



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Sep/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.786	1460.680	1) Madhya Pradesh	61.872	1308.641
2) Hydro	3.981	175.439	2) Gujrat	42.550	671.891
3) Gas	15.781	342.434	3) Goa	-7.264	-123.589
Total MSGENCO	98.548	1978.553	4) TAPS 1&2 (Inj.)	7.105	164.423
B) OTHERS			5) Pench (Excess)	-1.022	-6.923
1) RGPPL Gas	37.278	790.795	# Total Cent. Sector	103.241	2014.443
2) Wind Generation	2.008	221.171	F) Other Exchanges		
3) CPP / IPP	3.965	187.882	1) With TPCL (Excess)	-8.500	-214.827
4) PENCH (MS)	1.022	6.923	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.792	164.371
1) TPCL Thermal	26.126	522.521	Include PX	5.280	117.562
2) TPCL Hydro	2.813	98.337	2) MUMBAI Bilateral	9.228	230.779
TOTAL TPCL	28.939	620.858	Include PX	2.208	42.152
3) REL Thermal	12.536	275.958	3) MUMBAI Schedule	9.228	230.779
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	117.448	2259.159	1) MSEDCL	237.562	4984.940
2) Hydro (A2+B3+C2)	7.816	280.699	2) TPCL	33.083	738.764
3) Gas (A3+B1)	53.059	1133.229	3) REL	16.891	372.949
4) Wind (B2)	2.008	221.171	TOTAL STATE	287.536	6096.653
5) CPP (B3)	3.965	187.882			
TOTAL STATE	184.296	4082.140			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3290	3412	3299
MSGENCO Hydro	116	671	70
MSGENCO Gas	658	659	668
MSGENCO Total Generation	4064	4742	4037
Central Sector Receipt	4560	4283	4036
RGPPL	1547	1557	1566
WIND	18	104	85
CPP / IPP	166	150	170
Exchange with TPCL	-599	-242	-136
MSEDCL DEMAND MET	9809	10634	9811
Load Shedding	1906	2316	0
MSEDCL DEMAND (INCL. LS)	11715	12950	9811
TPCL GENERATION	1452	1358	983
REL GENERATION	522	525	526
TPCL+REL DEMAND	2573	2125	1645
STATE DEMAND MET	12382	12759	11456
STATE DEMAND (INCL. LS)	14288	15075	11456
Frequency (Hz)	50.09	50.02	50.20
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2912 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			53.63 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 10.03 Hrs	49.57 Hz at 18.56 Hrs	50.06	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 22/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	16.10	0	0	0
Unit 2	1.28	23.15	66	25	60
Unit 3	1.12	28.96	58	22	50
Unit 4	0.00	0.00	0	0	0
Unit 5	2.90	44.05	130	109	145
Unit 6	2.74	58.07	141	73	105
Unit 7	2.91	71.52	140	105	130
	10.95	241.86			490
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	2.16	43.79	110	70	100
Unit 3	2.10	28.82	110	65	100
	4.26	73.24			200
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	2.82	0	0	0
Unit 3	0.00	19.56	0	0	0
Unit 4	3.43	61.18	160	129	150
Unit 5	2.78	42.92	146	97	110
Unit 6	3.62	59.12	180	74	100
Unit 7	1.95	27.46	119	52	95
	11.79	213.07			455
Chandrapur					
Unit 1	2.32	41.95	120	75	110
Unit 2	0.05	17.66	16	0	0
Unit 3	2.42	17.73	150	72	100
Unit 4	0.05	23.05	43	0	0
Unit 5	5.84	113.76	370	175	225
Unit 6	6.96	90.32	325	216	275
Unit 7	6.43	71.97	325	210	250
	24.07	376.44			960
Paras					
Unit 2	0.96	14.95	42	38	40
Unit 3	3.18	51.35	165	115	130
Unit 4	3.27	44.86	163	105	140
	7.42	111.15			310
Khaparkheda					
Unit 1	4.34	95.44	205	140	175
Unit 2	0.00	0.00	0	0	0
Unit 3	4.11	91.53	192	150	185
Unit 4	3.71	68.97	174	136	170
	12.17	255.94			530
Nasik					
Unit 1	1.95	29.05	95	65	100
Unit 2	0.00	11.52	0	0	0
Unit 3	3.40	50.63	185	70	170
Unit 4	0.00	42.02	0	0	0
Unit 5	2.78	55.76	183	0	160
	8.13	188.98			430
Koyna					
Stage 1-2	1.28	47.92	200	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.26	19.86	148	0	320
	1.54	67.78			920
Kovna 12&4 Total	1.28	47.92			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.78	342.43	668	636	640
		15.78	342.43			640
Hydro						
KDPH		0.00	13.54	0	0	0
VTRNA		0.00	5.43	0	0	0
TILLARI		0.05	5.11	41	0	0
BHTGR/VEER		0.10	3.16	4	4	4
BHIRA T.R.		0.33	9.17	79	0	40
RNGR+BHTSA		0.07	8.57	3	3	0
BHANDARDRA		0.12	12.24	5	5	5
ELDARY		0.00	10.50	0	0	11
SMLHY PTN		0.63	18.64	34	23	30
GHATGHAR		1.15	21.29	250	0	0
		2.44	107.66			90
PENCH (MS)						
Pench (MS)		1.02	6.92	54	3	
		1.02	6.92			
Wind						
MalharPeth		0.07	10.30			
Vankuswadi		0.20	21.32			
ATIT		0.06	7.86			
Kale		0.06	8.52			
Satara		0.10	20.86			
Shirala		0.07	8.08			
K Mahankal		0.05	8.06			
Supa		0.07	3.23			
Vita		0.34	36.60			
Dondaicha		0.56	54.27			
Sakri		0.08	11.14			
Nandurbar		0.10	6.65			
Khandke		0.18	13.88			
Khaparale		0.05	10.41			
		2.01	221.17			
CPP						
TOTAL CPP		3.96	187.88			
		3.96	187.88			
Dabhol						
RGPPL		37.28	790.80	1571	1532	1568
		37.28	790.80			1568
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.66	216.73	490	485	500
Trombay 6		5.00	99.94	270	150	500
Trombay 7A		2.92	64.22	124	120	120
Trombay 7B		1.62	35.52	68	67	60
Trombay 8		4.92	106.11	242	152	250
TATA Hydro		2.81	98.34	331	0	447
		28.94	620.86			1877
REL						
1&2		12.54	275.96	527	505	500
		12.54	275.96			500
Cent Sect						
Share						3661
						3661
MS PG CL	Thermal	78.79	1460.68			3375
	Thml+Gas	94.57	1803.11			4015
	Hydro	3.98	175.44			1010
	Total	98.55	1978.55			5025
State Total		184.30	4082.14			12631

