



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jul/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.360	2460.723	1) Gujrat	5.885	18.727
2) Hydro	8.130	248.052	2) Madhya Pradesh	9.592	354.898
3) Gas	7.136	247.600	3) Chattisgarh	10.560	289.230
Total MSGENCO	95.626	2956.375	4) Maharashtra	47.417	1285.711
B) OTHERS			5) Goa	-5.832	-151.089
1) JSW JAIGAD	29.017	699.614	6) TAPS 1&2 Injection	3.940	152.627
2) WPCL	10.156	244.441	7) RGPPL Injection	21.039	464.711
3) Other CPP / IPP	7.557	157.524	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	30.765	553.985	# Total Cent. Sector	92.601	2412.977
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.128	-303.431
1) TPCL Thermal	28.705	711.045	G) Bilateral Power *		
2) TPCL Hydro	2.937	95.676	1) MSEDCL Bilateral	27.552	671.763
TOTAL TPCL	31.642	806.721	Include PX	0.000	0.950
3) REL Thermal	12.601	325.235	2) MUMBAI Bilateral	15.439	350.326
D) STATE			Include PX	2.102	20.290
1) Thermal (A1+C1+C3)	121.666	3497.003	3) MUMBAI Schedule	16.690	357.351
2) Hydro (A2+B5+C2)	11.067	345.566	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.136	247.600	1) MSEDCL	252.594	6723.323
4) Wind (B4)	30.765	553.985	2) TPCL	38.626	963.678
5) CPP (B1+B2+B3)	46.730	1101.579	3) REL	18.744	471.767
TOTAL STATE	217.364	5745.733	TOTAL STATE	309.964	8158.768

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3323	3309	3360
MSGENCO Hydro	307	864	208
MSGENCO Gas	303	284	294
MSGENCO Total Generation	3933	4457	3862
Central Sector Receipt	4125	4094	3452
WIND	1379	1330	1139
CPP / IPP	1977	1942	1933
Exchange with Mumbai	-865	-520	-224
MSEDCL DEMAND MET	10549	11303	10162
Load Shedding	754	527	265
MSEDCL DEMAND	11303	11830	10427
TPCL GENERATION	1513	1614	1016
R-INFRA GENERATION	526	522	525
TPCL+R-INFRA DEMAND	2904	2656	1765
STATE DEMAND MET	13453	13959	11927
STATE DEMAND	14207	14486	12192
Frequency (Hz)	49.66	49.13	49.47

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 07.06 Hrs	48.79 Hz at 22.48 Hrs	49.54	10.73 % 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 26/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.13	65.51	110	0	0
Unit 6	0.00	49.70	0	0	0
Unit 7	3.37	89.03	150	120	135
Total	4.50	204.24			135
Bhusawal					
Unit 2	3.22	83.80	145	125	140
Unit 3	1.26	64.98	130	0	0
Unit 4	2.72	52.29	123	103	
Unit 5	0.00	0.00	0	0	
Total	7.20	201.06			140
Parli					
Unit 3	0.46	58.56	126	0	0
Unit 4	2.80	83.15	172	83	100
Unit 5	3.12	85.86	158	106	125
Unit 6	3.96	54.50	186	139	165
Unit 7	0.00	40.36	0	0	0
Total	10.34	322.43			390
Chandrapur					
Unit 1	2.99	75.49	141	109	120
Unit 2	2.75	80.39	132	83	120
Unit 3	3.36	97.20	155	122	140
Unit 4	3.56	105.68	177	134	160
Unit 5	6.82	208.80	325	230	275
Unit 6	0.00	186.91	0	0	0
Unit 7	6.46	175.78	284	237	250
Total	25.93	930.25			1065
Paras					
Unit 3	0.00	33.73	0	0	0
Unit 4	3.00	77.20	140	114	130
Total	3.00	110.93			130
Khaparkheda					
Unit 1	4.04	108.37	190	140	170
Unit 2	3.46	8.44	180	113	150
Unit 3	0.00	108.35	0	0	0
Unit 4	4.92	120.40	216	182	200
Unit 5	7.40	84.90	340	289	300
Total	19.81	430.45			820
Nasik					
Unit 3	4.95	108.96	220	200	210
Unit 4	4.62	115.51	206	177	200
Unit 5	0.00	36.90	0	0	0
Total	9.57	261.36			410
Uran					
All Units	7.14	247.60	307	282	290
Total	7.14	247.60			290
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	
Total	0.00	1.84			
Koyna					
Stage 1-2	2.24	79.30	325	40	530
Stage 4	2.61	74.62	493	0	250
Stage 3	2.36	50.88	160	0	160
Kovna 12&4 Total	4.86	153.92			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.22	204.80			940
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	13.23	0	0	29
TILLARI	0.33	4.61	61	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	9.30	41	0	41
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.12	3.60	5	5	5
ELDARY		0.00			0
SMLHY PTN	0.06	1.96	11	0	8
GHATGHAR	0.00	9.58	0	0	
Total	0.91	43.25			143
Wind					
MalharPeth	2.07	29.97			
Vankuswadi	2.63	46.03			
ATIT	0.37	8.70			
Kale	1.09	16.20			
Satara	2.34	56.85			
Shirala	1.31	18.58			
K Mahankal	1.47	41.47			
Supa	0.40	7.73			
Vita	3.62	83.20			
Dondaicha	10.45	155.49			
Sakri	1.35	22.38			
Nandurbar	0.91	14.92			
Khandke	1.27	29.80			
Khaparale	1.48	22.66			
Total	30.76	553.98			
CPP					
JSW JAIGAD	29.02	699.61	1219	1184	1100
WARDHA	10.16	244.44	436	382	430
Other CPPs	7.56	157.52			
Total	46.73	1101.58			1530
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	286.88	505	488	500
Trombay 6	9.67	194.02	505	248	500
Trombay 7A	1.11	54.64	111	0	0
Trombay 7B	0.01	29.68	14	0	0
Trombay 8	5.93	145.82	250	244	250
TATA Hydro	2.94	95.68	271	0	447
Total	31.64	806.72			1697
REL					
1&2	12.60	325.24	529	518	500
Total	12.60	325.24			500
Cent Sect					
Share					4500
Total					4500

