



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Oct/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.214	2179.711	1) Gujrat	8.154	234.398
2) Hydro	11.095	268.023	2) Madhya Pradesh	17.129	388.477
3) Gas	14.568	235.179	3) Chattisgarh	10.160	198.220
Total MSGENCO	132.877	2682.913	4) Maharashtra	76.800	1435.679
B) 1) JSW JAIGAD	19.031	485.731	5) Goa	-5.902	-122.862
2) WPCL	5.419	155.108	6) TAPS 1&2 Injection	7.521	140.663
3) ADANI	33.880	733.920	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.736	215.936	8) Pench (Excess)	-0.413	-18.333
5) Wind Generation	6.886	146.454	# Total Cent. Sector	113.449	2256.242
6) PENCH (MS)	0.413	18.333	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.271	-482.300
1) TPCL Thermal	21.546	441.646	G) Bilateral Power *		
2) TPCL Hydro	5.947	83.980	1) MSEDCL Bilateral	21.481	497.406
TOTAL TPCL	27.493	525.626	Include PX	0.000	-13.407
3) REL Thermal	12.516	260.385	2) MUMBAI Bilateral	21.678	421.870
D) STATE			Include PX	7.678	112.271
1) Thermal (A1+C1+C3)	141.276	2881.742	3) MUMBAI Schedule	21.678	422.030
2) Hydro (A2+B5+C2)	17.455	370.336	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.568	235.179	1) MSEDCL	299.420	6212.337
4) Wind (B4)	6.886	146.454	2) TPCL	39.095	819.479
5) CPP (B1+B2+B3)	66.066	890.655	3) REL	21.186	448.807
TOTAL STATE	246.251	4524.366	TOTAL STATE	359.701	7480.623

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	4564	4317	4550
MSGENCO Hydro	915	1140	79
MSGENCO Gas	598	590	625
MSGENCO Total Generation	6077	6047	5254
Central Sector Receipt	4960	5205	3767
WIND	381	208	299
CPP / IPP	2785	2616	2912
Exchange with Mumbai	-1113	-1078	-530
MSEDCL DEMAND MET	13117	13023	11702
Load Shedding	426	303	111
MSEDCL DEMAND	13543	13326	11813
TPCL GENERATION	1356	1386	732
R-INFRA GENERATION	521	521	522
TPCL+R-INFRA DEMAND	2990	2985	1784
STATE DEMAND MET	16107	16008	13486
STATE DEMAND	16533	16311	13597
Frequency (Hz)	50.02	49.96	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 17:01 Hrs	49.62 Hz at 20:43 Hrs	50.04	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/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	8.43	0	0	0
Unit 6	3.17	63.03	160	98	138
Unit 7	3.55	53.15	170	100	159
Total	6.72	124.62			297
Bhusawal					
Unit 2	0.00	30.03	0	0	0
Unit 3	3.46	57.86	160	130	140
Unit 4	4.58	108.01	210	180	215
Unit 5	0.00	91.34	0	0	0
Total	8.04	287.24			355
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.55	72.20	169	129	135
Unit 5	0.00	69.54	0	0	0
Unit 6	4.22	92.49	209	117	165
Unit 7	4.38	88.82	208	160	165
Total	12.15	323.05			465
Chandrapur					
Unit 1	3.13	64.29	135	127	140
Unit 2	3.16	53.84	143	121	140
Unit 3	3.54	58.46	172	116	180
Unit 4	3.71	70.60	187	124	170
Unit 5	0.00	0.00	0	0	0
Unit 6	8.82	173.52	420	295	350
Unit 7	8.34	160.98	383	309	400
Total	30.70	581.68			1380
Paras					
Unit 3	5.24	87.26	228	202	230
Unit 4	5.44	93.71	250	200	240
Total	10.68	180.96			470
Khaparkheda					
Unit 1	3.19	78.14	150	110	180
Unit 2	3.68	72.19	180	110	160
Unit 3	4.12	37.85	197	137	190
Unit 4	4.67	93.15	207	160	190
Unit 5	11.05	139.15	504	332	450
Total	26.72	420.47			1170
Nasik					
Unit 3	4.12	91.22	190	150	190
Unit 4	3.98	89.37	188	147	190
Unit 5	4.10	81.10	190	150	190
Total	12.20	261.69			570
Uran					
All Units	14.57	235.18	633	573	605
Total	14.57	235.18			605
PENCH (MS)					
Pench (MS)	0.41	18.33	40	0	0
Total	0.41	18.33			0
Koyna					
Stage 1-2	2.60	53.84	425	40	600
Stage 4	4.96	103.68	713	0	250
Stage 3	1.73	35.95	238	0	240
Kovna 12&4 Total	7.56	157.52			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.28	193.47			1090
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.00	6.93	0	0	0
TILLARI	0.19	6.41	60	0	59
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.33	6.00	41	0	40
RNGR+BHTSA	0.39	8.40	17	16	15
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.18	7.10	8	7	0
SMLHY PTN	0.32	12.23	14	13	4
GHATGHAR	0.40	15.84	125	0	0
Total	1.81	72.72			118
Wind					
MalharPeth	0.26	6.77			
Vankuswadi	0.57	11.50			
ATIT	0.07	1.56			
Kale	0.22	4.44			
Satara	2.45	45.63			
Shirala	0.22	4.75			
K Mahankal	0.04	1.27			
Supa	0.16	1.72			
Vita	1.23	23.36			
Dondaicha	0.67	29.16			
Sakri	0.14	4.43			
Nandurbar	0.03	2.79			
Khandke	0.56	3.89			
Khaparale	0.27	5.18			
Total	6.89	146.45			
CPP					
JSW JAIGAD	19.03	485.73	892	751	802
WARDHA	5.42	155.11	239	204	220
Adani	33.88	733.92	1550	1280	1851
Other CPPs	7.74	215.94			265
Total	66.07	1590.70			3138
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.92	228.84	496	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	3.01	57.78	130	120	120
Trombay 7B	1.69	34.28	72	69	60
Trombay 8	5.92	120.74	254	199	250
TATA Hydro	5.95	83.98	471	0	447
Total	27.49	525.63			1377
REL					
1&2	12.52	260.38	523	520	500
Total	12.52	260.38			500
Cent Sect					
Share					5322
Total					5322

