



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Aug/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.935	2712.303	1) Madhya Pradesh	38.091	1144.893
2) Hydro	4.131	437.205	2) Gujrat	24.702	522.062
3) Gas	15.714	379.018	3) Goa	-5.545	-142.578
Total MSGENCO	119.780	3528.526	4) TAPS 1&2 (Inj.)	7.317	187.049
B) OTHERS			5) Pench (Excess)	-0.960	-16.486
1) RGPPL Gas	22.690	581.875	# Total Cent. Sector	63.605	1694.940
2) Wind Generation	17.454	327.537	F) Other Exchanges		
3) PENCH (MS)	0.960	17.460	1) With TPCL	-3.543	-80.245
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.955	781.991	1) MSEDCL Bilateral	5.200	104.547
2) TPCL Hydro	4.942	104.229	Include PX	0.000	8.661
TOTAL TPCL	34.897	886.220	2) MUMBAI Bilateral	4.169	102.410
3) REL Thermal	12.663	314.721	Include PX	0.000	10.858
D) STATE			3) MUMBAI Schedule	4.169	105.846
1) Thermal (A1+C1+C3)	142.553	3809.015	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.033	558.894	1) MSEDCL	220.946	6070.093
3) Gas (A3+B1)	38.404	960.893	2) TPCL	33.953	845.551
4) Wind (B2)	17.454	327.537	3) REL	17.149	435.850
TOTAL STATE	208.444	5656.339	TOTAL STATE	272.048	7351.494

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4236	4366	3761
MSGENCO Hydro	186	539	93
MSGENCO Gas	674	643	658
MSGENCO Total Generation	5096	5548	4512
Central Sector Receipt	2761	3070	2422
RGPPL	946	940	947
WIND	924	604	549
Exchange with TPCL	-334	-196	52
MSEDCL DEMAND MET	9419	10016	8532
Load Shedding	106	1820	786
MSEDCL DEMAND (INCL. LS)	9525	11836	9318
TPCL GENERATION	1646	1757	1014
REL GENERATION	528	526	525
TPCL+REL DEMAND	2508	2479	1487
STATE DEMAND MET	11927	12495	10019
STATE DEMAND (INCL. LS)	12033	14315	10805
Frequency (Hz)	49.61	49.23	49.55
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1650 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4.52 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.19 Hz at 08.03 Hrs	48.78 Hz at 19.07 Hrs	49.48	2.38 % 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 26/Aug/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.11	35.85	73	22	50
Unit 3	0.02	32.84	19	0	0
Unit 4	1.16	37.16	78	16	30
Unit 5	2.54	76.04	142	60	100
Unit 6	2.23	78.47	119	35	100
Unit 7	2.35	29.06	130	46	120
	9.42	289.41			400
Bhusawal					
Unit 1	1.15	28.93	54	42	50
Unit 2	3.12	78.61	149	87	150
Unit 3	4.02	112.25	187	128	160
	8.28	219.79			360
Parli					
Unit 1	0.58	13.71	25	22	20
Unit 2	0.57	14.31	26	22	20
Unit 3	3.18	107.81	176	0	135
Unit 4	0.00	0.00	0	0	0
Unit 5	3.73	106.16	165	155	170
Unit 6	4.95	105.94	231	156	200
	13.02	347.94			545
Chandrapur					
Unit 1	3.57	85.68	156	123	160
Unit 2	2.68	80.89	118	106	100
Unit 3	3.27	107.14	187	54	160
Unit 4	3.75	115.52	193	122	195
Unit 5	7.61	232.75	392	264	400
Unit 6	7.00	229.10	335	245	250
Unit 7	6.43	30.36	315	224	250
	34.32	881.44			1515
Paras					
Unit 2	1.01	17.87	46	32	50
Unit 3	4.75	100.76	220	170	200
	5.76	118.63			250
Khaparkheda					
Unit 1	4.76	112.92	205	188	200
Unit 2	4.53	117.01	200	169	190
Unit 3	4.93	128.44	215	181	210
Unit 4	4.46	120.98	212	162	210
	18.68	479.35			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.24	39.86	80	25	65
Unit 3	4.62	119.96	207	170	187
Unit 4	4.60	110.60	201	180	178
Unit 5	0.00	105.34	0	0	0
	10.46	375.75			430
Uran					
All Units	15.71	379.02	684	637	630
	15.71	379.02			630
Koyna					
Stage 1-2	1.28	81.84	130	40	600
Stage 4	0.31	232.64	232	0	250
Koyna 12&4 Total	1.59	314.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.86	73.85	236	0	240
	2.46	388.32			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.43	0	0	0
TILLARI	0.48	15.36	60	0	60
BHTGR/VEER	0.38	7.71	16	16	18
BHIRA T.R.	0.35	9.02	41	0	80
RNGR+BHTSA	0.41	6.75	17	17	12
BHANDARDRA	0.00	2.47	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.14	10	0	0
GHATGHAR	0.00	6.58	0	0	0
	1.67	48.88			170
PENCH (MS)					
Pench (MS)	0.96	17.46	53	26	0
	0.96	17.46			0
Wind					
MalharPeth	0.66	14.04			
Vankuswadi	1.52	30.80			
ATIT	0.27	7.48			
Kale	0.11	8.68			
Satara	2.31	22.26			
Shirala	0.40	9.70			
K Mahankal	0.07	10.30			
Supa	0.28	4.84			
Vita	2.59	49.26			
Dondaicha	5.64	106.22			
Sakri	0.94	20.26			
Nandurbar	0.76	12.77			
Khadakale	1.14	19.03			
Khaparale	0.76	11.90			
	17.45	327.54			
Dabhol					
RGPP L II	22.69	581.88	954	939	906
RGPP L III	0.00	0.00	0	0	0
	22.69	581.88			906
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	314.11	505	505	500
Trombay 6	10.63	275.94	510	200	500
Trombay 7A	1.83	61.76	89	70	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.37	130.18	227	220	220
TATA Hydro	4.94	104.23	448	0	447
	34.90	886.22			1787
REL					
1&2	12.66	314.72	533	524	500
	12.66	314.72			500
Cent Sect					
Share					2845
					2845

