



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/May/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.525	3456.623	1) Gujrat	5.557	204.925
2) Hydro	7.465	409.698	2) Madhya Pradesh	16.432	593.998
3) Gas	13.419	366.462	3) Chattisgarh	8.880	257.070
Total MSGENCO	138.409	4232.783	4) Maharashtra Net	93.752	2560.848
B) 1) JSW JAIGAD	26.884	611.210	(Incl. 765kV Solapur-Raichur)	-1.780	-17.310
2) WPCL	2.522	77.987	5) Goa	-7.292	-201.944
3) ADANI	38.170	1156.553	6) TAPS 1&2 Injection	7.374	214.445
4) Other CPP / IPP	24.281	653.191	7) RGPPL Injection	0.000	0.000
5) Wind Generation	20.232	379.187	8) Pench (Excess)	-0.322	-5.492
6) PENCH (MS)	0.322	5.492			
7) SOLAR	1.166	29.632	# Total Cent. Sector	124.381	3623.850
C) 1) TPCL Thermal	19.357	540.773	F) Other Exchanges		
2) TPCL Hydro	5.579	123.608	1) With TPCL (Excess)	-28.328	-753.949
TOTAL TPCL	24.936	664.381	G) Bilateral Power *		
3) REL Thermal	12.234	355.046	1) MSEDCL Bilateral	29.208	790.557
D) STATE			Include PX	0.697	120.695
1) Thermal (A1+C1+C3)	149.116	4352.442	2) MUMBAI Bilateral	27.822	785.093
2) Hydro (A2+B6+C2)	13.366	538.798	Include PX	9.165	89.712
3) Gas (A3)	13.419	366.462	3) MUMBAI Schedule	27.822	789.401
4) Wind (B5)	20.232	379.187	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	91.857	2498.941	1) MSEDCL	348.039	10015.936
6) SOLAR (B7)	1.166	29.632	2) TPCL	41.579	1130.045
TOTAL STATE	289.156	8165.462	3) REL	23.918	643.298
			TOTAL STATE	413.536	11789.279

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5464	5488	5017
MSGENCO Hydro	221	124	91
MSGENCO Gas	576	574	588
MSGENCO Total Generation	6261	6186	5696
Central Sector Receipt	5827	6021	4625
WIND	674	657	968
CPP / IPP	3767	3910	3780
SOLAR	155	158	0
Exchange with Mumbai	-1375	-1303	-965
MSEDCL DEMAND MET	15309	15629	14104
Load Shedding	710	396	201
MSEDCL DEMAND	16019	16025	14305
TPCL GENERATION	1349	1357	713
R-INFRA GENERATION	515	521	413
TPCL+R-INFRA DEMAND	3239	3181	2091
STATE DEMAND MET	18548	18810	16195
STATE DEMAND	19258	19206	16396
Frequency (Hz)	49.97	49.89	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 05:58 Hrs	49.58 Hz at 19:40 Hrs	49.94	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 29/May/2014

