	628	5218	358	1784	5267	5096	-588	-435	12068	4789	12891	2502	19359	49.76
22	4476	130	643	5249	336	1776	5279	4754	-549	-423	11716	4416	12233	2324	18456	49.81
23	4529	123	660	5312	302	1752	5177	4419	-549	-464	11321	4131	11710	2162	17614	49.70
24	4532	118	663	5313	272	1768	5002	4259	-519	-374	11238	3672	11548	2003	16913	49.79
MUs	110.7 7	12.62	12.97	136.35	8.08	38.84	115.41	115.43	-11.57	-9.17	289.92	94.19	318.55	53.29	437.41	49.65

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 21/Nov/2011

Position as on 6.30 Hrs of 22/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
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.	05/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	No coal.	
CPP JSW (J) U4	300	14/11/2011	01.17	21/11/2011	13:20	Turbine governing oil line leakage.	
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	25/11/2011
Khaparkheda Unit 5	500	17/11/2011	17.57		Continued.	UAT Trip. Baring jam.	23/11/2011
Tata Trombay 5	500	20/11/2011	01.27	21/11/2011	00.04	BLR T/L.	
Cent_Sect NTPC(K-4)	500	20/11/2011	14.15		Continued.	Boiler tube leakage.	23/11/2011
Uran Unit 5	108	21/11/2011	00.27	21/11/2011	12:34	Turbine bearing vibration.	
Cent_Sect Kawas GT2A	106	21/11/2011	18:30		Continued.	W/Dn.	
Bhusawal Unit 3	210	21/11/2011	23.40		Continued.	G.S.Water Line Leakage	23/11/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2011

Position as on 6.30 Hrs of 22/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
Borivali-Tarapur-I	20/11/2011	22.38	21/11/2011	05.23	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
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	20/11/2011	16.32	21/11/2011	09.49	Over Voltage.
Dhule-S'Sarovar I	20/11/2011	17.04		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	21/11/2011	07.06	21/11/2011	15.52	Over Voltage
Kolhapur-Mapusa-II	21/11/2011	22.35		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV 200 MVA ICT-I @ Bhusawal	16/11/2011	11.40		Continued.	Filteration of Oil upto 23.11.11.
Auxillary Bus at Dhule	21/11/2011	09.30	21/11/2011	12.30	Disconnection of Earth Switch Jumpers
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 Gas Formation 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)
Main Bus-II at Koradi	16/11/2011	10.36		Continued.	Replacement of 29B Isolator of ICT 220KV Side.
220/100KV 200MVA ICT-IV at Kalwa	16/11/2011	12.25		Continued.	Rectification of Fault/Internal Inspection due to Increased Key Fault.Outage upto 22.11.11.
220/15.75KV 250 MVA GT III @ Parly-I	16/11/2011	12.25		Continued.	Replacement of main bus isolator.
Khaperkheda - Koradi	19/11/2011	15.25	21/11/2011	16.52	Replacement of isolator.
Borivali-Tata Borivali 4	20/11/2011	22.23	21/11/2011	05.51	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Borivali-Mulund	20/11/2011	22.33	21/11/2011	05.37	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
220/100KV,200MVA ICT-I at Borivali.	20/11/2011	22.34	21/11/2011	05.38	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Main Bus Section-I at	20/11/2011	23.30	21/11/2011	04.50	For change in jumper arrangement of

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2011

Position as on 6.30 Hrs of 22/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Borivali					bus section,required for cable termination work of Rel.infra GIS work.
GIS Main Bus-II at Ghodbandar	21/11/2011	09.43		Continued.	Coupling of new 220KV GIS to old 220KV GIS of Bhoisor-Borivali LILO project at Ghodbandar
Main Bus - I @ Varsova	21/11/2011	09.48	21/11/2011	17.50	Annual Maintenance
Mudsinghi - Mumewadi - I	21/11/2011	10.03	21/11/2011	19.47	Hamidwada LILO Work
Dhamangaon - Badnera	21/11/2011	10.22	21/11/2011	13.24	Maint.of Isolator
Talangade - Mumewadi	21/11/2011	10.29	21/11/2011	18.44	Making Cut Point
Halkarni-Tillari	21/11/2011	11.25	21/11/2011	17.29	Q.M.Work
Koradi-Butibori	21/11/2011	17.13		Continued.	Replacement of 29B Isolator(Ckt is on TBC)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Pardi	20/11/2011	08.31		Continued.	Tower height raising 132KV Ambz-Pardi and Khapri-Besa ckt.
Khapri - Besa	20/11/2011	08.50		Continued.	Tower Height Raising of 132KV A'zari-Pardi and Khapri-Besa Line
Ambazari-Arvi	21/11/2011	09.00	21/11/2011	17.14	Crimping work of Jumper
Jalna - Ambad	21/11/2011	11.40	21/11/2011	18.30	Jumper Connection Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Aurangabad-Jalna-II	21/11/2011	12.18	21/11/2011	14.29	To attend Red Hot on C.T.Clamp
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz alarm problem.
Karad - Kolhapur - II	18/11/2011	22.59		Continued.	Over Voltage.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	20/11/2011	22.49	21/11/2011	06.07	Over Voltage.
Bhusawal- Aurangabad	21/11/2011	21.00	22/11/2011	04.19	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	18/11/2011	17.27		Continued.	H/T to control line loading of 220KV Warora-Hinganghat.
P'pur-Malinagar	21/11/2011	16.45	21/11/2011	17.45	To attend Breaker problem at Malinagar
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.
Voltage Level : 220KV			Outage Type TRIPPED		
P'pur-Malinagar	21/11/2011	11.30	21/11/2011	11.45	Distance Protection
Kolhapur-Karad-IV	21/11/2011	12.38	21/11/2011	17.18	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	145
Unit 7	210	160
	620	445
Bhusawal		
Unit 2	210	120
Unit 3	210	0
Unit 4	500	
	920	120
Parli		
Unit 3	210	0
Unit 4	210	175
Unit 5	210	120
Unit 6	250	165
Unit 7	250	180
	1130	640
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1900
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	90
Unit 2	210	90
Unit 3	210	92
Unit 4	210	92
Unit 5	500	
	1340	364
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
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	19
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	145
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	1100
WARDHA	405	360
Other CPPs	0	
	1005	1460
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5429
	3455	5429

	17900	7 of 7	15570
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