



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Apr/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.352	2496.003	1) Gujrat	8.934	272.839
2) Hydro	6.222	189.961	2) Madhya Pradesh	19.025	436.327
3) Gas	14.546	274.655	3) Chattisgarh	8.570	177.220
Total MSGENCO	140.120	2960.619	4) Maharashtra	59.028	1414.747
B) 1) JSW JAIGAD	25.390	539.695	5) Goa	-5.573	-125.130
2) WPCL	7.842	160.615	6) TAPS 1&2 Injection	3.744	60.462
3) ADANI	7.840	259.630	7) RGPPL Injection	28.504	447.557
4) Other CPP / IPP	12.286	246.936	8) Pench (Excess)	-0.109	-4.900
5) Wind Generation	7.050	234.205	# Total Cent. Sector	122.123	2679.122
6) PENCH (MS)	0.109	4.900	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.435	-301.640
1) TPCL Thermal	26.010	557.593	G) Bilateral Power *		
2) TPCL Hydro	4.869	80.611	1) MSEDCL Bilateral	33.901	957.750
TOTAL TPCL	30.879	638.204	Include PX	0.000	140.399
3) REL Thermal	12.010	275.565	2) MUMBAI Bilateral	14.740	328.486
D) STATE			Include PX	1.687	74.215
1) Thermal (A1+C1+C3)	157.372	3329.161	3) MUMBAI Schedule	14.740	328.486
2) Hydro (A2+B5+C2)	11.200	275.472	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.546	274.655	1) MSEDCL	307.325	6784.082
4) Wind (B4)	7.050	234.205	2) TPCL	38.300	797.518
5) CPP (B1+B2+B3)	53.358	955.086	3) REL	20.025	417.819
TOTAL STATE	243.526	5068.579	TOTAL STATE	365.650	7999.419

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	5140	5169	5037
MSGENCO Hydro	382	174	121
MSGENCO Gas	604	611	590
MSGENCO Total Generation	6126	5954	5748
Central Sector Receipt	5537	5732	4364
WIND	25	242	337
CPP / IPP	2565	1954	2386
Exchange with Mumbai	-779	-707	-433
MSEDCL DEMAND MET	13474	13175	12402
Load Shedding	680	224	208
MSEDCL DEMAND	14154	13399	12610
TPCL GENERATION	1652	1694	848
R-INFRA GENERATION	526	522	430
TPCL+R-INFRA DEMAND	2957	2923	1711
STATE DEMAND MET	16431	16098	14113
STATE DEMAND	17111	16322	14321
Frequency (Hz)	50.01	50.03	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 06.59 Hrs	49.63 Hz at 19.25 Hrs	50.01	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/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.77	82.51	181	130	160
Unit 7	2.56	86.00	155	0	155
Total	6.33	168.51			315
Bhusawal					
Unit 2	3.68	84.93	180	140	165
Unit 3	3.64	85.27	165	110	165
Unit 4	7.08	173.77	330	210	300
Unit 5	8.40	62.22	445	80	
Total	22.80	406.20			630
Parli					
Unit 3	0.00	0.00			0
Unit 4	0.00	0.00			0
Unit 5	0.00	0.00			0
Unit 6	0.00	0.00			0
Unit 7	0.00	0.00			0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.67	54.49	161	131	160
Unit 2	3.14	79.54	135	124	130
Unit 3	4.83	92.83	210	179	205
Unit 4	4.52	96.94	198	166	200
Unit 5	10.75	154.12	455	440	450
Unit 6	10.37	212.61	450	380	450
Unit 7	7.54	200.94	425	0	425
Total	44.83	891.48			2020
Paras					
Unit 3	5.76	123.51	254	217	230
Unit 4	6.04	115.38	264	238	250
Total	11.80	238.89			480
Khaparkheda					
Unit 1	3.46	81.06	180	125	160
Unit 2	3.54	77.22	165	120	180
Unit 3	3.83	83.88	169	150	160
Unit 4	4.21	90.50	192	128	190
Unit 5	9.51	196.54	481	360	400
Total	24.55	529.21			1090
Nasik					
Unit 3	4.56	97.64	200	175	195
Unit 4	0.00	65.08	0	0	0
Unit 5	4.50	99.01	200	174	195
Total	9.05	261.72			390
Uran					
All Units	14.55	274.66	624	586	580
Total	14.55	274.66			580
PENCH (MS)					
Pench (MS)	0.11	4.90	40	0	
Total	0.11	4.90			
Koyna					
Stage 1-2	1.96	52.89	440	40	530
Stage 4	0.50	22.56	418	0	250
Stage 3	0.53	16.91	150	0	240
Kovna 12&4 Total	2.45	75.45			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.98	92.36			1020
Hydro					
KDPH	0.89	16.96	37	36	36
VTRNA	0.94	21.02	61	0	60
TILLARI	0.36	7.76	60	0	60
BHTGR/VEER	0.05	1.02	2	2	2
BHIRA T.R.	0.15	3.96	49	0	40
RNGR+BHTSA	0.29	6.78	13	12	15
BHANDARDRA	0.00	1.82	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.56	20.50	24	23	40
GHATGHAR	0.00	17.78	0	0	0
Total	3.24	97.60			253
Wind					
MalharPeth	0.31	10.98			
Vankuswadi	0.51	15.21			
ATIT	0.07	4.33			
Kale	0.19	6.14			
Satara	1.44	20.06			
Shirala	0.20	7.85			
K Mahankal	0.02	14.73			
Supa	0.07	2.75			
Vita	0.87	25.36			
Dondaicha	2.27	87.31			
Sakri	0.31	11.10			
Nandurbar	0.23	9.26			
Khandke	0.24	10.16			
Khaparale	0.31	8.98			
Total	7.05	234.20			
CPP					
JSW JAIGAD	25.39	539.70	1118	957	1005
WARDHA	7.84	160.62	330	319	327
Adani	7.84	259.63	610	0	617
Other CPPs	12.29	246.94			200
Total	53.36	1206.88			2149
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.22	240.68	504	283	500
Trombay 6	5.39	96.47	316	149	500
Trombay 7A	2.97	57.57	125	121	120
Trombay 7B	1.62	31.27	69	67	60
Trombay 8	5.81	131.60	252	193	250
TATA Hydro	4.87	80.61	437	0	447
Total	30.88	638.20			1877
REL					
1&2	12.01	275.56	526	429	500
Total	12.01	275.56			500
Cent Sect					
Share					5508
Total					5508

