



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Apr/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.446	1834.349	1) Gujrat	9.550	223.049
2) Hydro	7.865	145.633	2) Madhya Pradesh	20.114	320.265
3) Gas	14.454	193.001	3) Chattisgarh	8.660	128.770
Total MSGENCO	132.765	2172.983	4) Maharashtra	62.255	1056.932
B) 1) JSW JAIGAD	23.989	388.358	5) Goa	-4.059	-94.654
2) WPCL	7.142	116.640	6) TAPS 1&2 Injection	3.901	36.963
3) ADANI	14.620	178.780	7) RGPPL Injection	12.831	303.893
4) Other CPP / IPP	12.928	170.745	8) Pench (Excess)	-0.107	-4.105
5) Wind Generation	20.457	164.270	# Total Cent. Sector	113.145	1971.113
6) PENCH (MS)	0.107	4.105	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.023	-210.147
1) TPCL Thermal	26.735	412.196	G) Bilateral Power *		
2) TPCL Hydro	3.967	59.612	1) MSEDCL Bilateral	47.224	711.734
TOTAL TPCL	30.702	471.808	Include PX	7.709	129.918
3) REL Thermal	12.593	201.089	2) MUMBAI Bilateral	16.242	241.321
D) STATE			Include PX	4.463	60.198
1) Thermal (A1+C1+C3)	149.774	2447.634	3) MUMBAI Schedule	16.242	241.321
2) Hydro (A2+B5+C2)	11.939	209.350	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.454	193.001	1) MSEDCL	311.130	4956.847
4) Wind (B4)	20.457	164.270	2) TPCL	37.461	580.967
5) CPP (B1+B2+B3)	58.679	690.363	3) REL	19.851	302.012
TOTAL STATE	255.303	3704.618	TOTAL STATE	368.442	5839.826

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4410	4621	4711
MSGENCO Hydro	544	194	133
MSGENCO Gas	596	625	590
MSGENCO Total Generation	5550	5440	5434
Central Sector Receipt	5774	5300	3717
WIND	947	1047	978
CPP / IPP	2575	2454	2445
Exchange with Mumbai	-891	-877	-114
MSEDCL DEMAND MET	13955	13364	12460
Load Shedding	543	202	195
MSEDCL DEMAND	14498	13566	12655
TPCL GENERATION	1437	1442	1071
R-INFRA GENERATION	526	525	524
TPCL+R-INFRA DEMAND	2854	2844	1709
STATE DEMAND MET	16809	16208	14169
STATE DEMAND	17352	16410	14364
Frequency (Hz)	50.07	50.13	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.59 Hz at 18.00 Hrs	49.66 Hz at 19.08 Hrs	50.05	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 16/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	4.03	61.03	185	152	165
Unit 7	3.81	64.99	175	125	155
Total	7.85	126.01			320
Bhusawal					
Unit 2	3.78	62.46	170	140	170
Unit 3	3.80	62.72	165	140	170
Unit 4	6.09	126.66	345	185	200
Unit 5	0.59	45.70	140	0	
Total	14.26	297.54			540
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	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	0.00	47.45	0	0	0
Unit 2	3.86	59.00	167	157	160
Unit 3	4.84	63.40	207	196	200
Unit 4	4.71	69.73	200	187	200
Unit 5	10.83	116.11	460	435	450
Unit 6	10.44	149.80	448	415	450
Unit 7	8.45	146.96	402	270	425
Total	43.14	652.44			1885
Paras					
Unit 3	5.63	94.38	258	174	230
Unit 4	5.38	79.99	245	189	230
Total	11.01	174.38			460
Khaparkheda					
Unit 1	3.11	59.58	155	100	160
Unit 2	3.22	55.26	160	100	155
Unit 3	3.71	60.10	162	145	160
Unit 4	3.89	64.01	185	150	170
Unit 5	6.83	143.37	360	150	300
Total	20.77	382.32			945
Nasik					
Unit 3	4.54	71.00	200	175	195
Unit 4	4.37	58.41	189	174	185
Unit 5	4.52	72.25	200	173	195
Total	13.42	201.66			575
Uran					
All Units	14.45	193.00	628	475	580
Total	14.45	193.00			580
PENCH (MS)					
Pench (MS)	0.11	4.10	47	0	
Total	0.11	4.10			
Koyna					
Stage 1-2	2.86	40.27	510	40	530
Stage 4	0.51	16.33	280	0	250
Stage 3	0.30	12.27	114	0	240
Kovna 12&4 Total	3.37	56.60			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.67	68.88			1020
Hydro					
KDPH	0.88	11.67	37	36	36
VTRNA	0.91	15.45	61	0	60
TILLARI	0.34	5.66	60	0	60
BHTGR/VEER	0.05	0.73	2	2	0
BHIRA T.R.	0.18	2.92	56	0	80
RNGR+BHTSA	0.31	5.01	13	13	15
BHANDARDRA	0.00	1.30	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.01	16.24	42	42	0
GHATGHAR	0.51	17.78	185	0	0
Total	4.20	76.76			251
Wind					
MalharPeth	0.65	8.09			
Vankuswadi	1.19	10.90			
ATIT	0.19	3.05			
Kale	0.59	4.13			
Satara	4.06	13.43			
Shirala	0.98	6.05			
K Mahankal	0.06	11.98			
Supa	0.13	2.24			
Vita	2.28	18.00			
Dondaicha	7.47	58.89			
Sakri	0.90	7.65			
Nandurbar	0.81	6.50			
Khandke	0.56	7.33			
Khaparale	0.60	6.03			
Total	20.46	164.27			
CPP					
JSW JAIGAD	23.99	388.36	1101	951	1006
WARDHA	7.14	116.64	331	196	328
Adani	14.62	178.78	620	600	617
Other CPPs	12.93	170.74			
Total	58.68	854.52			1951
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.78	173.22	501	415	500
Trombay 6	4.34	70.20	216	149	500
Trombay 7A	2.99	47.05	126	122	120
Trombay 7B	1.60	25.74	68	65	60
Trombay 8	6.02	95.99	253	249	250
TATA Hydro	3.97	59.61	454	0	447
Total	30.70	471.81			1877
REL					
1&2	12.59	201.09	527	522	500
Total	12.59	201.09			500
Cent Sect					
Share					5652
Total					5652