MS PG CL	Thermal	80.36	2460.72			3090
	Thml+Gas	87.50	2708.32			3380
	Hydro	8.13	248.05			1083
	Total	95.63	2956.38			4463
State Total		217.36	5745.73			12690

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jul/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3379	435	295	4109	1265	1915	4056	3702	-525	-423	10568	216	10784	2043	12827	49.61
2	3406	228	292	3926	1131	1907	4002	3479	-447	-301	10142	251	10393	1855	12248	49.49
3	3360	208	294	3862	1139	1933	3951	3452	-399	-224	10162	265	10427	1765	12192	49.47
4	3321	205	294	3820	1239	1967	3893	3492	-370	-171	10347	261	10608	1717	12325	49.53
5	3240	172	295	3707	1244	1973	3893	3597	-379	-152	10369	277	10646	1717	12363	49.52
6	3202	145	307	3654	1228	1970	3907	3859	-394	-177	10534	390	10924	1788	12712	49.64
7	3265	338	305	3908	1142	1927	3952	3882	-424	-267	10592	776	11368	1888	13256	49.72
8	3305	210	300	3815	1125	1981	3905	3610	-527	-364	10167	1042	11209	2046	13255	49.99
9	3289	174	303	3766	1181	1985	3960	3819	-591	-550	10201	1053	11254	2333	13587	49.74
10	3285	249	302	3836	1298	1956	4200	4049	-843	-690	10449	864	11313	2675	13988	49.64
11	3335	469	303	4107	1198	1974	4297	4035	-1018	-853	10461	781	11242	2890	14132	49.55
12	3323	307	303	3933	1379	1977	4456	4125	-1150	-865	10549	754	11303	2904	14207	49.66
13	3350	245	303	3898	1344	1960	4337	3932	-1027	-870	10264	818	11082	2902	13984	49.64
14	3396	208	292	3896	1496	1952	4285	3749	-946	-732	10361	691	11052	2773	13825	49.76
15	3501	133	298	3932	1496	1950	4271	3814	-868	-762	10430	564	10994	2806	13800	49.57
16	3413	77	302	3792	1379	1950	4195	3863	-842	-750	10234	579	10813	2826	13639	49.61
17	3499	76	298	3873	1462	1933	4171	3923	-830	-784	10407	621	11028	2813	13841	49.64
18	3538	120	299	3957	1331	1951	4141	3824	-783	-793	10270	598	10868	2753	13621	49.64
19	3497	282	300	4079	1418	1897	4155	4024	-666	-603	10815	451	11266	2668	13934	49.57
20	3309	864	284	4457	1330	1942	4301	4094	-706	-520	11303	527	11830	2656	14486	49.13
21	3349	953	297	4599	1218	1963	4360	4181	-760	-564	11397	506	11903	2574	14477	49.33
22	3254	783	289	4326	1223	1964	4376	4172	-779	-545	11140	458	11598	2437	14035	49.31
23	3253	748	282	4283	1262	1905	4286	4017	-730	-596	10871	241	11112	2343	13455	48.95
24	3291	501	299	4091	1237	1898	4089	3907	-684	-572	10561	182	10743	2199	12942	49.27
MUs	80.36	8.13	7.14	95.63	30.76	46.73	99.44	92.60	-16.69	-13.13	252.59	13.17	265.76	57.37	323.13	49.54

