



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Aug/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Aug/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.067	1548.780	1) Gujrat	10.737	207.073
2) Hydro	7.851	311.335	2) Madhya Pradesh	20.860	432.697
3) Gas	11.224	236.786	3) Chattisgarh	7.710	182.010
Total MSGENCO	98.142	2096.901	4) Maharashtra	55.410	1281.289
B) 1) JSW JAIGAD	16.995	507.611	5) Goa	-4.885	-106.282
2) WPCL	7.341	139.963	6) TAPS 1&2 Injection	7.428	151.017
3) ADANI	27.480	522.190	7) RGPPL Injection	0.000	0.070
4) Other CPP / IPP	9.031	115.390	8) Pench (Excess)	-0.356	-9.031
5) Wind Generation	29.143	498.125	# Total Cent. Sector	96.904	2138.843
6) PENCH (MS)	0.356	9.031	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.042	-466.318
1) TPCL Thermal	16.209	332.381	G) Bilateral Power *		
2) TPCL Hydro	6.586	110.017	1) MSEDCL Bilateral	9.421	185.911
TOTAL TPCL	22.795	442.398	Include PX	0.000	-47.888
3) REL Thermal	11.989	246.866	2) MUMBAI Bilateral	20.798	393.106
D) STATE			Include PX	5.154	85.946
1) Thermal (A1+C1+C3)	107.265	2128.027	3) MUMBAI Schedule	20.798	396.193
2) Hydro (A2+B5+C2)	14.793	430.383	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.224	236.786	1) MSEDCL	263.350	5561.736
4) Wind (B4)	29.143	498.125	2) TPCL	37.488	756.965
5) CPP (B1+B2+B3)	60.847	790.444	3) REL	19.338	398.393
TOTAL STATE	223.272	4083.765	TOTAL STATE	320.176	6717.094

