



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Sep/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.523	2480.658	1) Madhya Pradesh	60.481	1199.606
2) Hydro	14.724	158.929	2) Gujrat	13.295	480.753
3) Gas	14.440	338.618	3) Goa	-6.100	-133.565
Total MSGENCO	145.687	2978.205	4) TAPS 1&2 (Inj.)	7.215	166.743
B) OTHERS			5) Pench (Excess)	-0.616	-6.903
1) RGPPL Gas	22.872	518.920	# Total Cent. Sector	74.275	1706.634
2) Wind Generation	4.333	166.211	F) Other Exchanges		
3) PENCH (MS)	1.115	14.097	1) With TPCL	-10.939	-153.361
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.834	643.910	1) MSEDCL Bilateral	5.778	121.103
2) TPCL Hydro	3.491	73.043	Include PX	0.000	2.941
TOTAL TPCL	30.325	716.953	2) MUMBAI Bilateral	9.348	167.090
3) REL Thermal	12.584	290.171	Include PX	2.232	10.365
D) STATE			3) MUMBAI Schedule	11.923	171.490
1) Thermal (A1+C1+C3)	155.941	3414.739	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.330	246.069	1) MSEDCL	237.343	5230.706
3) Gas (A3+B1)	37.312	857.538	2) TPCL	35.713	766.158
4) Wind (B2)	4.333	166.211	3) REL	18.137	394.250
TOTAL STATE	216.916	4684.557	TOTAL STATE	291.193	6391.114

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4883	4759	5061
MSGENCO Hydro	917	1419	58
MSGENCO Gas	578	594	633
MSGENCO Total Generation	6378	6772	5752
Central Sector Receipt	3417	3377	2443
RGPPL	941	955	963
WIND	101	175	170
Exchange with TPCL	-690	-755	6
MSEDCL DEMAND MET	10200	10577	9367
Load Shedding	2646	3216	1382
MSEDCL DEMAND (INCL. LS)	12846	13793	10749
TPCL GENERATION	1512	1383	1042
REL GENERATION	525	521	525
TPCL+REL DEMAND	2727	2659	1561
STATE DEMAND MET	12927	13236	10928
STATE DEMAND (INCL. LS)	15573	16452	12310
Frequency (Hz)	49.09	49.20	49.68
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3779 MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			56.04 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.93 Hz at 06.05 Hrs	48.75 Hz at 18.42 Hrs	49.25	17.08 % of Time

