



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jun/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.990	2414.525	1) Gujrat	3.167	143.686
2) Hydro	22.638	312.768	2) Madhya Pradesh	14.749	392.838
3) Gas	10.967	291.340	3) Chattisgarh	11.140	234.480
Total MSGENCO	132.595	3018.633	4) Maharashtra	53.601	1129.111
B) OTHERS			5) Goa	-6.015	-140.977
1) JSW JAIGAD	27.141	653.554	6) TAPS 1&2 Injection	7.559	174.637
2) WPCL	9.537	221.560	7) RGPPL Injection	17.667	474.834
3) Other CPP / IPP	6.016	163.673	8) Pench (Excess)	-0.128	-2.752
4) Wind Generation	24.600	485.098	# Total Cent. Sector	101.740	2405.857
5) PENCH (MS)	0.128	2.752	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.178	-307.444
1) TPCL Thermal	28.104	641.211	G) Bilateral Power *		
2) TPCL Hydro	6.004	125.504	1) MSEDCL Bilateral	30.141	664.278
TOTAL TPCL	34.108	766.715	Include PX	0.000	3.791
3) REL Thermal	6.707	282.765	2) MUMBAI Bilateral	14.366	354.663
D) STATE			Include PX	1.071	33.652
1) Thermal (A1+C1+C3)	133.801	3338.501	3) MUMBAI Schedule	19.592	359.890
2) Hydro (A2+B5+C2)	28.770	441.024	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.967	291.340	1) MSEDCL	283.579	6643.683
4) Wind (B4)	24.600	485.098	2) TPCL	39.582	900.413
5) CPP (B1+B2+B3)	42.694	1038.787	3) REL	19.351	456.332
TOTAL STATE	240.832	5594.750	TOTAL STATE	342.512	8000.428

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4051	3925	4198
MSGENCO Hydro	1752	1420	289
MSGENCO Gas	459	456	457
MSGENCO Total Generation	6262	5801	4944
Central Sector Receipt	4272	4081	3959
WIND	859	1170	1189
CPP / IPP	1872	1858	1512
Exchange with Mumbai	-820	-842	-577
MSEDCL DEMAND MET	12445	12068	11027
Load Shedding	676	657	239
MSEDCL DEMAND	13121	12725	11266
TPCL GENERATION	1785	1698	1124
R-INFRA GENERATION	259	260	260
TPCL+R-INFRA DEMAND	2864	2800	1961
STATE DEMAND MET	15309	14868	12988
STATE DEMAND	15985	15525	13227
Frequency (Hz)	49.58	49.76	49.76

