



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Oct/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.660	2845.915	1) Gujrat	13.178	285.298
2) Hydro	27.497	418.914	2) Madhya Pradesh	21.298	528.537
3) Gas	11.324	320.457	3) Chattisgarh	11.730	275.110
Total MSGENCO	126.481	3585.286	4) Maharashtra	77.093	1969.561
B) 1) JSW JAIGAD	18.615	615.049	5) Goa	-5.620	-161.690
2) WPCL	5.656	194.397	6) TAPS 1&2 Injection	7.520	193.641
3) ADANI	40.020	994.050	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	4.541	248.774	8) Pench (Excess)	-0.247	-22.390
5) Wind Generation	1.644	174.704	# Total Cent. Sector	124.952	3068.067
6) PENCH (MS)	0.247	22.390	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.037	-626.954
1) TPCL Thermal	22.477	591.462	G) Bilateral Power *		
2) TPCL Hydro	6.085	120.460	1) MSEDCL Bilateral	26.344	657.354
TOTAL TPCL	28.562	711.922	Include PX	3.230	-10.381
3) REL Thermal	12.459	347.209	2) MUMBAI Bilateral	21.081	558.812
D) STATE			Include PX	7.793	158.067
1) Thermal (A1+C1+C3)	122.596	3784.586	3) MUMBAI Schedule	21.081	558.972
2) Hydro (A2+B5+C2)	33.829	561.764	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.324	320.457	1) MSEDCL	302.119	8275.763
4) Wind (B4)	1.644	174.704	2) TPCL	39.556	1088.302
5) CPP (B1+B2+B3)	68.832	1098.240	3) REL	21.500	597.750
TOTAL STATE	238.225	5939.751	TOTAL STATE	363.175	9961.815

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	3616	3603	3638
MSGENCO Hydro	1593	1908	637
MSGENCO Gas	454	455	486
MSGENCO Total Generation	5663	5966	4761
Central Sector Receipt	6053	5618	4498
WIND	40	49	76
CPP / IPP	2870	2840	2711
Exchange with Mumbai	-1185	-1106	-453
MSEDCL DEMAND MET	13441	13367	11593
Load Shedding	598	410	175
MSEDCL DEMAND	14039	13777	11768
TPCL GENERATION	1410	1393	863
R-INFRA GENERATION	519	519	518
TPCL+R-INFRA DEMAND	3114	3018	1834
STATE DEMAND MET	16555	16385	13427
STATE DEMAND	17153	16795	13602
Frequency (Hz)	50.03	49.92	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 10:00 Hrs	49.58 Hz at 18:36 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 29/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.94	19.73	152	102	130
Unit 6	2.65	84.42	130	87	125
Unit 7	3.08	75.94	145	103	135
Total	8.67	180.08			390
Bhusawal					
Unit 2	3.38	43.28	160	125	140
Unit 3	3.24	81.68	145	120	140
Unit 4	5.72	146.58	260	215	258
Unit 5	0.00	91.34	0	0	0
Total	12.34	362.87			538
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.23	95.13	146	117	140
Unit 5	3.48	92.48	166	126	160
Unit 6	3.82	118.95	170	143	155
Unit 7	3.71	116.64	169	142	170
Total	14.24	423.20			625
Chandrapur					
Unit 1	2.65	83.65	132	90	100
Unit 2	2.59	58.91	137	80	80
Unit 3	2.60	77.76	141	88	100
Unit 4	2.85	93.80	135	105	120
Unit 5	0.00	0.00	0	0	0
Unit 6	9.74	231.87	430	365	400
Unit 7	0.00	199.24	0	0	0
Total	20.43	745.23			800
Paras					
Unit 3	4.47	118.42	207	168	200
Unit 4	4.44	114.18	206	160	230
Total	8.90	232.60			430
Khaparkheda					
Unit 1	0.00	93.58	0	0	0
Unit 2	2.09	91.65	120	65	87
Unit 3	3.00	60.77	157	84	132
Unit 4	3.50	118.97	163	128	142
Unit 5	6.06	201.03	275	230	281
Total	14.64	566.00			642
Nasik					
Unit 3	0.00	107.55	0	0	0
Unit 4	4.00	117.20	174	160	190
Unit 5	4.44	111.19	193	167	190
Total	8.43	335.93			380
Uran					
All Units	11.32	320.46	490	454	465
Total	11.32	320.46			465
PENCH (MS)					
Pench (MS)	0.25	22.39	40	0	0
Total	0.25	22.39			0
Koyna					
Stage 1-2	6.18	85.48	525	55	520
Stage 4	14.29	183.79	1105	216	250
Stage 3	5.45	60.04	240	146	240
Kovna 12&4 Total	20.46	269.28			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	25.92	329.32			1010
Hydro					
KDPH	0.00	6.89	0	0	0
VTRNA	0.00	6.93	0	0	0
TILLARI	0.24	8.80	59	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.34	8.26	41	0	40
RNGR+BHTSA	0.38	10.70	16	16	0
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.18	8.36	8	7	0
SMLHY PTN	0.44	15.10	19	18	22
GHATGHAR	0.00	18.04	0	0	0
Total	1.58	87.76			122
Wind					
MalharPeth	0.09	7.84			
Vankuswadi	0.16	13.62			
ATIT	0.01	1.84			
Kale	0.05	5.20			
Satara	0.60	55.39			
Shirala	0.06	5.62			
K Mahankal	0.01	1.36			
Supa	0.04	2.52			
Vita	0.23	26.19			
Dondaicha	0.18	33.99			
Sakri	0.03	5.52			
Nandurbar	0.02	3.08			
Khandke	0.05	5.89			
Khaparale	0.13	6.64			
Total	1.64	174.70			
CPP					
JSW JAIGAD	18.62	615.05	879	742	797
WARDHA	5.66	194.40	238	233	235
Adani	40.02	994.05	1830	1560	1851
Other CPPs	4.54	248.77			0
Total	68.83	2052.27			2883
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.84	305.16	503	429	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.94	78.45	128	111	120
Trombay 7B	1.68	46.03	72	67	60
Trombay 8	6.02	161.82	254	249	250
TATA Hydro	6.08	120.46	463	0	447
Total	28.56	711.92			1377
REL					
1&2	12.46	347.21	522	517	500
Total	12.46	347.21			500
Cent Sect					
Share					5815
Total					5815