* 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 23/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.34	1.82	62	49	50
Unit 2	1.48	30.34	72	25	65
Unit 3	1.68	27.98	83	47	80
Unit 4	1.63	32.25	81	33	75
Unit 5	3.15	46.66	145	102	140
Unit 6	3.36	70.17	151	130	110
Unit 7	3.28	55.35	160	102	135
	15.92	264.57			655
Bhusawal					
Unit 1	1.24	23.01	57	43	50
Unit 2	0.00	5.17	0	0	0
Unit 3	4.62	96.04	196	190	190
	5.86	124.22			240
Parli					
Unit 1	0.58	13.22	26	21	20
Unit 2	0.49	13.12	24	0	20
Unit 3	2.99	86.07	166	94	120
Unit 4	3.63	79.00	200	129	170
Unit 5	4.01	89.86	175	160	170
Unit 6	5.11	99.67	230	173	220
	16.80	380.95			720
Chandrapur					
Unit 1	3.57	82.28	158	137	170
Unit 2	0.00	13.65	0	0	0
Unit 3	3.20	76.51	162	88	160
Unit 4	4.33	102.54	200	134	200
Unit 5	9.12	192.30	428	324	450
Unit 6	8.95	184.98	400	336	400
Unit 7	9.05	191.73	422	312	440
	38.21	844.00			1820
Paras					
Unit 2	0.48	9.94	22	18	20
Unit 3	4.97	95.85	222	200	200
	5.44	105.79			220
Khaparkheda					
Unit 1	4.85	106.85	210	194	200
Unit 2	4.31	102.12	195	134	190
Unit 3	4.94	98.18	212	193	210
Unit 4	5.04	112.79	214	206	210
	19.14	419.95			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.10	46.84	95	60	95
Unit 3	4.34	91.39	199	137	190
Unit 4	4.36	104.00	185	178	190
Unit 5	4.36	98.95	200	169	185
	15.15	341.18			660
Uran					
All Units	14.44	338.62	633	569	600
	14.44	338.62			600
Koyna					
Stage 1-2	3.33	37.09	420	40	600
Stage 4	7.72	57.92	831	0	250
Koyna 12&4 Total	11.04	95.01			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.60	27.79	314	0	320
	13.64	122.80			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.40	9.51	60	0	60
BHTGR/VEER	0.04	7.69	4	0	4
BHIRA T.R.	0.26	8.04	42	0	40
RNGR+BHTSA	0.34	2.97	17	2	15
BHANDARDRA	0.00	0.33	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.18	0	0	0
GHATGHAR	0.03	5.67	33	0	0
	1.08	36.13			119
PENCH (MS)					
Pench (MS)	1.12	14.10	53	0	
	1.12	14.10			
Wind					
MalharPeth	0.10	5.84			
Vankuswadi	0.35	13.33			
ATIT	0.07	2.96			
Kale	0.01	1.32			
Satara	0.11	6.40			
Shirala	0.11	4.07			
K Mahankal	0.20	6.50			
Supa	0.05	2.19			
Vita	0.63	23.48			
Dondaicha	1.80	65.16			
Sakri	0.26	10.85			
Nandurbar	0.35	9.13			
Khadakale	0.25	7.15			
Khaparale	0.03	7.83			
	4.33	166.21			
Dabhol					
RGPP L II	22.87	518.92	963	934	910
RGPP L III	0.00	0.00			
	22.87	518.92			910
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.07	254.62	505	470	500
Trombay 6	7.53	244.28	510	0	500
Trombay 7A	2.75	52.77	119	107	120
Trombay 7B	1.57	17.87	68	63	60
Trombay 8	2.91	74.36	126	114	120
TATA Hydro	3.49	73.04	327	0	447
	30.32	716.95			1747
REL					
1&2	12.58	290.17	527	521	500
	12.58	290.17			500
Cent Sect					
Share					3497
					3497

MS PG CL	Thermal	116.52	2480.66		5125
	Thml+Gas	130.96	2819.28		5725
	Hydro	14.72	158.93		1289
	Total	145.69	2978.20		7014
State Total		216.92	4684.56		13668