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	3549	3385	3009
MSGENCO Hydro	384	429	196
MSGENCO Gas	472	465	474
MSGENCO Total Generation	4405	4279	3679
Central Sector Receipt	4666	3960	3594
WIND	1269	1112	1311
CPP / IPP	2618	2638	2349
Exchange with Mumbai	-1203	-973	-648
MSEDCL DEMAND MET	11771	11032	10295
Load Shedding	383	510	50
MSEDCL DEMAND	12154	11542	10345
TPCL GENERATION	1177	1177	573
R-INFRA GENERATION	523	523	400
TPCL+R-INFRA DEMAND	2903	2673	1621
STATE DEMAND MET	14674	13705	11916
STATE DEMAND	15057	14215	11966
Frequency (Hz)	50.05	49.75	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.00 Hrs	49.53 Hz at 19.14 Hrs	49.99	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/Aug/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.43	41.59	155	108	160
Unit 6	3.37	58.27	163	90	150
Unit 7	0.00	20.33	0	0	0
Total	6.80	120.20			310
Bhusawal					
Unit 2	2.92	49.78	155	0	110
Unit 3	0.00	53.28	0	0	0
Unit 4	0.00	71.32	0	0	0
Unit 5	0.00	0.00	0	0	
Total	2.92	174.38			110
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	4.59	98.25	221	167	190
Unit 7	4.44	96.50	218	146	172
Total	9.03	194.76			362
Chandrapur					
Unit 1	2.64	50.92	134	0	140
Unit 2	2.77	37.26	138	98	120
Unit 3	0.83	41.94	98	0	0
Unit 4	2.85	23.50	174	61	150
Unit 5	0.00	0.00	0	0	0
Unit 6	7.16	94.18	370	240	250
Unit 7	6.50	132.97	332	224	300
Total	22.76	380.77			960
Paras					
Unit 3	3.42	81.48	173	89	180
Unit 4	3.85	77.75	216	116	180
Total	7.27	159.23			360
Khaparkheda					
Unit 1	2.90	5.80	155	85	130
Unit 2	3.04	58.40	160	95	120
Unit 3	0.86	67.22	156	0	0
Unit 4	4.30	69.04	200	144	180
Unit 5	7.86	126.11	377	278	360
Total	18.95	326.56			790
Nasik					
Unit 3	4.40	94.12	200	170	200
Unit 4	2.64	6.13	179	0	170
Unit 5	4.28	92.63	192	170	200
Total	11.33	192.89			570
Uran					
All Units	11.22	236.79	476	456	470
Total	11.22	236.79			470
PENCH (MS)					
Pench (MS)	0.36	9.03	18	10	
Total	0.36	9.03			
Koyna					
Stage 1-2	2.21	70.66	240	40	600
Stage 4	0.10	57.41	105	0	250
Stage 3	0.94	42.34	142	0	240
Kovna 12&4 Total	2.32	128.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.25	170.41			1090
Hydro					
KDPH	0.93	20.14	39	38	36
VTRNA	0.00	22.63	0	0	60
TILLARI	0.76	17.19	60	0	60
BHTGR/VEER	0.11	4.03	5	4	4
BHIRA T.R.	0.38	8.90	82	0	80
RNGR+BHTSA	0.43	9.09	18	18	14
BHANDARDRA	0.50	14.43	21	21	21
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.17	27.60	49	48	0
GHATGHAR	0.31	16.92	125	0	0
Total	4.60	140.92			275
Wind					
MalharPeth	1.32	21.68			
Vankuswadi	2.28	37.49			
ATIT	0.28	5.31			
Kale	0.68	13.59			
Satara	8.23	140.76			
Shirala	0.67	11.79			
K Mahankal	0.09	9.35			
Supa	0.31	5.90			
Vita	2.59	56.59			
Dondaicha	8.01	119.06			
Sakri	1.18	19.10			
Nandurbar	0.78	11.13			
Khandke	1.25	23.98			
Khaparale	1.47	22.38			
Total	29.14	498.12			
CPP					
JSW JAIGAD	17.00	507.61	884	679	628
WARDHA	7.34	139.96	327	234	320
Adani	27.48	522.19	1220	890	1234
Other CPPs	9.03	115.39			245
Total	60.85	1285.15			2427
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.81	214.45	504	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.40	117.94	252	184	250
TATA Hydro	6.59	110.02	456	72	447
Total	22.80	442.40			1197
REL					
1&2	11.99	246.87	525	397	500
Total	11.99	246.87			500
Cent Sect					
Share					4523
Total					4523

MS PG CL	Thermal	79.07	1548.78			3462
	Thml+Gas	90.29	1785.57			3932
	Hydro	7.85	311.34			1365
	Total	98.14	2096.90			5297
State Total		223.27	4083.76			13944