MS PG CL	Thermal	87.66	2845.92			3805
	Thml+Gas	98.98	3166.37			4270
	Hydro	27.50	418.91			1132
	Total	126.48	3585.29			5402
State Total		238.22	5939.75			15977

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3591	781	488	4860	74	2700	4611	4951	-878	-775	11823	118	11941	2235	14176	49.96
2	3567	784	489	4840	62	2704	4442	4753	-710	-572	11787	163	11950	2016	13966	49.96
3	3667	658	490	4815	70	2701	4344	4492	-590	-452	11626	172	11798	1897	13695	49.94
4	3638	637	486	4761	76	2711	4295	4498	-539	-453	11593	175	11768	1834	13602	50.01
5	3590	558	479	4627	101	2768	4272	4698	-516	-386	11808	197	12005	1808	13813	49.98
6	3618	742	478	4838	101	2852	4272	4708	-516	-390	12123	397	12520	1871	14391	49.90
7	3652	827	483	4962	144	2916	4351	4556	-539	-455	12150	835	12985	1957	14942	49.90
8	3638	997	480	5115	126	2940	4432	4910	-621	-550	12581	849	13430	2089	15519	50.00
9	3630	1352	476	5458	111	2992	4753	4954	-743	-736	12802	787	13589	2398	15987	50.02
10	3644	1697	466	5807	85	3053	4992	5289	-856	-1071	13185	507	13692	2781	16473	50.04
11	3724	1473	468	5665	55	3008	5657	5933	-1062	-1156	13519	440	13959	3042	17001	50.11
12	3616	1593	454	5663	40	2870	5815	6053	-1203	-1185	13441	598	14039	3114	17153	50.03
13	3634	1595	454	5683	34	2894	5635	5891	-1165	-1163	13339	739	14078	3085	17163	49.93
14	3679	1734	454	5867	27	2872	5249	5550	-1068	-1134	13182	637	13819	3013	16832	50.01
15	3674	1734	463	5871	27	2850	5627	5983	-1114	-1122	13609	460	14069	3039	17108	49.97
16	3687	1874	456	6017	35	2910	5690	5918	-1126	-1113	13767	388	14155	3027	17182	49.92
17	3603	1908	455	5966	49	2840	5485	5618	-1094	-1106	13367	410	13777	3018	16795	49.92
18	3661	1323	463	5447	36	2816	5050	5012	-1038	-1072	12265	572	12837	2952	15789	50.00
19	3633	1193	469	5295	51	2917	4974	5463	-1083	-1037	12729	477	13206	2959	16165	49.92
20	3683	1145	472	5300	59	2921	5068	5235	-1105	-1035	12494	600	13094	2885	15979	50.11
21	3660	785	472	4917	54	2919	4988	5440	-937	-878	12466	412	12878	2722	15600	50.03
22	3717	761	470	4948	64	2904	4973	5174	-884	-785	12305	225	12530	2579	15109	50.01
23	3716	709	480	4905	79	2888	4734	4909	-800	-646	12135	135	12270	2432	14702	50.00
24	3738	637	479	4854	84	2886	4713	4964	-892	-765	12023	112	12135	2305	14440	49.97
MUs	87.66	27.50	11.32	126.48	1.64	68.83	118.42	124.95	-21.08	-20.04	302.12	10.40	312.52	61.06	373.58	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 29/Oct/2013

Position as on 6.30 Hrs of 30/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 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Koyna Unit 11	80	22/10/2013	00.02		Continued.	Trash Track Work	04/11/2013
CPP INDIABULLS	270	22/10/2013	13.32		Continued.	Boiler Problem.	
Nasik Unit 3	210	26/10/2013	22.45		Continued.	UAT Buchholz operated	
Chandrapur Unit 7	500	27/10/2013	09.01		Continued.	Boiler Tube Leakage.	
Khaparkheda Unit 1	210	28/10/2013	20.37		Continued.	Coal Mill Problem.	
Koradi Unit 6	210	30/10/2013	05.45		Continued.	Bunkering Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2013