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Sep/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	5042	69	616	5727	959	231	3062	2801	-89	-48	9723	1449	11172	1833	13005	49.28
2	5044	63	617	5724	961	193	2952	2547	-30	16	9494	1467	10961	1655	12616	49.29
3	5033	58	626	5717	963	218	2953	2534	-30	9	9494	1318	10812	1609	12421	49.58
4	5061	58	633	5752	963	170	2965	2443	-30	6	9367	1382	10749	1561	12310	49.68
5	5032	58	625	5715	961	186	3001	2645	-30	7	9541	1391	10932	1542	12474	49.34
6	5000	186	621	5807	961	195	3031	2800	-30	11	9801	1677	11478	1586	13064	49.25
7	4949	133	622	5704	961	198	2890	2430	9	3	9328	2428	11756	1741	13497	49.25
8	4956	114	629	5699	960	212	2901	2988	-30	32	9944	2187	12131	1860	13991	49.46
9	4935	153	624	5712	958	225	2919	2968	-44	-12	9904	2559	12463	2098	14561	49.42
10	4887	146	618	5651	956	162	3349	3179	-494	-472	9529	2873	12402	2474	14876	49.48
11	4905	381	595	5881	948	106	3480	3434	-635	-628	9794	2852	12646	2650	15296	49.27
12	4883	917	578	6378	941	101	3525	3417	-683	-690	10200	2646	12846	2727	15573	49.09
13	4786	1031	572	6389	941	77	3499	3415	-882	-809	10066	2559	12625	2640	15265	49.09
14	4768	1208	579	6555	946	105	3505	3338	-1080	-1035	9962	2648	12610	2687	15297	49.24
15	4784	1116	569	6469	934	121	3575	3392	-1152	-1108	9861	2917	12778	2771	15549	49.06
16	4661	834	579	6074	942	141	3575	3495	-1152	-1106	9599	3112	12711	2771	15482	49.24
17	4629	771	578	5978	942	281	3555	3412	-1131	-1079	9587	2932	12519	2765	15284	49.16
18	4716	967	576	6259	942	227	3394	3243	-896	-858	9813	2527	12340	2714	15054	48.99
19	4721	1579	583	6883	948	242	3271	3249	-733	-673	10691	3030	13721	2504	16225	49.03
20	4759	1419	594	6772	955	175	3547	3377	-803	-755	10577	3216	13793	2659	16452	49.20
21	4827	1034	594	6455	955	194	3458	3333	-583	-531	10459	2574	13033	2410	15443	49.12
22	4770	1036	600	6406	957	227	3455	3289	-569	-523	10409	2603	13012	2362	15374	49.07
23	4667	837	601	6105	958	176	3394	3269	-440	-364	10197	2292	12489	2164	14653	49.06
24	4705	556	611	5872	960	170	3417	3283	-389	-332	10006	1637	11643	2065	13708	49.31
MUs	116.52	14.72	14.44	145.68	22.87	4.33	78.67	74.28	-11.92	-10.94	237.35	56.28	293.62	53.85	347.47	49.25

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 23/Sep/2009

Position as on 6.30 Hrs of 24/Sep/2009

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)	31/03/2010
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	07/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	A.O.H.	30/09/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	A O H.	25/09/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koyna ST-IV 2	250	18/09/2009	09:00		Continued.	Maint.Work.	25/09/2009
Cent_Sect NTPC(K-3)	210	22/09/2009	21.54	23/09/2009	03.39	Flame Failure.	
Tata Trombay 6	500	23/09/2009	12.35	23/09/2009	16.27	Generator T/F Diff.	
Parli Unit 2	30	23/09/2009	22.33		Continued.	Boiler Tube Leakage	26/09/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2009

Position as on 6.30 Hrs of 24/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Kolhapur-Mapusa-II	23/09/2009	02.19	23/09/2009	09.24	H/T For O/V.
Kolhapur-Mapusa Ckt I	23/09/2009	23.51		Continued.	H/T for O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Chikodi	23/09/2009	15.20	23/09/2009	17.10	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
M.Bus.I at 400 KV Akola	23/09/2009	09.30		Continued.	Rectification work on PIR of main CB
New Koyna - Dabhol - II	23/09/2009	10.00	23/09/2009	11.10	Taken on TBC, For SF6 filling
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
Kolhapur-Sawantwadi	19/09/2009	12:20		Continued.	Breaker over houling, Line on TBC
Bale-Murud	21/09/2009	09.50		Continued.	Replacement of C.T.
Apta-Nagothane	22/09/2009	09.00	23/09/2009	00.40	Repl.of Main Bus Conductor of Bus-Sec-I
Apta-Uran-III	22/09/2009	09.12	23/09/2009	00.43	Repl.of Main Bus Conductor Of Bus-Sec-I
Apta - Taloja	22/09/2009	09.26	23/09/2009	00.47	repl.of Main Bus Conductor of Bus-Sec-I.
220/100 KV,200 MVA ICT-II at Apta	22/09/2009	09.28	23/09/2009	02.01	Repl.of Main Bus Conductor of Bus-Sec-I.
Apta-Uran-IV	22/09/2009	09.38	23/09/2009	00.45	Repl.Of Main Bus Conductor Of Bus-Sec-I
Bus-Section-I at Apta	22/09/2009	09.43	23/09/2009	00.40	Repl.of Main Bus Conductor of Bus-Sec I.
Bus-Coupler at Apta	22/09/2009	09.43	23/09/2009	01.00	Repl.of Main Bus Conductor of Bus-Sec-I.
Karad - Ogalewadi - II	23/09/2009	08.35	23/09/2009	15.52	Insulator replacement
Warora-Wardha	23/09/2009	08.47	23/09/2009	19.07	Stringing work of WPCPL - Warora D/C line
Warora-Hinganghat	23/09/2009	09.13	23/09/2009	19.10	Stringing work of WPCPL-Warora D/C line
Main Bus-II at Kharghar	23/09/2009	10.02	23/09/2009	21.20	Testing work
220 KV Main Bus at Warora	23/09/2009	10.09	23/09/2009	16.54	Replacement of Conductor
220/132KV, 150MVA ICT at Bale	23/09/2009	13.35	23/09/2009	15.50	R.M.Work
Century Enka - Khadki	23/09/2009	15.24	23/09/2009	18.24	Retrofitting work
Jejuri-Phursungi	24/09/2009	01.45		Continued.	Retrofitting of P442 relay
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
STG IV-New Koyna-II	23/09/2009	20.00	23/09/2009	20.26	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Pophali	22/09/2009	12.14	23/09/2009	12.00	Distance Protection