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Aug/2013

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	2924	175	472	3571	1156	2792	3625	3701	-712	-840	10397	79	10476	1934	12410	50.06
2	3002	170	472	3644	1278	2649	3339	3567	-626	-784	10368	50	10418	1755	12173	49.94
3	2997	176	472	3645	1336	2549	3278	3604	-546	-705	10439	50	10489	1676	12165	50.16
4	3009	196	474	3679	1311	2349	3261	3594	-529	-648	10295	50	10345	1621	11966	50.12
5	3059	176	476	3711	1312	2263	3271	3664	-540	-656	10304	67	10371	1624	11995	50.18
6	3191	176	474	3841	1276	2312	3707	4172	-582	-675	10943	126	11069	1719	12788	50.02
7	3291	191	473	3955	1238	2431	3880	4527	-636	-596	11573	252	11825	1874	13699	50.13
8	3380	192	472	4044	1271	2610	3911	4189	-656	-621	11510	675	12185	2037	14222	50.01
9	3327	286	473	4086	1374	2637	4003	4253	-729	-701	11666	635	12301	2342	14643	50.10
10	3519	375	471	4365	1347	2619	4275	4447	-979	-994	11800	469	12269	2679	14948	49.96
11	3549	384	472	4405	1269	2618	4504	4666	-1202	-1203	11771	383	12154	2903	15057	50.05
12	3567	321	469	4357	1227	2596	4566	4327	-1264	-1217	11306	317	11623	2936	14559	50.09
13	3472	315	461	4248	1339	2453	4171	4424	-1168	-1176	11304	327	11631	2902	14533	50.05
14	3456	292	461	4209	1313	2248	4005	4375	-1050	-1090	11071	289	11360	2770	14130	50.01
15	3466	634	461	4561	1242	2321	4042	4010	-1094	-1094	11056	319	11375	2828	14203	49.85
16	3414	629	463	4506	1088	2474	4055	4478	-1116	-1105	11458	264	11722	2797	14519	49.89
17	3396	533	459	4388	1086	2621	3933	3701	-996	-1121	10685	273	10958	2809	13767	49.91
18	3352	256	460	4068	1056	2657	3782	3426	-945	-1255	9962	523	10485	2799	13284	50.04
19	3379	252	456	4087	1081	2654	4151	3658	-984	-1093	10403	507	10910	2673	13583	49.95
20	3385	429	465	4279	1112	2638	4293	3960	-1039	-973	11032	510	11542	2673	14215	49.75
21	3383	444	467	4294	1174	2657	4239	4079	-984	-911	11308	289	11597	2564	14161	49.86
22	3287	323	468	4078	1188	2575	4082	4057	-849	-878	11035	161	11196	2462	13658	49.94
23	3178	395	466	4039	1059	2551	3731	3983	-811	-818	10829	131	10960	2278	13238	49.88
24	3084	531	467	4082	1010	2573	3866	4042	-759	-888	10835	106	10941	2171	13112	49.92
MUs	79.07	7.85	11.22	98.14	29.14	60.85	93.97	96.90	-20.80	-22.04	263.35	6.85	270.20	56.83	327.03	49.99

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 22/Aug/2013

Position as on 6.30 Hrs of 23/Aug/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Tata Trombay 7B	60	27/07/2013	12.57		Continued.	Annual Overhaul	
Tata Trombay 7A	120	27/07/2013	13.55		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		Continued.	Annual Overhaul	
Koyna Unit 5	80	22/08/2013	07.10	22/08/2013	17.50	Preventive Maintenance.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
CPP VIPL	300	17/07/2013	12.03		Continued.	Turbine Problem	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Uran Unit 8	108	01/08/2013	17.13		Continued.	Gas Shortage.	
CPP Adani U-3	660	05/08/2013	20.54		Continued.	PA Fan Problem	
CPP WPCL U-2	135	06/08/2013	09.45		Continued.	Flame Failure	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Hydro GhatgharU1	125	17/08/2013	02.00		Continued.	Turbine Bearing Oil Cooler Leakage	
Chandrapur Unit 3	210	17/08/2013	21:13	22/08/2013	10.45	Poor Bunker Level & PCR.	
Bhusawal Unit 4	500	18/08/2013	12:34		Continued.	Hooper problem	
Khaparkheda Unit 3	210	19/08/2013	04.30	22/08/2013	16.03	Boiler Tube Leakage	
Nasik Unit 4	210	19/08/2013	13:47	22/08/2013	03.50	Generator Prot. Operated.	
Bhusawal Unit 3	210	21/08/2013	23.02		Continued.	H P Control Valve Leakage.(72 Hrs)	
CPP JSW (J) U1	300	22/08/2013	01.24		Continued.	Condenser Tube Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Aug/2013

Position as on 6.30 Hrs of 23/Aug/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 1	210	22/08/2013	22.12		Continued.	To Attend Turbine Control Valve Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Aug/2013