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 26/Jul/2012

Position as on 6.30 Hrs of 27/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Tata Trombay 7B	60	19/07/2012	21.00	26/07/2012	23.33	Boiler Recertification & Gas Path Inspection.	26/07/2012
Tata Trombay 7A	120	19/07/2012	22.30	26/07/2012	13.04	Boiler Recertification & Gas Path Inspection.	26/07/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Bhusawal Unit 3	210	24/07/2012	02.28	26/07/2012	11.41	Flame failure.	
Khaparkheda Unit 3	210	24/07/2012	19.16		Continued.	Boiler Tube Leakage.	28/07/2012
Paras Unit 3	250	25/07/2012	03.23		Continued.	Flame Failure.	28/07/2012
Koyna Unit 9	80	25/07/2012	16.15		Continued.	Guidevang link break	27/07/2012
Uran Unit 5	108	25/07/2012	23.16		Continued.	Gas Shortage	
Uran Unit A0	120	25/07/2012	23.16		Continued.	Gas Shortage	
Dabhol 3B	230	26/07/2012	02.15	26/07/2012	04.39	Tripped	
Koradi Unit 5	200	26/07/2012	02.45		Continued.	Furnace pressure Low	29/07/2012
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	28/07/2012
Koyna Unit 3	75	26/07/2012	09.00		Continued.	Preventive maintenance work.	27/07/2012
Koradi Unit 5	200	26/07/2012	18.47		Continued.	Coal mill problem.	28/07/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2012

Position as on 6.30 Hrs of 27/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	26/07/2012	09.42	26/07/2012	15.47	Restranging of 400 KV Span between LOC. No 114 and 115.
Dhule-Sar'Sarovar - I	26/07/2012	10.32	27/07/2012	07.03	Attending oil leakage 'Y' phase breaker, ready for charging 18.49 hours.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		Continued.	Over Voltage.
Kolhapur - Mapusa - I	25/07/2012	16.20	26/07/2012	10.33	Over Voltage
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	27/07/2012	07.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	25/07/2012	00.09	26/07/2012	10.16	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
Karad-Lonikhand	25/07/2012	10.27	26/07/2012	09.56	Replacement of 'B' Bus P.G.Isolator.
400/220 KV 500 MVA ICT-I @ Jejuri	26/07/2012	00.18	26/07/2012	04.40	Isolator alignment and Maint.work
400/220KV 315MVA ICT-II @ Kalwa	26/07/2012	15.30	26/07/2012	18.34	Taken on TBC for replacement Jumper between 29 A & B Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
220/100KV 200MVA ICT-I at Kalwa	23/07/2012	14.18		Continued.	Isolator replacement.
Koradi-Ambazari-I	25/07/2012	09.55		Continued.	Measurement of Tan Delta of CT(ready for charging 17.03Hrs)
Lonikand--512 Khadki	26/07/2012	08.32	26/07/2012	17.22	Making LILO arrangement.
Nasik-Bablsr - I	26/07/2012	09.09	26/07/2012	20.57	SSN To DSN conversion and replacement of faulty disc insulator.
Bableshtar - Alephata	26/07/2012	09.23	26/07/2012	18.05	Replacement of insulator.
220/132 KV 200 MVA ICT @ Kawlewada	26/07/2012	11.00	26/07/2012	17.53	TAN Delta and capacitance measurement of R Y B CTS & CC.
220/132KV 100MVA ICT-II at Ranjangaon	26/07/2012	12.44	26/07/2012	14.07	Hot spot LV side 'R' Phase CT.
Apta-HOC	26/07/2012	13.42	26/07/2012	15.20	Maintenance work.
Lamboti-Bale-II	26/07/2012	14.14		Continued.	Replacement of jumper between 29 D isolator & CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2012

Position as on 6.30 Hrs of 27/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Khaparkheda - Kanhan - II	25/07/2012	16.30	26/07/2012	11.43	Over Voltage.
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Karad - Kolhapur - II	25/07/2012	08.38		Continued.	Without Indication
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Kardha	26/07/2012	16.10	26/07/2012	19.15	"R" Phase CC Burst.
Nanded - Narsi	26/07/2012	19.00	26/07/2012	19.08	Distance protection operated zone I 'B' Phase Auto Reclose lockout.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	160
	620	160
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	
Unit 5	500	
	1420	280
Parli		
Unit 3	210	0
Unit 4	210	125
Unit 5	210	117
Unit 6	250	145
Unit 7	250	0
	1130	387
Chandrapur		
Unit 1	210	120
Unit 2	210	140
Unit 3	210	150
Unit 4	210	150
Unit 5	500	275
Unit 6	500	0
Unit 7	500	250
	2340	1085
Paras		
Unit 3	250	0
Unit 4	250	130
	500	130
Khaparkheda		
Unit 1	210	200
Unit 2	210	170
Unit 3	210	0
Unit 4	210	210
Unit 5	500	300
	1340	880
Nasik		
Unit 3	210	210
Unit 4	210	195
Unit 5	210	0
	630	405
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	160
	1920	940
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	113
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	420
Other CPPs	0	
	1005	1520
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	4306
	3455	4306