MS PG CL	Thermal	107.21	2179.71			4707
	Thml+Gas	121.78	2414.89			5312
	Hydro	11.10	268.02			1208
	Total	132.88	2682.91			6520
State Total		246.25	4524.37			16857

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Oct/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	4425	83	622	5130	301	2876	4551	4219	-813	-797	11729	96	11825	2222	14047	50.07
2	4481	79	624	5184	323	2907	4369	3943	-631	-594	11763	95	11858	2005	13863	50.03
3	4490	78	625	5193	321	2929	4122	3911	-499	-535	11819	95	11914	1879	13793	50.10
4	4550	79	625	5254	299	2912	4071	3767	-468	-530	11702	111	11813	1784	13597	50.13
5	4512	88	627	5227	270	2699	4132	4131	-529	-501	11826	132	11958	1763	13721	50.02
6	4589	159	633	5381	266	2677	4318	4418	-603	-499	12243	332	12575	1832	14407	49.99
7	4628	228	623	5479	248	2652	4353	4373	-615	-517	12235	786	13021	1939	14960	49.98
8	4700	518	618	5836	223	2734	4424	4471	-685	-595	12689	840	13529	2058	15587	50.03
9	4729	482	604	5815	202	2839	4773	4651	-839	-744	12789	666	13455	2334	15789	50.00
10	4689	795	601	6085	326	2923	4980	4543	-948	-855	13049	498	13547	2692	16239	50.03
11	4607	883	597	6087	374	2933	5197	4802	-1141	-1079	13143	370	13513	2940	16453	50.04
12	4564	915	598	6077	381	2785	5269	4960	-1259	-1113	13117	426	13543	2990	16533	50.02
13	4529	761	589	5879	267	2746	5237	5121	-1231	-1115	12908	550	13458	2985	16443	50.02
14	4502	759	586	5847	223	2653	5159	5238	-1118	-1016	12964	455	13419	2895	16314	50.01
15	4420	965	573	5958	218	2635	5252	5422	-1167	-1057	13202	314	13516	2964	16480	49.97
16	4342	1349	586	6277	208	2617	5258	5493	-1163	-1062	13559	269	13828	2988	16816	49.96
17	4317	1140	590	6047	208	2616	5227	5205	-1165	-1078	13023	303	13326	2985	16311	49.96
18	4315	363	598	5276	170	2576	5022	4826	-1008	-1071	11801	376	12177	2945	15122	50.06
19	4375	434	596	5405	220	2773	5131	5317	-1115	-1064	12672	330	13002	2956	15958	49.99
20	4303	507	613	5423	305	2782	5186	5114	-1094	-1042	12604	503	13107	2912	16019	50.17
21	4272	170	611	5053	364	2745	5058	5078	-968	-929	12351	370	12721	2773	15494	50.07
22	4334	91	611	5036	384	2841	4973	4637	-894	-814	12111	232	12343	2597	14940	50.06
23	4287	92	607	4986	404	2681	4761	4815	-826	-847	12063	113	12176	2518	14694	50.07
24	4254	77	611	4942	381	2535	4711	4994	-901	-817	12058	93	12151	2324	14475	50.07
MUs	107.21	11.10	14.57	132.88	6.89	66.07	115.53	113.45	-21.68	-20.27	299.42	8.36	307.78	60.28	368.06	50.04

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/Oct/2013

Position as on 6.30 Hrs of 23/Oct/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
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	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/10/2013	20.14		Continued.	I D fan problem	
Koradi Unit 5	200	16/10/2013	10.47		Continued.	Bearing Tempe. High.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Parli Unit 5	210	21/10/2013	00.36		Continued.	Boiler Validity Exten.	
Koyna Unit 3	75	22/10/2013	00.02		Continued.	Trash Rack Work.	27/10/2013
Koyna ST-IV 2	250	22/10/2013	02:55	22/10/2013	03.45	Generator Transfarmer Tripped.	
CPP INDIABULLS	270	22/10/2013	13.32		Continued.	Boiler Problem.	
Paras Unit 4	250	23/10/2013	03.21	23/10/2013	05.42	Flame Failure.	
Parli Unit 6	250	23/10/2013	05.50		Continued.	Bunker Problem.	