MS PG CL	Thermal	119.35	2496.00			4925
	Thml+Gas	133.90	2770.66			5505
	Hydro	6.22	189.96			1273
	Total	140.12	2960.62			6778
State Total		243.53	5068.58			16812

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Apr/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	4930	116	586	5632	377	2404	4997	4858	-535	-694	12577	128	12705	2087	14792	50.05
2	5042	116	587	5745	312	2377	4949	4692	-486	-583	12543	180	12723	1897	14620	50.00
3	4984	116	588	5688	247	2392	4717	4570	-482	-480	12417	199	12616	1788	14404	50.05
4	5037	121	590	5748	337	2386	4661	4364	-451	-433	12402	208	12610	1711	14321	50.07
5	4987	116	590	5693	432	2396	4589	4339	-438	-450	12410	249	12659	1699	14358	50.00
6	5052	121	620	5793	385	2392	4779	4794	-430	-505	12859	397	13256	1754	15010	49.96
7	5037	120	618	5775	320	2380	4940	4787	-450	-544	12718	883	13601	1825	15426	50.04
8	5027	149	618	5794	200	2386	4983	4944	-472	-572	12752	890	13642	1971	15613	50.03
9	5113	204	591	5908	150	2537	5119	5107	-517	-669	13033	834	13867	2294	16161	50.07
10	5153	239	610	6002	138	2571	5344	5422	-672	-670	13463	551	14014	2641	16655	50.04
11	5205	375	609	6189	64	2599	5578	5622	-817	-786	13688	504	14192	2906	17098	50.04
12	5140	382	604	6126	25	2565	5553	5537	-849	-779	13474	680	14154	2957	17111	50.01
13	5106	371	603	6080	17	2380	5530	5614	-858	-833	13258	838	14096	2963	17059	49.96
14	5152	267	597	6016	24	2138	5494	5780	-824	-750	13208	679	13887	2889	16776	50.07
15	5253	239	599	6091	30	1983	5764	5867	-817	-792	13179	356	13535	2949	16484	49.97
16	5221	215	607	6043	90	1970	5751	6024	-791	-784	13343	284	13627	2952	16579	50.01
17	5169	174	611	5954	242	1954	5515	5732	-687	-707	13175	224	13399	2923	16322	50.03
18	4879	180	611	5670	289	1904	4475	4689	-528	-852	11713	191	11904	2818	14722	50.07
19	4925	174	618	5717	294	1940	4392	4348	-520	-764	11575	152	11727	2677	14404	50.01
20	4948	449	624	6021	589	1956	5206	4438	-657	-614	12430	185	12615	2722	15337	49.96
21	4890	265	621	5776	656	1956	5242	4831	-624	-526	12709	139	12848	2615	15463	50.00
22	4498	204	622	5324	656	1923	5238	5185	-588	-500	12588	94	12682	2520	15202	49.98
23	4404	428	609	5441	648	1930	5154	5375	-620	-568	12826	74	12900	2438	15338	49.90
24	4200	1081	613	5894	529	1939	5013	5205	-629	-580	12987	72	13059	2328	15387	49.99
MUs	119.35	6.22	14.55	140.12	7.05	53.36	122.98	122.12	-14.74	-15.44	307.33	8.99	316.32	58.32	374.64	50.01