MS PG CL	Thermal	99.94	2712.30		4310
	Thml+Gas	115.65	3091.32		4940
	Hydro	4.13	437.20		1260
	Total	119.78	3528.53		6200
State Total		208.44	5656.34		12238

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Aug/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	3849	78	650	4577	947	475	2931	2696	13	51	8799	820	9619	1742	11361	49.38
2	3870	73	651	4594	946	503	2909	2559	13	51	8704	826	9530	1592	11122	49.30
3	3761	93	658	4512	947	549	2910	2422	13	52	8532	786	9318	1487	10805	49.55
4	3909	78	656	4643	949	627	2913	2227	13	55	8551	891	9442	1493	10935	49.53
5	4030	88	656	4774	949	715	2914	2200	13	53	8741	865	9606	1490	11096	49.56
6	4159	73	655	4887	948	784	2926	2347	0	39	9055	918	9973	1563	11536	49.46
7	4207	73	656	4936	954	872	2879	1967	0	39	8818	835	9653	1705	11358	49.58
8	4350	92	653	5095	954	870	2931	2258	0	37	9264	106	9370	1778	11148	49.64
9	4376	179	684	5239	949	884	2923	2293	4	45	9437	106	9543	1972	11515	49.81
10	4382	183	677	5242	945	920	3240	2623	-367	-333	9424	106	9530	2318	11848	49.55
11	4236	186	674	5096	946	924	3240	2761	-367	-334	9419	106	9525	2508	12033	49.61
12	4163	192	662	5017	945	855	3235	2665	-367	-336	9173	106	9279	2557	11836	49.45
13	4112	153	651	4916	942	824	3231	2841	-367	-358	9191	106	9297	2532	11829	49.39
14	4113	150	650	4913	946	782	3231	2871	-367	-356	9183	342	9525	2488	12013	49.48
15	4104	78	642	4824	946	806	3230	2756	-367	-357	9001	395	9396	2516	11912	49.40
16	4102	83	639	4824	942	1010	3229	2794	-367	-358	9239	106	9345	2535	11880	49.43
17	4156	78	647	4881	946	732	3236	2955	-367	-358	9182	106	9288	2539	11827	49.71
18	4188	160	637	4985	940	747	3093	2982	-321	-309	9372	419	9791	2495	12286	49.36
19	4277	180	654	5111	943	627	2883	2526	-119	-134	9113	1829	10942	2404	13346	49.61
20	4366	539	643	5548	940	604	3046	3070	-173	-196	10016	1820	11836	2479	14315	49.23
21	4257	722	648	5627	944	591	3048	3112	-173	-167	10157	1553	11710	2415	14125	49.30
22	4350	357	653	5360	942	635	3048	3008	-173	-126	9869	1556	11425	2312	13737	49.34
23	4347	129	656	5132	939	580	3055	3011	-191	-143	9569	1356	10925	2177	13102	49.39
24	4271	114	662	5047	941	538	3144	2661	-154	-100	9137	1006	10143	2006	12149	49.55
MUs	99.94	4.13	15.71	119.78	22.69	17.45	73.42	63.61	-4.17	-3.54	220.95	17.06	238.01	51.10	289.11	49.48

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 26/Aug/2009

Position as on 6.30 Hrs of 27/Aug/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
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	03/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	31/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	31/08/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
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	
Parli Unit 3	210	25/08/2009	21.34	26/08/2009	03.31	Stator Earth Fault	
Koradi Unit 3	105	26/08/2009	01.13		Continued.	Generator Rotor E/F	29/08/2009
Paras Unit 3	250	27/08/2009	06.11	27/08/2009	08.52	Low Furnance Pressure	
Parli Unit 5	210	27/08/2009	15.58	27/08/2009	18.45	Ttip on Generator protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Aug/2009