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Sep/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3256	80	659	3995	1556	97	176	3629	4129	-332	-300	9706	937	10643	1895	12538	49.92
2	3208	80	667	3955	1558	81	170	3640	3943	-308	-275	9485	756	10241	1803	12044	50.03
3	3234	80	667	3981	1563	95	171	3570	4116	-240	-204	9776	242	10018	1711	11729	50.11
4	3299	70	668	4037	1566	85	170	3500	4036	-169	-136	9811	0	9811	1645	11456	50.20
5	3303	80	664	4047	1565	80	163	3497	4360	-169	-136	10099	212	10311	1640	11951	50.11
6	3141	75	664	3880	1562	81	171	3495	4482	-169	-143	10086	1166	11252	1670	12922	50.01
7	3289	80	668	4037	1564	52	165	3726	3978	-291	-259	9590	1633	11223	1792	13015	50.07
8	3222	75	665	3962	1562	31	166	3726	4333	-291	-277	9830	1673	11503	1852	13355	50.14
9	3152	129	664	3945	1550	32	165	3855	4456	-418	-403	9799	1681	11480	2083	13563	49.98
10	3184	167	662	4013	1549	20	164	4144	4386	-520	-507	9678	2107	11785	2354	14139	50.07
11	3290	116	658	4064	1547	18	166	4252	4560	-616	-599	9809	1906	11715	2573	14288	50.09
12	3279	121	652	4052	1544	20	168	4271	4726	-616	-600	9964	1728	11692	2586	14278	50.13
13	3158	212	645	4015	1538	17	144	4271	4740	-616	-582	9926	1683	11609	2574	14183	50.01
14	3280	364	636	4280	1535	26	159	4223	4712	-568	-530	10230	1635	11865	2452	14317	50.06
15	3282	275	642	4199	1532	43	169	4262	4229	-568	-531	9661	1732	11393	2421	13814	50.07
16	3379	75	643	4097	1536	132	160	4193	4187	-472	-444	9688	1656	11344	2278	13622	50.12
17	3395	75	653	4123	1538	192	173	4133	4195	-376	-338	9903	1295	11198	2131	13329	50.13
18	3375	86	655	4116	1547	130	166	3885	4351	-376	-340	9973	1458	11431	2087	13518	50.03
19	3327	337	662	4326	1551	197	168	4007	4236	-292	-257	10244	1882	12126	2053	14179	49.91
20	3412	671	659	4742	1557	104	150	3909	4283	-288	-242	10634	2316	12950	2125	15075	50.02
21	3469	440	657	4566	1559	82	155	4076	4271	-312	-271	10409	2267	12676	2099	14775	50.04
22	3420	133	654	4207	1565	123	168	4120	4278	-358	-301	10087	2223	12310	2078	14388	50.09
23	3260	85	657	4002	1563	135	168	3881	4324	-406	-387	9852	2042	11894	2080	13974	50.00
24	3172	75	660	3907	1571	135	170	3681	3930	-457	-438	9322	1756	11078	1993	13071	50.19
MUs	78.79	3.98	15.78	98.55	37.28	2.01	3.97	93.95	103.24	-9.23	-8.50	237.56	35.99	273.55	49.98	323.52	50.06

