



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Nov/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.311	2276.430	1) Gujrat	1.181	68.703
2) Hydro	8.015	280.644	2) Madhya Pradesh	21.610	505.599
3) Gas	15.480	310.832	3) Chattisgarh	15.560	332.140
Total MSGENCO	132.806	2867.906	4) Maharashtra	51.897	1226.350
B) OTHERS			5) Goa	-7.573	-136.989
1) JSW JAIGAD	28.201	542.700	6) TAPS 1&2 Injection	7.803	170.634
2) WPCL	8.619	152.579	7) RGPPL Injection	29.785	675.006
3) Other CPP / IPP	5.564	108.951	8) Pench (Excess)	-0.135	-6.178
4) Wind Generation	6.649	76.910	# Total Cent. Sector	120.128	2835.265
5) PENCH (MS)	0.510	10.074	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.814	-244.366
1) TPCL Thermal	27.034	587.623	G) Bilateral Power *		
2) TPCL Hydro	4.320	82.957	1) MSEDCL Bilateral	40.482	821.743
TOTAL TPCL	31.354	670.580	Include PX	1.454	60.123
3) REL Thermal	12.621	263.859	2) MUMBAI Bilateral	11.224	274.218
D) STATE			Include PX	1.442	6.921
1) Thermal (A1+C1+C3)	148.966	3127.912	3) MUMBAI Schedule	11.224	284.530
2) Hydro (A2+B5+C2)	12.845	373.675	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.480	310.832	1) MSEDCL	292.663	6350.019
4) Wind (B4)	6.649	76.910	2) TPCL	35.754	784.011
5) CPP (B1+B2+B3)	42.384	804.230	3) REL	18.033	394.627
TOTAL STATE	226.324	4693.559	TOTAL STATE	346.450	7528.657

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	4663	4580	4479
MSGENCO Hydro	536	510	130
MSGENCO Gas	624	636	668
MSGENCO Total Generation	5823	5726	5277
Central Sector Receipt	5494	5118	4844
WIND	501	267	205
CPP / IPP	1785	1806	1804
Exchange with Mumbai	-491	-548	-172
MSEDCL DEMAND MET	13137	12416	11866
Load Shedding (LS)	1993	1278	225
MSEDCL DEMAND (INCL. LS)	15130	13694	12091
TPCL GENERATION	1680	1622	921
REL GENERATION	526	525	526
TPCL+REL DEMAND	2697	2695	1619
STATE DEMAND MET	15834	15111	13485
Load Management (LM)	2541	3882	1680
Total Load Relief (LS+LM)	4534	5160	1905
UNRESTRICTED STATE DEMAND	20368	20271	15390
Frequency (Hz)	49.64	49.51	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.05 Hz at 03.20 Hrs	49.13 Hz at 18.05 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 22/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.15	63.32	155	102	140
Unit 6	3.21	78.63	151	114	145
Unit 7	3.58	38.23	170	120	160
Total	9.94	180.18			445
Bhusawal					
Unit 2	3.34	74.36	170	90	120
Unit 3	0.00	65.03	0	0	0
Unit 4	0.00	0.00	0	0	
Total	3.34	139.39			120
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	4.38	74.41	195	172	175
Unit 5	3.01	64.49	143	106	120
Unit 6	4.62	96.79	232	159	165
Unit 7	4.40	89.61	251	0	180
Total	16.40	350.64			640
Chandrapur					
Unit 1	3.66	82.83	160	124	160
Unit 2	0.00	9.78	0	0	0
Unit 3	3.94	86.59	185	124	180
Unit 4	4.72	105.07	210	156	210
Unit 5	10.84	170.55	470	420	450
Unit 6	10.62	175.58	480	413	450
Unit 7	10.87	171.78	469	431	450
Total	44.66	802.17			1900
Paras					
Unit 3	4.12	80.45	204	139	150
Unit 4	3.36	78.60	205	79	150
Total	7.48	159.05			300
Khaparkheda					
Unit 1	3.16	84.16	170	95	90
Unit 2	3.34	83.17	179	90	90
Unit 3	3.17	87.35	173	100	92
Unit 4	3.24	88.59	171	103	92
Unit 5	0.04	35.53	29	0	
Total	12.94	378.79			364
Nasik					
Unit 3	5.16	99.32	217	215	210
Unit 4	4.90	88.56	211	195	210
Unit 5	4.47	78.33	193	175	180
Total	14.54	266.20			600
Uran					
All Units	15.48	310.83	669	613	630
Total	15.48	310.83			630
PENCH (MS)					
Pench (MS)	0.51	10.07	50	0	
Total	0.51	10.07			
Koyna					
Stage 1-2	3.02	87.42	540	40	600
Stage 4	1.17	89.62	447	0	250
Stage 3	0.32	37.77	136	0	320
Total	4.51	214.81			1170
Kovna 12&4 Total	4.19	177.04			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.15	5.82	19	0	19
VTRNA	0.00	0.39	0	0	0
TILLARI	0.00	6.79	0	0	0
BHTGR/VEER	0.13	3.11	6	5	6
BHIRA T.R.	0.27	4.75	82	0	80
RNGR+BHTSA	0.38	8.43	16	16	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	6.28	15	14	15
SMLHY PTN	0.93	14.78	46	35	11
GHATGHAR	1.30	15.49	250	0	0
Total	3.50	65.84			145
Wind					
MalharPeth	0.65	6.42			
Vankuswadi	0.94	10.85			
ATIT	0.35	2.05			
Kale	0.30	4.04			
Satara	1.00	14.12			
Shirala	0.34	4.66			
K Mahankal	0.37	5.86			
Supa	0.15	1.46			
Vita	1.05	14.54			
Dondaicha	0.77	4.66			
Sakri	0.12	0.93			
Nandurbar	0.07	0.85			
Khandke	0.20	3.29			
Khaparale	0.34	3.20			
Total	6.65	76.91			
CPP					
JSW JAIGAD	28.20	542.70	1217	1092	1100
WARDHA	8.62	152.58	363	355	360
Other CPPs	5.56	108.95			
Total	42.38	804.23			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.02	213.73	494	294	490
Trombay 6	6.26	156.45	387	155	500
Trombay 7A	2.84	61.15	126	85	120
Trombay 7B	1.58	34.34	68	57	60
Trombay 8	5.33	121.96	250	188	250
TATA Hydro	4.32	82.96	448	0	447
Total	31.35	670.58			1867
REL					
1&2	12.62	263.86	528	524	500
Total	12.62	263.86			500
Cent Sect					
Share					5429
Total					5429