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

Position as on 6.30 Hrs of 23/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Butibori MIDC - Vipl ckt - III (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	21/10/2013	16:35	22/10/2013	09.32	Over Voltage.
Dhule-Sar'Sarovar - II	21/10/2013	23.46	22/10/2013	08.25	Over Voltage.
Kolhapur - Mapusa - II	22/10/2013	21.28		Continued.	Over Voltage.
Solapur - Solapur (PG)	22/10/2013	22.00	23/10/2013	05.58	Over Voltage.
Dhule-Sar'Sarovar - II	23/10/2013	02.27		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		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
Dabhol - NewKoyna - II	22/10/2013	03:04	22/10/2013	05:45	Over Voltage.
Karad - Solapur (PGCIL)	22/10/2013	03:04	22/10/2013	05:57	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Taps - Borivali	22/10/2013	11.44	22/10/2013	16.04	Dist Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
400/220 KV 315 MVA ICT-II @ Lonikand	14/10/2013	13.50	22/10/2013	18.10	Repl.of CB Under Jica and ICT is on TBC.
400/220 KV 315 MVA ICT-II @ Dhule	19/10/2013	09.40		Continued.	Annual Maintenance & Testing Work.
400/220KV, 315MVA ICT-I @ New Koyna.	21/10/2013	08:27	22/10/2013	17.30	Hot Spot.
Deepnagar-Waluj II	22/10/2013	08.15		Continued.	For LILO work of Taptitanda & RFC 18.57Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Wardha-Deoli	18/10/2013	11.10	22/10/2013	19.12	Outage,Ready for Charging from 20.00 hrs on dt 18.10.13.
Kandalgaon - ONGC	20/10/2013	08.11		Continued.	Replqacement of CB & CT Under Jaica.
Borivali(M)-Borivali(Rel)2	20/10/2013	09.26		Continued.	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.
220/132 KV 200 MVA ICT-IV @ Nasik OCR	21/10/2013	09:30		Continued.	For 3 days complete wiring of HV & LV CB/CTs,Testing work.

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

Position as on 6.30 Hrs of 23/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa - Siemens	22/10/2013	06.14	22/10/2013	10.33	Hot Spot, Taken in service thr TBC.
Pophali - Panama	22/10/2013	09.50	22/10/2013	18.40	Repl of old E/w.
Pedambe - Adlab	22/10/2013	09.55	22/10/2013	15.50	To attend Hot Spot.
Abhijeet-Wardha-I	22/10/2013	10.02	22/10/2013	16.35	For Disconnecting the jumper connected on 20.07.2013
Butibori-Abhijeet ckt.	22/10/2013	10.02	22/10/2013	16.22	For Disconnecting the jumper connected on 20.07.2013
ICL - Harangool Ckt.II	22/10/2013	10.02	22/10/2013	11.39	Broken disc insulator.
220KV PT at Murud	22/10/2013	11.51	22/10/2013	12.52	Maint.of PT and allied Equip.
Murud-Tuljapur	22/10/2013	11.51	22/10/2013	12.52	Annual maint.work.
Dondaicha - Jamde - II.	22/10/2013	14.05	22/10/2013	16.44	Tan delta testing work.
220KV TBC Bay @ Chandrapur.	22/10/2013	14.45	22/10/2013	17.25	Measurement of BKR Timings.
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 - II	28/09/2013	21:34		Continued.	Over Voltage.
Chandrapur - Parli - II	12/10/2013	17.43		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/10/2013	00.10	23/10/2013	06.38	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur-Phursungi-I	21/10/2013	21:23		Continued.	H/T to Control L/L.
Jambhul - Anandnagar	21/10/2013	22:35		Continued.	B Ph Wave Trap Jumper open.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - I	22/10/2013	03:03	22/10/2013	03:50	Over Voltage.
Karad - Kolhapur - II	22/10/2013	03:03	22/10/2013	08.17	Over Voltage.
Karad-Jaigad I	22/10/2013	03:03	22/10/2013	08.50	Over Voltage.
Nagothane-Dabhol-I	22/10/2013	03:04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Prabhani	22/10/2013	04.00	22/10/2013	04.19	Dist Prot.
Gangakhed - Sonpeth	22/10/2013	12.22	22/10/2013	12.55	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	138
Unit 7	210	148
	620	286
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	215
Unit 5	500	
	1420	355
Parli		
Unit 3	210	0
Unit 4	210	132
Unit 5	210	0
Unit 6	250	62
Unit 7	250	175
	1130	369
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1470
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	150
Unit 4	210	200
Unit 5	500	450
	1340	1080
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	610
	852	610
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	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	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	124
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	778
WARDHA	405	235
Adani	1320	1851
Other CPPs	300	0
	3225	2864
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5248
	3455	5248