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 08.06 Hrs	49.11 Hz at 22.04 Hrs	49.71	.49 % 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 23/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.77	62.75	130	105	120
Unit 6	3.65	73.36	172	114	165
Unit 7	0.94	56.47	130	0	0
Total	7.36	192.58			285
Bhusawal					
Unit 2	3.73	82.27	165	145	160
Unit 3	4.00	93.42	175	160	180
Unit 4	0.00	18.53	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.73	194.22			340
Parli					
Unit 3	2.80	89.17	132	89	127
Unit 4	2.64	5.28	126	43	120
Unit 5	2.74	82.28	120	97	120
Unit 6	1.99	96.82	151	0	145
Unit 7	3.55	64.91	181	115	115
Total	13.71	338.46			627
Chandrapur					
Unit 1	3.36	84.88	155	134	155
Unit 2	3.09	66.56	140	114	140
Unit 3	3.53	92.02	173	130	150
Unit 4	3.64	100.92	184	135	140
Unit 5	9.63	180.49	455	330	400
Unit 6	9.23	214.56	420	310	400
Unit 7	8.65	191.82	413	307	380
Total	41.14	931.25			1765
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	4.20	70.72	190	160	210
Unit 2	0.00	0.72	0	0	0
Unit 3	5.00	109.20	218	190	210
Unit 4	4.65	111.79	205	184	210
Unit 5	1.44	108.92	149	0	150
Total	15.29	401.35			780
Nasik					
Unit 3	5.04	104.08	220	195	210
Unit 4	4.35	92.61	199	150	210
Unit 5	4.38	90.93	190	174	190
Total	13.77	287.62			610
Uran					
All Units	10.97	291.34	465	450	450
Total	10.97	291.34			450
PENCH (MS)					
Pench (MS)	0.13	2.75	24	0	
Total	0.13	2.75			
Koyna					
Stage 1-2	6.76	98.16	530	40	600
Stage 4	9.82	108.33	838	0	250
Stage 3	3.74	47.55	240	0	240
Kovna 12&4 Total	16.58	206.49			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.32	254.04			1090
Hydro					
KDPH	0.45	7.40	27	14	14
VTRNA	1.08	16.40	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	7.30	82	0	80
RNGR+BHTSA	0.24	4.94	10	10	9
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.18	5.27	15	4	10
GHATGHAR	0.00	15.13	0	0	0
Total	2.31	58.73			173
Wind					
MalharPeth	1.08	19.12			
Vankuswadi	1.41	29.54			
ATIT	0.67	7.86			
Kale	0.36	10.82			
Satara	2.18	47.02			
Shirala	0.55	13.22			
K Mahankal	1.21	30.63			
Supa	0.37	7.08			
Vita	3.46	60.67			
Dondaicha	8.92	176.80			
Sakri	1.11	23.38			
Nandurbar	0.89	18.06			
Khandke	1.41	22.06			
Khaparale	0.98	18.83			
Total	24.60	485.10			
CPP					
JSW JAIGAD	27.14	653.55	1206	896	1100
WARDHA	9.54	221.56	438	370	410
Other CPPs	6.02	163.67			
Total	42.69	1038.79			1510
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.02	253.54	504	479	500
Trombay 6	5.72	149.06	376	155	500
Trombay 7A	2.79	65.91	123	99	120
Trombay 7B	1.56	36.54	68	59	60
Trombay 8	6.02	136.16	253	247	250
TATA Hydro	6.00	125.50	471	19	447
Total	34.11	766.72			1877
REL					
1&2	6.71	282.76	521	259	250
Total	6.71	282.76			250
Cent Sect					
Share					4564
Total					4564

MS PG CL	Thermal	98.99	2414.52			4407
	Thml+Gas	109.96	2705.86			4857
	Hydro	22.64	312.77			1263
	Total	132.60	3018.63			6120
State Total		240.83	5594.75			14321

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Jun/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	4054	842	451	5347	1178	1524	4406	4264	-766	-704	11632	144	11776	2420	14196	49.52
2	4089	654	451	5194	1153	1530	4237	3997	-715	-490	11407	218	11625	2128	13753	49.56
3	4081	498	458	5037	1134	1548	4150	4098	-749	-597	11225	230	11455	2044	13499	49.58
4	4198	289	457	4944	1189	1512	4151	3959	-719	-577	11027	239	11266	1961	13227	49.76
5	4263	323	458	5044	1009	1560	4120	4032	-694	-543	11102	248	11350	1917	13267	49.68
6	4231	622	458	5311	879	1711	4091	4101	-664	-536	11466	362	11828	1947	13775	49.71
7	4353	824	463	5640	899	1766	3805	3858	-663	-550	11613	738	12351	1932	14283	49.76
8	4357	750	462	5569	984	1807	3856	4053	-714	-546	11867	784	12651	1998	14649	49.88
9	4247	405	457	5109	1109	1804	3857	4253	-729	-674	11601	903	12504	2210	14714	49.96
10	4221	651	451	5323	1091	1805	3813	4728	-855	-795	12152	663	12815	2525	15340	49.88
11	4218	1347	463	6028	967	1817	3801	4290	-886	-844	12258	610	12868	2809	15677	49.78
12	4051	1752	459	6262	859	1872	3797	4272	-895	-820	12445	676	13121	2864	15985	49.58
13	4089	1535	459	6083	1049	1874	4190	4031	-904	-832	12205	758	12963	2879	15842	49.78
14	4087	1309	450	5846	977	1869	4163	4293	-877	-826	12159	676	12835	2813	15648	49.69
15	4132	1612	453	6197	857	1881	4162	4261	-890	-864	12332	536	12868	2850	15718	49.56
16	3963	1631	458	6052	980	1880	4171	4331	-900	-872	12371	578	12949	2852	15801	49.63
17	3925	1420	456	5801	1170	1858	4103	4081	-862	-842	12068	657	12725	2800	15525	49.76
18	3860	449	455	4764	1135	1877	4108	4541	-836	-904	11413	682	12095	2690	14785	49.93
19	3992	240	458	4690	1017	1883	4223	4470	-834	-970	11090	506	11596	2546	14142	49.80
20	4062	813	456	5331	946	1876	4392	4565	-866	-870	11848	609	12457	2654	15111	49.70
21	4116	1086	456	5658	1076	1854	4428	4385	-883	-816	12164	580	12744	2616	15360	49.67
22	4098	704	453	5255	968	1894	4448	4375	-906	-836	11679	523	12202	2568	14770	49.60
23	4152	1269	465	5886	1016	1855	4263	4339	-889	-939	12180	239	12419	2512	14931	49.60
24	4151	1613	460	6224	958	1837	4112	4163	-898	-931	12275	177	12452	2458	14910	49.63
MUs	98.99	22.64	10.97	132.60	24.60	42.69	98.85	101.74	-19.59	-18.18	283.58	12.34	295.92	58.99	354.91	49.71