Position as on 6.30 Hrs of 23/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur-Solapur(PGCIL)-I	17/08/2013	17:45		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 KV Wardha PG - Seoni - I.	20/08/2013	17:04		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	13/08/2013	12.43		Continued.	Over Voltage
Solapur - Solapur (PG)	21/08/2013	17.06	22/08/2013	06.25	Over Voltage.
Solapur - Solapur (PG)	22/08/2013	16.51		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	20/08/2013	02:43		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	22/08/2013	11.12		Continued.	Annual Maintenance Work. upto 28.08.13.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
Main Bus- I @ Jejuri	22/08/2013	08.05	22/08/2013	10.02	Hot Spot Attending Work.
Jejuri-Koyna STG-IV	22/08/2013	10.08	23/08/2013	07.00	Replacement of Twin Cut Point String @ Loc. No.-94.
400/220 KV 315 MVA ICT-II @ Nagothane.	22/08/2013	11.15	22/08/2013	13.26	Taken on TBC FROM L V Side Attending SF6 Gas Leakage.
Chandrapur - Khaparkheda	22/08/2013	11.26	22/08/2013	19.16	Replacement of 2 No's of LMU for Data Speech Communication.
Warora- Tirora -II	22/08/2013	13.06	22/08/2013	15.02	For Attending Hot Spot on R Ph. Metering C T.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
Bus Section - III @ Trombay	21/08/2013	22.59	22/08/2013	03.41	To Attend Red Hot Spot of Y Ph.Bus Isolator Jumper of 220KV Tie Line.
Trombay - Tata Tie - I	21/08/2013	23.04	22/08/2013	03.48	To Attend Red Hot Spot of Y Ph.Bus Isolator Jumper of 220 KV Tie Line.
Trombay-Mulund	21/08/2013	23.04	22/08/2013	05.29	To Attend Red Hot Spot of Y Ph.Bus Isolator Jumper of 220KV Tie Line.
Padgha - Temghar - II	22/08/2013	19.13	22/08/2013	23.38	Replacement of Y Ph. C T Clamp Side Conductor.
220/33KV,100MVA T/F-IV at Aarey	23/08/2013	03.00	23/08/2013	04.31	33KV Incommmer Annual Maintenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Dabhol - Nagothane - I	31/07/2013	14.53		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Aug/2013

Position as on 6.30 Hrs of 23/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad-Deepnagar-II	21/08/2013	14.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda II	07/08/2013	17.12	22/08/2013	11.19	Over Voltage.
Karad - Kolhapur - II	08/08/2013	02.08		Continued.	Over Voltage
Bhusawal- Aurangabad	14/08/2013	08.29		Continued.	R phase Grading capacitor Burst
C'pur-Parli II	21/08/2013	02:37	22/08/2013	06.25	D/P.Z-IY-B Ph.Ready for Charging from 12.36 On dt 21.8.13
Karad - Kolhapur - I	22/08/2013	00.22	22/08/2013	06.23	Over Voltage.
Karad-Jaigad I	22/08/2013	04.14	22/08/2013	07.31	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
220/132KV 200MVA ICT-III at BBLSR	11/08/2013	20.20		Continued.	R-Ph LV Side Bushing Burst.
Talandge - Sawantwadi - II.	19/08/2013	16:26		Continued.	D/P.
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	22/08/2013	11.40	22/08/2013	12.30	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Aug/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	100
Unit 7	210	0
	620	210
Bhusawal		
Unit 2	210	130
Unit 3	210	0
Unit 4	500	0
Unit 5	500	
	1420	130
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	0
Unit 6	250	220
Unit 7	250	210
	1130	430
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	100
Unit 4	210	100
Unit 5	500	0
Unit 6	500	225
Unit 7	500	250
	2340	805
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	120
Unit 2	210	140
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	900
Nasik		
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	630	600
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	10
ELDARY	23	
SMLHY PTN	12	15
GHATGHAR	250	
	611	215
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	1200	650
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	245
	3225	2459
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4477
	3455	4477