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	3.74	93.38	165	147	160
Unit 7	3.77	90.25	170	145	160
Total	7.51	183.63			320
Bhusawal					
Unit 2	3.19	83.93	150	120	125
Unit 3	3.18	76.84	155	125	125
Unit 4	8.08	244.19	500	295	300
Unit 5	8.72	198.26	430	300	420
Total	23.16	603.22			970
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.27	44.72	149	109	140
Unit 5	0.00	97.58	0	0	0
Unit 6	4.16	135.42	191	165	178
Unit 7	4.08	107.96	184	148	172
Total	11.51	385.68			490
Chandrapur					
Unit 1	3.32	94.81	142	132	150
Unit 2	3.88	95.12	165	149	165
Unit 3	3.90	43.75	174	135	160
Unit 4	4.75	127.35	202	194	210
Unit 5	8.68	203.34	458	205	425
Unit 6	7.43	260.89	390	200	380
Unit 7	8.13	246.57	410	225	400
Total	40.09	1071.83			1890
Paras					
Unit 3	4.48	117.21	214	174	200
Unit 4	5.42	137.52	242	208	250
Total	9.90	254.73			450
Khaparkheda					
Unit 1	3.58	102.04	160	130	150
Unit 2	0.00	80.92	0	0	0
Unit 3	4.23	96.84	194	172	160
Unit 4	4.21	100.53	207	167	160
Unit 5	8.78	246.47	493	340	350
Total	20.80	626.80			820
Nasik					
Unit 3	0.01	116.24	10	0	0
Unit 4	4.53	119.57	197	176	190
Unit 5	0.00	94.92	0	0	0
Total	4.54	330.73			190
Uran					
All Units	13.42	366.46	610	432	520
Total	13.42	366.46			520
PENCH (MS)					
Pench (MS)	0.32	5.49	27	0	0
Total	0.32	5.49			0
Koyna					
Stage 1-2	2.18	100.83	275	40	600
Stage 4	0.76	130.38	280	0	250
Stage 3	0.50	52.33	160	0	320
Kovna 12&4 Total	2.93	231.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.43	283.54			1170
Hydro					
KDPH	0.33	8.20	22	10	22
VTRNA	0.60	33.80	61	0	61
TILLARI	0.37	13.82	62	0	64
BHTGR/VEER	0.00	1.37	0	0	0
BHIRA T.R.	0.33	7.81	40	0	40
RNGR+BHTSA	0.26	6.72	11	10	11
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.48	17.37	27	17	10
GHATGHAR	1.66	24.50	258	0	0
Total	4.04	126.16			208
Wind					
MalharPeth	0.35	6.61			
Vankuswadi	0.65	14.42			
ATIT	0.10	1.59			
Kale	0.14	3.96			
Satara	5.74	124.76			
Shirala	0.40	7.24			
K Mahankal	0.07	0.94			
Supa	0.13	3.98			
Vita	2.16	31.67			
Dondaicha	7.48	130.11			
Sakri	0.98	17.29			
Nandurbar	0.80	12.50			
Khandke	0.25	8.52			
Khaparale	0.99	15.58			
Total	20.23	379.19			
CPP					
JSW JAIGAD	26.88	611.21	1213	922	1085
WARDHA	2.52	77.99	107	102	105
Adani	38.17	1156.55	1814	1094	1823
Other CPPs	24.28	653.19			870
Total	91.86	2498.94			3883
SOLAR					
Total	1.17	29.63			
Total	1.17	29.63			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.14	304.27	501	316	500
Trombay 6	4.37	113.86	277	155	500
Trombay 7A	2.39	77.45	123	83	120
Trombay 7B	1.46	45.20	69	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.58	123.61	471	0	447
Total	24.94	664.38			1627
REL					
1&2	12.23	355.05	524	406	500
Total	12.23	355.05			500
Cent Sect					
Share					6195
Total					6195
MS PG CL	Thermal	117.52	3456.62		5130
	Thml+Gas	130.94	3823.08		5650
	Hydro	7.46	409.70		1378
	Total	138.41	4232.78		7028
State Total		289.16	8165.46		19233