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2009

Position as on 6.30 Hrs of 24/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Jindal-Ghatghar	23/09/2009	02.30	23/09/2009	03.35	Dist.Prot.Y-E.
Washala-Ghatghar	23/09/2009	02.30	23/09/2009	03.42	Dist.Prot.R-E.
200/100KV, 100MVA ICT-I at Taloja	23/09/2009	14.28	23/09/2009	16.40	PRV Operated
Khaparkheda - Kanhan - II	23/09/2009	16.32	23/09/2009	23.28	Distance Protection
Jindal-Ghatghar	23/09/2009	17.04	23/09/2009	18.01	Distance Protection
Washala-Ghatghar	23/09/2009	17.04	23/09/2009	18.11	Distance Protection
Nasik-Padgha- II	23/09/2009	17.06	23/09/2009	17.36	Distance Protection
Kalwa-Ghatghar	23/09/2009	17.07	23/09/2009	18.03	Distance Protection
Talangade - Mumewadi	23/09/2009	17.49	23/09/2009	18.26	Tripped,Breaker problem
N.Koyna-Phinolex	23/09/2009	17.50	23/09/2009	18.38	Distance Protection
Sonkar - Nerul	23/09/2009	19.58	23/09/2009	21.06	Tripped at Sonkar end only
Kalwa-C'chem	23/09/2009	20.00	23/09/2009	22.59	Distance Prot.taken on TBC at Kalwa end
Bablswr-Ranjangaon	23/09/2009	21.02	23/09/2009	21.35	Distance Protection
Kalwa-Ghatghar	23/09/2009	21.10	23/09/2009	21.49	Distance Protection
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Standard	23/09/2009	17.51	23/09/2009	22.33	Distance Protection
Kalwa-Mukund I	23/09/2009	20.58	24/09/2009	03.45	Conductor snapped at Kalwa end
Kalwa - Salsette - II	23/09/2009	20.58		Continued.	Tripped, Declared faulty

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	50
Unit 4	105	50
Unit 5	200	130
Unit 6	210	120
Unit 7	210	120
	1040	570
Bhusawal		
Unit 1	58	55
Unit 2	210	0
Unit 3	210	190
	478	245
Parli		
Unit 1	30	20
Unit 2	30	0
Unit 3	210	170
Unit 4	210	150
Unit 5	210	165
Unit 6	250	220
	940	725
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	140
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	425
	2340	1725
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	180
	870	650
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	121
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	960	915
RGPL III	740	0
	1700	915
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	100
Trombay 8	250	100
TATA Hydro	444	447
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3536
	3143	3536