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 23/Jun/2012

Position as on 6.30 Hrs of 24/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	23/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 3A	230	10/06/2012	12.48	24/06/2012	16.57	Gas Shortage	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Dabhol 1A	230	16/06/2012	11.45		Continued.	Withdrawn.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	
Koradi Unit 7	210	19/06/2012	23.11	23/06/2012	12.27	Flashover at Field Winding CB	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Srevomotor Oil Leakage.	05/07/2012
Uran Unit 7	108	20/06/2012	12.30		Continued.	Gas Shortage.	
Dabhol 2A	230	20/06/2012	22.25		Continued.	Gas Shortage.	
CPP JSW (J) U3	300	22/06/2012	23.32	23/06/2012	04.18	On Boiler MFT.	
REL 1	250	23/06/2012	02.02	24/06/2012	18.10	BLR T/L.	
Koyna Unit 5	80	23/06/2012	08.00	23/06/2012	17.50	Maintenance work.	
Cent_Sect NTPC(K-6)	500	23/06/2012	09.21		Continued.	Boiler tube leakage.	
Khaparkheda Unit 5	500	23/06/2012	11.09		Continued.	Bunkering problem.	
Koradi Unit 7	210	23/06/2012	12.37	23/06/2012	14.27	Thyristor problem.	
Parli Unit 6	250	23/06/2012	15.03		Continued.	Bunkering problem.	
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Cent_Sect Sipat U-2	660	24/06/2012	11.32		Continued.	Boiler tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jun/2012

Position as on 6.30 Hrs of 24/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	20/06/2012	23.49		Continued.	Over Voltage.
Kolhapur - Mapusa - II	21/06/2012	18.18	24/06/2012	09.27	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	24/06/2012	17.12		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
400/220 KV 315 MVA ICT-I @ Dhule	18/06/2012	10.40		Continued.	Cable Termination of CP and RP from new yard
Akola - Bhusawal	22/06/2012	08.55	23/06/2012	08.52	Repl.of disc insulator string.
Dhule - Babaleshwar - II	23/06/2012	10.26	23/06/2012	17.38	Beam erection.
Main Bus-II at Akola	23/06/2012	11.54	23/06/2012	15.57	Stringing work.
Main Bus- II @ Aurangabad	23/06/2012	11.54	23/06/2012	15.57	Extension of gantry beams.
Kalwa-Kharghar	23/06/2012	12.17	23/06/2012	12.26	Bird nest.
HVDC AC Bay- I @ Padgha	23/06/2012	14.10	23/06/2012	17.29	Hot Spot.
400/220 KV 600 MVA ICT-II @ Kalwa	24/06/2012	07.21	24/06/2012	17.18	Replacement of LV side R ph.CT.
Main Bus - I @ 400 KV Akola	24/06/2012	11.15	24/06/2012	15.22	Extension of gantry beam.
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.
220/110KV, 200MVA T/F-III at Mudshingi	22/06/2012	09.25	23/06/2012	17.35	Repl.of Aux.Bus and HV side isolator.
Main-Bus-II at 400KV Kalwa	23/06/2012	07.15	23/06/2012	10.10	Hot spot wwork.
Pophali - KDPH	23/06/2012	09.50	23/06/2012	17.25	Replacement of insulator.
220/132KV 200 MVA ICT-II @ Raymond	23/06/2012	10.00	23/06/2012	14.56	Hot spot work.
220/132 KV 200 MVA ICT @ Kawlewada	23/06/2012	10.01	23/06/2012	14.44	R. M. Work
Vita-Mhaisal	23/06/2012	10.35	23/06/2012	17.20	Replacement of insulator.
BBLSR-Waluj	23/06/2012	11.22	23/06/2012	13.30	Replacement of broken conductor.
Aurangabad - Babaleshwar	23/06/2012	11.22	23/06/2012	13.30	Replacement of broken conductor jumper of Y ph.CT.
Babaleshwar - Babaleshwar - II	23/06/2012	12.04	23/06/2012	13.45	Q.M.Work
220/132KV 200MVA ICT-II at Lonand	23/06/2012	14.02	23/06/2012	15.30	Pre monsoon maint.work.
Kalwa-Colourchem	23/06/2012	16.15	23/06/2012	17.10	Bird nest.
220/33KV 100 MVA ICT - I @ Walve	23/06/2012	16.49	23/06/2012	17.59	Replacement of B ph.CT.
220/100KV,200 MVA ICT-II at Trombay.	24/06/2012	09.00	24/06/2012	15.56	Red hot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jun/2012