MS PG CL	Thermal	110.45	1834.35			4725
	Thml+Gas	124.90	2027.35			5305
	Hydro	7.86	145.63			1271
	Total	132.76	2172.98			6576
State Total		255.30	3704.62			16556

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4793	318	589	5700	771	2567	4593	4444	-613	-467	13015	151	13166	2104	15270	50.04
2	4757	217	590	5564	933	2483	4475	4141	-495	-305	12816	180	12996	1898	14894	50.03
3	4702	133	588	5423	949	2443	4339	4008	-479	-182	12641	199	12840	1775	14615	50.14
4	4711	133	590	5434	978	2445	4251	3717	-389	-114	12460	195	12655	1709	14364	50.08
5	4608	139	589	5336	805	2441	4226	4043	-362	-90	12535	224	12759	1685	14444	49.99
6	4531	159	592	5282	805	2447	4253	4382	-463	-114	12802	450	13252	1745	14997	49.97
7	4626	154	599	5379	790	2415	4596	4567	-474	-178	12973	885	13858	1811	15669	50.01
8	4632	183	600	5415	764	2484	4645	4502	-479	-320	12845	870	13715	1939	15654	50.02
9	4587	214	596	5397	836	2518	4907	4587	-600	-568	12770	829	13599	2238	15837	50.09
10	4529	459	601	5589	907	2527	5359	5284	-771	-700	13607	552	14159	2597	16756	49.95
11	4410	544	596	5550	947	2575	5597	5774	-918	-891	13955	543	14498	2854	17352	50.07
12	4407	301	610	5318	1001	2564	5725	5654	-994	-956	13581	704	14285	2911	17196	50.09
13	4428	236	610	5274	1018	2560	5556	5199	-981	-898	13153	839	13992	2890	16882	50.14
14	4433	200	609	5242	1078	2450	5239	5187	-951	-850	13107	669	13776	2796	16572	50.14
15	4451	204	616	5271	953	2428	5219	5329	-952	-885	13096	431	13527	2832	16359	50.00
16	4520	194	619	5333	1098	2414	5280	5571	-971	-892	13524	279	13803	2863	16666	50.12
17	4621	194	625	5440	1047	2454	4850	5300	-958	-877	13364	202	13566	2844	16410	50.13
18	4564	319	627	5510	1093	2414	4240	4155	-879	-962	12210	216	12426	2785	15211	50.17
19	4573	264	628	5465	972	2344	4237	4209	-749	-1024	11966	219	12185	2638	14823	50.19
20	4697	614	625	5936	722	2302	4388	4333	-530	-631	12702	269	12971	2743	15714	49.90
21	4733	565	627	5925	529	2312	4422	4487	-535	-551	12749	213	12962	2646	15608	49.91
22	4719	665	627	6011	447	2313	4400	4637	-549	-503	12925	149	13074	2449	15523	50.00
23	4714	713	626	6053	483	2306	4462	4795	-582	-538	13099	115	13214	2319	15533	50.03
24	4700	743	475	5918	531	2473	4477	4840	-568	-527	13235	99	13334	2247	15581	50.05
MUs	110.45	7.86	14.45	132.76	20.46	58.68	113.74	113.14	-16.24	-14.02	311.13	9.48	320.61	57.32	377.93	50.05