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/May/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5055	515	551	6121	810	4091	0	4986	4930	-1149	-1248	14724	126	14850	2614	17464	49.91
2	5044	387	551	5982	818	4008	0	4958	4811	-1005	-1071	14551	193	14744	2388	17132	49.98
3	4985	193	551	5729	857	3973	0	4898	4478	-892	-888	14149	193	14342	2243	16585	50.00
4	4976	91	558	5625	994	4043	0	4862	4576	-839	-795	14443	200	14643	2137	16780	50.03
5	5017	91	588	5696	968	3780	0	4858	4625	-803	-965	14104	201	14305	2091	16396	50.01
6	5033	90	610	5733	907	3865	0	4919	4735	-857	-1057	14190	287	14477	2115	16592	50.05
7	5071	132	606	5809	937	3917	5	4945	4472	-857	-945	14215	588	14803	2086	16889	50.07
8	5096	151	586	5833	775	3977	30	5038	4971	-956	-975	14638	572	15210	2180	17390	50.02
9	5091	204	568	5863	540	4081	71	5070	5067	-1032	-1102	14547	588	15135	2472	17607	49.97
10	5033	397	564	5994	406	3804	115	5690	5711	-1126	-1230	14827	467	15294	2850	18144	49.97
11	5019	469	581	6069	417	3776	145	6096	6059	-1360	-1363	15129	493	15622	3121	18743	50.01
12	5112	339	571	6022	472	3623	157	6290	6018	-1470	-1355	14964	598	15562	3207	18769	50.01
13	5464	221	576	6261	674	3767	155	6099	5827	-1482	-1375	15309	710	16019	3239	19258	49.97
14	5488	124	574	6186	657	3910	158	6044	6021	-1414	-1303	15629	396	16025	3181	19206	49.89
15	5435	119	574	6128	783	3700	129	6129	5991	-1450	-1377	15354	346	15700	3238	18938	49.87
16	4939	392	576	5907	1029	3789	100	6169	6108	-1489	-1362	15571	350	15921	3240	19161	49.81
17	4460	671	580	5711	1080	3851	65	5477	5488	-1453	-1327	14868	351	15219	3239	18458	49.92
18	4391	191	586	5168	1073	3758	30	4998	4595	-1224	-1338	13286	311	13597	3099	16696	49.98
19	4422	177	589	5188	1168	3799	6	4575	4428	-922	-1282	13310	324	13634	2926	16560	49.95
20	4433	349	587	5369	917	3925	0	5002	4870	-1148	-1207	13901	412	14313	2896	17209	49.78
21	4462	184	587	5233	1063	3951	0	5131	5012	-1194	-1170	14116	322	14438	2807	17245	49.86
22	4476	473	440	5389	987	3435	0	5144	5027	-1177	-1109	13756	209	13965	2717	16682	49.92
23	4518	588	433	5539	951	3585	0	5166	5215	-1233	-1211	14106	165	14271	2698	16969	49.83
24	4505	917	432	5854	949	3449	0	5234	5346	-1291	-1273	14352	127	14479	2714	17193	49.86
MUs	117.5 2	7.46	13.42	138.41	20.23	91.86	1.17	127.78	124.38	-27.82	-28.33	348.04	8.53	356.57	65.50	422.07	49.94

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 29/May/2014

Position as on 6.30 Hrs of 30/May/2014

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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Adani U-2	660	27/05/2014	17.19	30/05/2014	15.52	BLR T/L.	
Nasik Unit 3	210	27/05/2014	20.35	29/05/2014	21.30	BLR Validity Extn.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Nasik Unit 5	210	28/05/2014	20.00	30/05/2014	06.55	PA Fan Problem.	
Nasik Unit 3	210	29/05/2014	21.50	30/05/2014	23.45	Trip.	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/May/2014