Position as on 6.30 Hrs of 24/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Urse - General Motors	24/06/2012	09.24	24/06/2012	17.43	Replacement of cut point insulator string.
Borivali - Bhandup	24/06/2012	09.26	24/06/2012	12.19	R.M.Work
Hinjewadi-I-Chinchwad	24/06/2012	10.01	24/06/2012	14.47	Replacement of R and Y ph.jumper.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Salshet - II	22/06/2012	09.30		Continued.	Repl.of line side isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	21/06/2012	17.40	23/06/2012	09.20	Over Voltage.
Aurangabad-Deepnagar-II	21/06/2012	18.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/06/2012	17.32	24/06/2012	09.48	Over Voltage.
Karad - Kolhapur - I	23/06/2012	18.59	24/06/2012	09.20	Over Voltage.
Bhusawal- Aurangabad	24/06/2012	16.29		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	22/06/2012	15.12		Continued.	To avail outage of 315 MVA ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Lonikand	24/06/2012	13.26		Continued.	Tripped from Karad .
Karad - Kolhapur - II	24/06/2012	20.40		Continued.	Over Voltage.
Bablswr-Padgha Ckt I	24/06/2012	23.06	24/06/2012	23.28	Distance protection trip.trip from BBLR end only.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Khaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/132KV,200 MVA ICT-I at Dhule	23/06/2012	17.09	23/06/2012	17.50	On OSR,OLTC R ph.
Pophali - Pedambe - I	24/06/2012	02.30	24/06/2012	16.50	Distance protection.(declared faulty.
Kalwa-Mulund II	24/06/2012	16.19	24/06/2012	16.25	Bus bar indication.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale - Nuldurg	22/06/2012	03.05	23/06/2012	07.45	Earth Fault
Harangul-Ujani-II	23/06/2012	05.11	23/06/2012	15.32	Distance protection.
Boiser - Viraj	24/06/2012	15.22	24/06/2012	15.50	Metering CT burst.
Viraj-Jindal	24/06/2012	15.22	24/06/2012	16.05	Metering CT burst at Viraj.
Jindal-IOL	24/06/2012	15.22	24/06/2012	16.10	Metering CT burst at Viraj.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	95
Unit 7	210	145
	620	330
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	120
Unit 4	210	140
Unit 5	210	105
Unit 6	250	0
Unit 7	250	160
	1130	525
Chandrapur		
Unit 1	210	150
Unit 2	210	135
Unit 3	210	170
Unit 4	210	170
Unit 5	500	420
Unit 6	500	400
Unit 7	500	400
	2340	1845
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	630
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	27
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	8
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	185
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	410
Other CPPs	0	
	1005	1510
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	250
	500	250
Cent Sect		
Share	3455	4573
	3455	4573