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 22/Sep/2010

Position as on 6.30 Hrs of 23/Sep/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 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/09/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/10/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	10/10/2010
Cent_Sect NTPC(V-6)	210	19/09/2010	13.56		Continued.	Annual overhaul.	09/10/2010
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.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/09/2010
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	22/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	22/09/2010
Parli Unit 2	30	16/09/2010	15.20		Continued.	Furnace Pressure High.	
Parli Unit 3	210	17/09/2010	05.33		Continued.	Furnance Pressure High	22/09/2010
CPP JSW_JAIGAD	300	18/09/2010	16.00		Continued.	Planned shutdown.	23/09/2010
Koradi Unit 1	105	19/09/2010	18.18		Continued.	Boiler tube leakage.	22/09/2010
Chandrapur Unit 2	210	22/09/2010	00.03	22/09/2010	20.17	IPT Diff.Expansion	
Chandrapur Unit 4	210	22/09/2010	01.27		Continued.	Boiler Tube Leakage	25/09/2010
Nasik Unit 5	210	22/09/2010	12.15	22/09/2010	14.05	Tripped due to ID fan problem.	
Koradi Unit 6	210	23/09/2010	02.10	23/09/2010	03.15	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2010

Position as on 6.30 Hrs of 23/Sep/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 - II	04/09/2010	12.29		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/09/2010	17.51	22/09/2010	14.49	Over Voltage
Wardha - Akola - I	21/09/2010	17.45		Continued.	Interchange
Kolhapur - Mapusa - II	22/09/2010	22.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur - Borivali	22/09/2010	12.43	22/09/2010	12.51	Distance Protection, B Ph to Earth.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintenance Work.
Newkoyna - Jaigad - I	20/09/2010	08.00		Continued.	Coupling of 400KV GIS Stage-II with Stage-I
Karad - Kolhapur - II	21/09/2010	10.26	22/09/2010	11.37	LA Replacement , ready for charging
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.
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/6.6 KV Stn Tr - II @ K'Kheda	06/09/2010	08.58		Continued.	Annual Maint.of Bay
BBLSR-Waluj	20/09/2010	08.00	22/09/2010	13.18	Insulator replacement
220/100KV 200 MVA ICT-I @ Padgha	21/09/2010	08.31	22/09/2010	19.10	L V Side Bushing Replacement.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	22/09/2010	14.10	22/09/2010	14.55	Attending Oil Leakage from Radiators.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Karad-Lamboti	21/09/2010	22.44	22/09/2010	08.33	Over Voltage
Lonikand- Koyna Stage IV	21/09/2010	23.14	22/09/2010	08.29	Over Voltage
Karad-Lamboti	22/09/2010	21.45		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	22/09/2010	22.02		Continued.	Over Voltage.
Chandrapur - Parli - II	23/09/2010	01.49		Continued.	Over Voltage.
Bablsr-Padgha Ckt I	23/09/2010	02.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari-Wardha	21/09/2010	19.01	22/09/2010	07.15	To control Koradi ICT Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	06/09/2010	22.45		Continued.	Over Voltage
Karad - Kolhapur - II	22/09/2010	18.03		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Tripped on Diff.Prot.CTR system operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2010

Position as on 6.30 Hrs of 23/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Pawas	22/09/2010	11.49	22/09/2010	12.26	Distance Protection, B Ph Zone-1.
Kandalgaon - Dasturi	22/09/2010	14.50	22/09/2010	15.15	Tripped @ Kandalgaon End B Ph to Earth.
Lote - Dasturi	22/09/2010	14.50	22/09/2010	15.10	Tripped @ Lote End,B Ph to Earth.
220/132 KV 200 MVA ICT - I @ Kalmeshwar	22/09/2010	21.12	22/09/2010	21.53	H V & L V Backup Protection Opeared,Main Bkr Problem.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Achalpur	22/09/2010	02.17	22/09/2010	02.39	Distance Protection Operated Z-I Bkr Problem.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	30
Unit 3	105	60
Unit 4	105	0
Unit 5	200	135
Unit 6	210	120
Unit 7	210	110
	1040	455
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	100
	478	200
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	140
Unit 5	210	107
Unit 6	250	161
Unit 7	250	107
	1190	515
Chandrapur		
Unit 1	210	120
Unit 2	210	40
Unit 3	210	150
Unit 4	210	0
Unit 5	500	280
Unit 6	500	300
Unit 7	500	350
	2340	1240
Paras		
Unit 2	55	40
Unit 3	250	140
Unit 4	250	130
	555	310
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	140
Unit 4	210	148
	840	478
Nasik		
Unit 1	120	80
Unit 2	120	0
Unit 3	210	160
Unit 4	210	0
Unit 5	210	160
	870	400
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	162
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1535
	960	1535
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	4025
	3143	4025