Position as on 6.30 Hrs of 30/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoiser - Tarapur - I	30/05/2014	08.05	30/05/2014	20.05	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	29/05/2014	01.56	29/05/2014	08.10	Over Voltage.
Kolhapur - Mapusa - I	29/05/2014	17.36	30/05/2014	08.36	Over Volatge.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha (PG) - Warora - I	29/05/2014	15.40	29/05/2014	17.35	Distance Prot.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	29/05/2014	22.27	30/05/2014	06.22	PM Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand -I	29/05/2014	09.38	29/05/2014	13.12	Taken On TBC at Parley end To Attend Hot Spot.
Main Bus - II @ Koradi	29/05/2014	10.25	29/05/2014	15.45	RMW Along With Tan Delta for 400kv CTS & CVTs.
400/220KV,315 MVA ICT-I at BBLSR	29/05/2014	17.53	29/05/2014	20.50	PM Work.
400/220KV 315MVA ICT-II @ Kharghar	30/05/2014	08.37	30/05/2014	20.47	Maint.work
400/220 KV 315 MVA ICT-II @ Dhule	30/05/2014	09.30	30/05/2014	20.58	Repl.of B Phase Relay
400/220KV 315 MVA ICT-I @ Padgha	30/05/2014	09.42	30/05/2014	14.50	Repl.of Bucholz relay of R phase Unit
Khaparkheda - Chandrapur	30/05/2014	10.00	30/05/2014	18.46	Relocation
Koradi - Bhusawal	30/05/2014	12.58	30/05/2014	13.20	Removal of Line Reactor
400/220KV 315 MVA ICT-II @ Padgha	30/05/2014	15.00	30/05/2014	17.12	P.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalyani-Baramati Agro	29/05/2014	08.00	29/05/2014	09.05	Out Insulator Three Jumpers Connectionunder Jica-2.
Apta-Uran-IV	29/05/2014	08.22	29/05/2014	19.50	Replacement Of Cut point and Suspension Disc Insulator.
Baramati-Kalyani	29/05/2014	09.10	29/05/2014	19.25	Replacement Of Line Insulator Under Jica-2.
Babaleshwar - Alephata	29/05/2014	09.30	29/05/2014	20.54	Fixing Of Vibration Damper.
220/100 KV 125MVA ICT-II @ Borivali	29/05/2014	09.40	29/05/2014	15.22	Annual Maintenance Work.
Jejuri-Jejuri I	29/05/2014	09.41	29/05/2014	15.53	A.M.Work.
220/132 KV, 200 MVA ICT - 6 at Nasik	29/05/2014	09.46	29/05/2014	20.09	Emergency Outage Jump Reconnect Work.
Pirangut - Hinjewadi - II	29/05/2014	11.52	29/05/2014	14.40	Hot Spot Attending Work.
220KV PT bay at Hinjewadi-I	29/05/2014	15.05	29/05/2014	15.45	Emergency tage To Attend R Ph PT Leakage.
Chalisgaon - Malegaon	30/05/2014	06.20		Continued.	Bus outage at Malegaon.
Dhule - Malegaon	30/05/2014	06.21	30/05/2014	20.04	Bus outage At Malegaon.
220kv Main Bus @ Malegaon	30/05/2014	06.27	30/05/2014	10.34	Replacement Of Main Bus Conductor due to Broken Stands.
Dhule - Malegaon	30/05/2014	06.27	30/05/2014	20.04	Bus Outage at Malegaon
Parli Extn. - Parli -1 @	30/05/2014	08.09		Continued.	Repl.of Bolted type Jumper CT& WT

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/May/2014

Position as on 6.30 Hrs of 30/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Parli					
Apta-Uran-IV	30/05/2014	08.32	30/05/2014	18.40	Repl.of Cut point and Suspension Disc Insulator
Parly - Harangool - II	30/05/2014	17.55		Continued.	Hot Spot
Voltage Level : 132KV		Outage Type PLANNED OUTAGE			
Phursungi-Phursungi II	29/05/2014	10.37	29/05/2014	12.57	Half Yearly Maintenance Work.
Yawat - Theur	29/05/2014	11.34	29/05/2014	15.43	Maintenance Work.
Voltage Level : 100KV		Outage Type PLANNED OUTAGE			
Kalwa - Washi	29/05/2014	06.30	29/05/2014	08.41	Hot Spot Attending Work.
Voltage Level : 220KV		Outage Type FORCED OUTAGE			
Bale-Usmanabad	30/05/2014	10.22	30/05/2014	13.26	Armoring work at Loc.No.135
Voltage Level : 400KV		Outage Type HAND TRIPPED			
Karad - Kolhapur - II	28/05/2014	16.12	29/05/2014	07.22	Over Voltage.
Bhusawal- Aurangabad	28/05/2014	17.53	29/05/2014	07.29	Over Voltage.
Karad - Kolhapur - I	29/05/2014	16.31	30/05/2014	08.00	Over Volatge.
Bhusawal- Aurangabad	29/05/2014	18.01	30/05/2014	09.00	Over Volatge.
Voltage Level : 220KV		Outage Type HAND TRIPPED			
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 220KV		Outage Type TRIPPED			
Badnera - Deoli (PGCIL)	29/05/2014	15.40	29/05/2014	16.52	Distance Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	147
Unit 7	210	145
	620	292
Bhusawal		
Unit 2	210	130
Unit 3	210	140
Unit 4	500	300
Unit 5	500	300
	1420	870
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	0
Unit 6	250	165
Unit 7	250	171
	1130	466
Chandrapur		
Unit 1	210	136
Unit 2	210	165
Unit 3	210	172
Unit 4	210	203
Unit 5	500	261
Unit 6	500	239
Unit 7	500	247
	2340	1423
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	840
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	50
	630	440
Uran		
All Units	852	445
	852	445
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	198
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	1100
WARDHA	405	105
Adani	2640	1200
Other CPPs	300	665
	4545	3070
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6111
	3455	6111