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 16/Apr/2013

Position as on 6.30 Hrs of 17/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
Chandrapur Unit 1	210	15/04/2013	23.42		Continued.	Boiler validity ext.	
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.	
CPP WPCL U-4	135	04/02/2013	19.16	17/04/2013	03.03	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 1B	230	13/04/2013	01.22		Continued.	Gas Shortage.	
Dabhol 1A	230	14/04/2013	01.22		Continued.	Gas Shortage.	
Dabhol 1X	290	14/04/2013	01.24		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	16/04/2013	04.25		Continued.	Furnace Pressure High.	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.(4 days outage)	
CPP WPCL U-3	135	16/04/2013	18.30		Continued.	Filter replacement.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
Uran Unit 5	108	16/04/2013	23.42		Continued.	Filter replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2013

Position as on 6.30 Hrs of 17/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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.
Dhule-S'Sarovar I	11/04/2013	02.09	16/04/2013	07.39	Over Voltage.
Kolhapur - Mapusa - II	15/04/2013	17.19	16/04/2013	09.25	Over Voltage.
Kolhapur - Mapusa - I	16/04/2013	17.06		Continued.	Over Voltage.
Dhule - S'Sarovar- II	16/04/2013	18.13		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mahalakshmi - Amona	15/04/2013	23.48	16/04/2013	00.48	Dist Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Newkoyna - Jaigad - I	16/04/2013	07.51	16/04/2013	11.38	Cold line washing insulator.
400/220 KV,500 MVA ICT-I at Lamboti.	16/04/2013	08.42	17/04/2013	00.04	Overhauling and replacement of OLTC oil.
New Koyna - Stage IV	16/04/2013	08.43	16/04/2013	18.28	Cold line washing of insulator.
Deepnagar-Aurangabad-I	16/04/2013	10.52	16/04/2013	17.06	Relay testing work of line R.M.Work.
Bablsr-Padgha Ckt I	16/04/2013	10.54	16/04/2013	16.44	BKR Testing work,Taken on TBC.
400/220 KV 315MVA ICT-II @ Karad	16/04/2013	12.43	16/04/2013	17.22	Tertiary side insulator coating and tan delta of HV & LV CT & Bushing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Kandalgaon - Topworth	15/04/2013	08.20		Continued.	Repl.of CB under JICA II at K'gaon
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.
Butibori-Indorama	16/04/2013	07.00	16/04/2013	23.57	R.M.Work
220/100 KV 100 MVA T/F - IV @ Kandalgaon	16/04/2013	08.10	16/04/2013	23.45	Panel errection work.
Nivali-Pawas	16/04/2013	08.39	16/04/2013	13.00	Cold line washing of insulator.
220/132 KV 200 MVA ICT-I @ Harangul	16/04/2013	08.42	16/04/2013	12.00	HV & LV side hot spot attending.
220/33KV,125MVA T/F-2 at Goregaon	16/04/2013	09.56	16/04/2013	18.23	Maintenance work.
Karad-Mudsingi-IV	16/04/2013	10.00	16/04/2013	18.06	Cold line washing insulator.
Temghar-Colourchem	16/04/2013	11.30	16/04/2013	13.24	Red Hot.
Bhenda-Waluj	16/04/2013	12.02	16/04/2013	13.46	Removal of cloth from Loc.no 15.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Parly - Harangool - II	16/04/2013	14.45	16/04/2013	18.17	To attend problem in breaker.
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2013

Position as on 6.30 Hrs of 17/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Aurangabad-Deepnagar-II	21/03/2013	11.15	16/04/2013	10.47	Hand Tripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/04/2013	17.02		Continued.	Over Voltage.
Karad - Kolhapur - II	15/04/2013	17.59	16/04/2013	08.15	Over Voltage.
Karad - Kolhapur - I	16/04/2013	18.06		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.
Vita - Lamboti	16/04/2013	08.37	16/04/2013	18.07	ICT-I outage at Lamboti.
Vita - Lamboti	16/04/2013	22.49	17/04/2013	00.43	ICT-I outage at Lamboti.
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.
Padgha - Nagothane - I	16/04/2013	04.01	16/04/2013	08.17	Over Voltage.
Wardha-Warora-II	16/04/2013	18.01	16/04/2013	22.48	Over Voltage.
Padgha - Nagothane - I	17/04/2013	03.51		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 200MVA ICT-II at Ambazari	16/04/2013	05.05	16/04/2013	10.22	Oil leakage from B-Ph CT.
Voltage Level : 132KV			Outage Type TRIPPED		
Durgowada - Daryapur	15/04/2013	03.45		Continued.	25 MVA R Ph.C T Burst.
Gondia - Amgaon RLY TSS - I	16/04/2013	07.15	16/04/2013	13.15	Back up prot.operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	376
Unit 5	500	
	1420	706
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	0
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	1885
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	180
Unit 5	500	400
	1340	1060
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	580
	852	580
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	251
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	1005
WARDHA	405	328
Adani	1320	617
Other CPPs	0	
	2925	1950
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	5556
	3455	5556