Position as on 6.30 Hrs of 30/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Talegaon - Talegaon (PGCIL)	29/10/2013	10.29	29/10/2013	18.53	To attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765 KV Wardha - Seoni - I	21/10/2013	17.57		Continued.	Over Voltage.
Kolhapur - Mapusa - II	26/10/2013	17.35		Continued.	over voltage
Lamboti - Solapur (PGCIL)	29/10/2013	17.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	29/10/2013	22.16		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01	29/10/2013	09.47	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08	29/10/2013	10.31	Due to Heavy Rains,7 No's of Towers are Damaged.
Dhule-Sar'Sarovar - I	29/10/2013	00.22	29/10/2013	10.58	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	29/10/2013	12.29		Continued.	Y-Ph LA Burst at K'pur end.
Koradi-Bhilai	30/10/2013	03.21	30/10/2013	03.57	Dist prot at Karadi end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chatering 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.
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
Lonikand - Chakan	29/10/2013	16.41	29/10/2013	18.15	Testing trials of own CB at lonikand.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
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.
Pophali-New Koyna	29/10/2013	08.08	29/10/2013	17.32	Preventive maint.work.
KDPH-Wankuswadi	29/10/2013	09.30	29/10/2013	18.15	Repl.of old insulator string.
Karad - Vita I	29/10/2013	10.20	29/10/2013	13.40	Q.M.Work
Warora-Hinganghat	29/10/2013	12.38	29/10/2013	15.52	Attending Red Hot Spot.
220/100 KV,200 MVA ICT-I @ Apta	29/10/2013	13.42	29/10/2013	14.59	WTI meter Repl.work
Bale - Tuljapur	29/10/2013	16.43	29/10/2013	18.57	Hot Spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-I @ Jejuri	28/10/2013	23.11	29/10/2013	01.59	Attending hot spot on B-Ph stud.
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.
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2013

Position as on 6.30 Hrs of 30/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	28/10/2013	17.10	29/10/2013	10.55	Over Voltage.
Bhusawal- Aurangabad	29/10/2013	17.19		Continued.	Over Voltage.
Chandrapur - Parli - II	29/10/2013	17.43		Continued.	Over Voltage.
Karad - Kolhapur - II	29/10/2013	21.49		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Chandrapur - Parli - III	27/10/2013	13.01	29/10/2013	11.40	Control Line Loading
Karad - Kolhapur - II	28/10/2013	16.55	29/10/2013	11.31	Over Voltage.
Karad-Jaigad I	28/10/2013	16.55	29/10/2013	09.55	Dist.Prot.
Karad - Kolhapur - II	30/10/2013	23.40		Continued.	Over Voltage,DT Sent from Karad.
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
220/132 KV 200 MVA ICT-II @ Kalmeshwar	29/10/2013	09.07	29/10/2013	13.46	Bus Bar Prot Optd again trippd on PDR optd at 09.50Hrs..
Lote - N.Koyna	29/10/2013	11.57	29/10/2013	12.23	Transient Tripping.
Talandge - Sawantwadi	29/10/2013	17.30	29/10/2013	17.43	Dist Prot.
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Pophali - Panama	29/10/2013	19.45	29/10/2013	20.18	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Ujani - I	29/10/2013	04.24	29/10/2013	04.42	Dist Prot.
Gangakhed - Sonpeth	29/10/2013	05.15	29/10/2013	06.00	Dist Prot.
Kalmeshwar-Katol	29/10/2013	09.07	29/10/2013	09.51	Bus Bar Prot Optd.
Main Bus- I @ Kalmeshwar	29/10/2013	09.07	29/10/2013	09.47	Bus Bar Prot Optd.
132/33KV 50 MVA T/F I at Kalmeshwar	29/10/2013	09.07	29/10/2013	10.03	Bus Bar Prot Optd.
132 KV Bus Coupler @ Kalmeshwar	29/10/2013	09.07	29/10/2013	09.47	Bus Bar Prot Optd.
Kalmeshwar-Saoner Ckt.II	29/10/2013	09.07	29/10/2013	09.56	Bus Bar Prot Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	120
	620	230
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	258
Unit 5	500	
	1420	538
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	157
Unit 6	250	156
Unit 7	250	163
	1130	626
Chandrapur		
Unit 1	210	100
Unit 2	210	120
Unit 3	210	100
Unit 4	210	120
Unit 5	500	0
Unit 6	500	425
Unit 7	500	0
	2340	865
Paras		
Unit 3	250	185
Unit 4	250	175
	500	360
Khaparkheda		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	140
Unit 4	210	140
Unit 5	500	250
	1340	660
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	465
	852	465
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	122
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	797
WARDHA	405	235
Adani	1320	1851
Other CPPs	300	
	3225	2883
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	5952
	3455	5952