Position as on 6.30 Hrs of 27/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa I	22/08/2009	07.46		Continued.	Stringing Work.
Seoni - Wardha	27/08/2009	11.57	27/08/2009	13.21	Line taken in service.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	09/07/2009	06:32	27/08/2009	11.57	H/T FOR O/V
Kolhapur-Mapusa Ckt I	26/08/2009	00.11	26/08/2009	07.46	Over Voltage
Dhule-S'Sarovar I	26/08/2009	02.20	26/08/2009	09.31	Over Voltage
Kolhapur-Mapusa-II	26/08/2009	23.41	27/08/2009	08.51	H/T for Over voltage
Dhule-Sar'Sarovar II	27/08/2009	01.08	27/08/2009	19.48	H/T Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Koradi-Satpur	27/08/2009	16.18	27/08/2009	17.25	Bus fault at Satpur end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Koradi	26/08/2009	10.04	26/08/2009	17.40	Q.M.work
Parli - Lamboti	26/08/2009	11.41	26/08/2009	18.38	Testing work
Lonikand-Jejuri	27/08/2009	09.04	27/08/2009	16.35	Q/M work.
Karad-Lonikhand	27/08/2009	11.04	27/08/2009	15.39	Erection of New I S O.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.BREAKER ON TBC AT OGLEWADI.
Pophali-K'gaon	26/08/2009	08.35	26/08/2009	17.55	Line Maint.work
Lonand - Baramati	26/08/2009	09.15	26/08/2009	13.15	Insulator replacement
New Parly - Beed - I	26/08/2009	10.30	26/08/2009	14.10	Q.M.work
220/132 KV,100MVA ICT-I at Beed	26/08/2009	10.30	26/08/2009	14.10	Q.M.Work
Kandalgaon-Bhira	26/08/2009	14.15	26/08/2009	18.30	Testing work
Kandalgaon-Lonand	26/08/2009	16.04		Continued.	Line on TBC at Lonand end(CB Prob)
220/100KV 100MVA T/F at K'gaon	27/08/2009	09.45	27/08/2009	17.55	Testing work.
Phursungi - Parvati	27/08/2009	10.21	27/08/2009	13.24	For Jejuri outage.
Phursungi - Jejuri	27/08/2009	10.30	27/08/2009	14.00	Insulator replacement.
Vita-Maisal	27/08/2009	10.40	27/08/2009	18.20	Insulator replacement.
220/132,100 MVA ICT-2 @ Malegaon.	27/08/2009	19:07		Continued.	Replacement of EMCO make old ICT by new GCL make ICT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malegaon-Manmad	21/08/2009	13:32		Continued.	ICT -II Problem at 220 Kv Malegaon.
Malegaon- Malegaon-I	27/08/2009	15:55		Continued.	ICT -II on outage at 220Kv Malegaon.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV,100MVA ICT-II at Chikhali	26/08/2009	10.42	26/08/2009	11.14	To attend Red Hot on LV side'R'C.T STUD
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	27/08/2009	09.07		Continued.	CKT H/T to load Akola ICT.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Aug/2009

Position as on 6.30 Hrs of 27/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonand - Jejuri	27/08/2009	09.42	27/08/2009	13.30	"Y" Phase wave trap red-hot.
Karad-Pedambe	27/08/2009	16.05	27/08/2009	19.25	Bus changed.
Wardha--Dhamangaon	27/08/2009	18:18		Continued.	H/T to load Akola ICT
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	18/08/2009	17.35	26/08/2009	15.00	C.B.Problem , Taken on TBC
220/66KV T/F at SICOM	25/08/2009	18.45	26/08/2009	16.12	Tripped on Diff.prot.
220/100KV 125 MVA ICT-II at Kalwa	26/08/2009	06.25	26/08/2009	09.23	Trip without Indication
Koradi-Ambazari ckt - II	26/08/2009	10.36	27/08/2009	15.05	CKT taken on TBC for isolator replacement work.(3 Days)
KANHAN - BHANDARA CKT II	27/08/2009	19.48	27/08/2009	20.03	Tripped on distance protection, tripped at Bhandara end only.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Kardha	27/08/2009	10.56	27/08/2009	11.13	Transient tripping.
Bhandara-Tekepar	27/08/2009	10.56	27/08/2009	12.25	Transient tripping.
KARDHA - TEKEPAR CKT	27/08/2009	10.56	27/08/2009	13.30	CKT tripped at Tekepar end.
Nanded - Umri	27/08/2009	14.45	27/08/2009	17.45	CKT taken on TBC due to Main breaker problem. Tripping relay problem.
Kanhan - Mankapur.	27/08/2009	20.58	27/08/2009	21.22	Tripped on backup protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	0
Unit 4	105	50
Unit 5	200	140
Unit 6	210	0
Unit 7	210	130
	1040	390
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	180
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	0
Unit 5	210	150
Unit 6	250	230
	940	600
Chandrapur		
Unit 1	210	150
Unit 2	210	105
Unit 3	210	100
Unit 4	210	195
Unit 5	500	400
Unit 6	500	425
Unit 7	500	300
	2340	1675
Paras		
Unit 2	55	40
Unit 3	250	180
	305	220
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	0
Unit 2	120	70
Unit 3	210	180
Unit 4	210	180
Unit 5	210	0
	870	430
Uran		
All Units	852	640
	852	640
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	133
PENCH (MS)		
Pench (MS)	53	
	53	
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	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1787
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2936
	3143	2936