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/Apr/2013

Position as on 6.30 Hrs of 23/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Koyna Unit 2	75	15/04/2013	07.10		Continued.	Realignment work.	30/04/2013
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	No Schedule.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine sprial casing foundation.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
Nasik Unit 4	210	18/04/2013	12:15	23/04/2013	04.20	Boiler Tube Leakage.	
CPP WPCL U-1	135	20/04/2013	21.59		Continued.	F D Fan Problem.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Koradi Unit 7	210	22/04/2013	17.39		Continued.	BLR T/L.	
Chandrapur Unit 7	500	22/04/2013	21.04		Continued.	BLR T/L.	

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

Position as on 6.30 Hrs of 23/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	20/04/2013	10.15	22/04/2013	09.09	Repl.of Faulty Disc Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Kolhapur-Mapusa-II	21/04/2013	16.31	22/04/2013	09.31	Over Voltage.
Kolhapur - Mapusa - I	22/04/2013	16.44		Continued.	Over Voltage.
Akola - Wardha - I	22/04/2013	17.56		Continued.	Over Voltage.
Dhule - S'Sarovar- II	22/04/2013	23.12		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV, 315MVA ICT-I @ New Koyna.	22/04/2013	11.47	22/04/2013	15.58	For antitrack coating of 33KV PT.
Bhusawal- Aurangabad	22/04/2013	14.17	22/04/2013	17.36	To take trial of Ckt BKR,after replacement of trip coil.
400/220KV 315 MVA ICT-I @ Padgha	22/04/2013	14.42	22/04/2013	20.36	Oil leakage from primary side stud of R-Ph CT..
400/220KV 315 MVA ICT-I @ Padgha	22/04/2013	23.32	23/04/2013	02.50	To attend oil leakage from CT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.
Miraj -Ichalkarajni	19/04/2013	15.18	22/04/2013	17.14	Distance Relay retrofitting work
Wadkhal - Ndil - 2	22/04/2013	08.01	22/04/2013	11.01	Isolator maintenance.
Momewadi -Halkarni	22/04/2013	08.38	22/04/2013	11.32	Q.M.Work
Ambazari-Amravati	22/04/2013	09.58	22/04/2013	16.20	Repl of B-Ph CT.
Mudshingi-Wathar	22/04/2013	10.28		Continued.	Q.M.Work
Main Bus at Tilwani	22/04/2013	10.35	22/04/2013	16.37	Hot Spot & Relay Testing & Q.M.Work.
Pophali - KDPH	22/04/2013	11.00		Continued.	Alignment of isolator.
Lamboti-Bale-I	22/04/2013	16.44	22/04/2013	18.36	Attending hot spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT - II @ Jejuri	20/04/2013	12.50		Continued.	Taken on TBC LV Side Red Hot Spot.
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
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Warora - Wardha (PG) - II	19/04/2013	19.40	22/04/2013	07.46	Sparking at B Phase CT at Wardha.Ready for Charging from
Bhusawal- Aurangabad	21/04/2013	09.45		Continued.	To Control Akola-Wardha-II.

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

Position as on 6.30 Hrs of 23/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	21/04/2013	17.10	22/04/2013	06.45	Over Voltage.
Karad - Kolhapur - II	22/04/2013	18.07		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora-Tiroda-I	02/04/2013	14.05		Continued.	Over Voltage.
Parli - Solapur	22/04/2013	21.35		Continued.	Over Voltage.
Karad-Jaigad II	23/04/2013	01.17		Continued.	Dist Protection.
400/220 KV 600 MVA ICT - IV @ Padgha	23/04/2013	03.12		Continued.	Y-Ph CT Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur - Chandrapur MIDC	22/04/2013	15.36	22/04/2013	16.19	B-Ph,Zone I.
Voltage Level : 132KV			Outage Type TRIPPED		
Ajgaon-Bramhapuri	22/04/2013	15.40	22/04/2013	21.50	Dist protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	0
	620	150
Bhusawal		
Unit 2	210	160
Unit 3	210	165
Unit 4	500	323
Unit 5	500	
	1420	648
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	165
Unit 2	210	130
Unit 3	210	205
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1600
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	170
Unit 4	210	180
Unit 5	500	350
	1340	1050
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	211
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	1006
WARDHA	405	512
Adani	1320	
Other CPPs	300	
	3225	1518
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	4936
	3455	4936