MS PG CL	Thermal	109.31	2276.43			4369
	Thml+Gas	124.79	2587.26			4999
	Hydro	8.02	280.64			1315
	Total	132.81	2867.91			6314
State Total		226.32	4693.56			15570

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4488	130	666	5284	289	1728	5042	4641	-415	-324	11635	2398	11792	1897	15930	49.69
2	4434	130	666	5230	253	1686	4951	4896	-318	-239	11849	2227	12044	1726	15802	49.71
3	4479	130	668	5277	205	1687	4913	4844	-268	-172	11866	1905	12091	1619	15390	49.83
4	4464	129	668	5261	167	1691	4890	5054	-235	-143	12055	2105	12333	1562	15722	49.86
5	4435	139	669	5243	168	1687	4890	5133	-229	-125	12131	2353	12580	1555	16039	49.84
6	4525	199	669	5393	175	1723	5063	5249	-96	-57	12508	2729	13261	1624	16861	49.64
7	4658	263	669	5590	126	1766	5151	4983	-196	-129	12338	3619	13820	1743	17700	49.55
8	4809	153	666	5628	99	1762	4947	4605	-301	-202	11892	3989	13282	1814	17695	49.70
9	4746	155	656	5557	106	1748	4988	4828	-337	-333	11906	4262	13266	2070	18238	49.65
10	4720	173	636	5529	166	1743	5164	4984	-389	-320	12109	4491	13936	2446	19046	49.50
11	4690	532	622	5844	374	1771	5278	5359	-515	-431	12942	4424	14891	2652	20018	49.68
12	4663	536	624	5823	501	1785	5412	5494	-646	-491	13137	4534	15130	2697	20368	49.64
13	4520	406	626	5552	456	1798	5463	5447	-667	-603	12673	4675	14806	2694	20042	49.61
14	4514	723	619	5856	325	1791	5457	5497	-658	-626	12867	4288	14714	2611	19766	49.60
15	4520	1028	620	6168	261	1792	5453	5547	-669	-658	13117	3982	14826	2669	19768	49.62
16	4484	1128	614	6226	246	1787	5426	5343	-680	-640	12962	4122	14857	2684	19768	49.64
17	4514	510	613	5637	254	1784	5266	4850	-661	-624	11901	4702	13954	2674	19277	49.52
18	4599	122	613	5334	264	1805	5237	4841	-622	-642	11615	4662	13094	2652	18929	49.50
19	4580	510	636	5726	267	1806	5328	5118	-577	-548	12416	5160	13694	2695	20271	49.51
20	4629	398	640	5667	301	1804	5451	5153	-577	-516	12456	4928	13408	2673	20057	49.57
21	4614	167	649	5430	344	1811	5432	5088	-558	-510	12213	4521	12788	2491	19225	49.67
22	4384	123	653	5160	436	1815	5432	4888	-553	-500	11849	4271	12228	2324	18444	49.73
23	4382	118	654	5154	426	1807	5296	4137	-533	-540	11009	4091	11322	2202	17302	49.72
24	4460	113	664	5237	440	1807	5164	4149	-523	-441	11217	3674	11473	2015	16906	49.81
MUs	109.31	8.02	15.48	132.81	6.65	42.38	125.09	120.13	-11.22	-9.81	292.66	92.11	319.59	53.79	438.56	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 22/Nov/2011

Position as on 6.30 Hrs of 23/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
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/12/2011
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
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	25/11/2011
Khaparkheda Unit 5	500	17/11/2011	17.57	22/11/2011	22.45	UAT Trip. Baring jam.	
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
Parli Unit 7	250	22/11/2011	20.55	22/11/2011	23.17	Turbine Tripped	
Dabhol 1X	290	23/11/2011	01.40	23/11/2011	03.22	Tripped	
Dabhol 1B	230	23/11/2011	03.45		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Chandrapur Unit 5	500	23/11/2011	04.53		Continued.	Boiler Tube Leakage	26/11/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Nov/2011

Position as on 6.30 Hrs of 23/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
Dhule-S'Sarovar I	20/11/2011	17.04	22/11/2011	11.26	Over Voltage.
Kolhapur-Mapusa-II	21/11/2011	22.35	22/11/2011	08.28	Over Voltage
Karad-Lonikand	22/11/2011	10.19	22/11/2011	18.55	For shifting from M.B.-II to M.B.-I due to outage of M.B.-II at Karad
Kolhapur - Mapusa - I	22/11/2011	22.06		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	22/11/2011	11.55		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/132KV 200 MVA ICT-I @ Bhusawal	16/11/2011	11.40	22/11/2011	11.18	Filteration of Oil
Main Bus-II at Akola	22/11/2011	08.50	22/11/2011	18.24	R.M.Work of Bus-II alongwith Bus CVT
400KV TBC at Kharghar	22/11/2011	09.00	22/11/2011	18.04	Alignment of Isolator and R.M.Work
Main Bus- II @ Karad	22/11/2011	10.34		Continued.	For attending damaged Movable Blade of Y Phase PG Isolator of 400 KV Lonikand.
400/220 KV 300 MVA ICT-I @ Koradi	22/11/2011	22.09		Continued.	Replacement of 29B Isolator(ICT LV side is on TBC)
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 23.11.11.
220/15.75KV 250 MVA GT III @ Parly-I	16/11/2011	12.25		Continued.	Replacement of main bus isolator.
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Nov/2011

Position as on 6.30 Hrs of 23/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					project at Ghodbandar
Koradi-Butibori	21/11/2011	17.13	22/11/2011	17.46	Replacement of 29B Isolator(Ckt is on TBC)
Bale-Murud	22/11/2011	09.43	22/11/2011	17.17	For Removing Jumper and Charging Tuljapur Bus
Uran - HOCL	22/11/2011	10.48	22/11/2011	15.20	R.M.Work
220/132 KV 100MVA T/F II at Ogalewadi	22/11/2011	11.08	22/11/2011	16.10	Annual Maintenace
Tuljapur - Murud	22/11/2011	17.16	22/11/2011	17.17	Newly Charged
Bale - Tuljapur	22/11/2011	18.14	22/11/2011	18.15	Newly Charged
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	22/11/2011	17.53	Tower Height Raising of 132KV A'zari-Pardi and Khapri-Besa Line
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Vishrambag.	22/11/2011	10.00	22/11/2011	13.11	LA Crimping work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Apta-Khopoli-I	22/11/2011	09.42	22/11/2011	15.20	R.M.Work
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	21/11/2011	21.00	22/11/2011	04.19	Over Voltage
Karad-Jaigad II	22/11/2011	09.49	22/11/2011	10.08	For shifting from M.B.-II to M.B.-I due to outage of M.B.-II at Karad
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.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salshet - I	22/11/2011	17.30	22/11/2011	17.46	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	160
Unit 7	210	150
	620	470
Bhusawal		
Unit 2	210	160
Unit 3	210	0
Unit 4	500	
	920	160
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	135
Unit 6	250	180
Unit 7	250	180
	1130	675
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	165
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	450
	2340	1415
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	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	16
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	147
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	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	3455	5445
	3455	5445

	17900	7 of 7	15515
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