



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Aug/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.172	2287.600	1) Gujrat	13.575	245.436
2) Hydro	16.510	308.015	2) Madhya Pradesh	25.966	587.447
3) Gas	10.499	303.648	3) Chattisgarh	12.570	339.100
Total MSGENCO	104.181	2899.263	4) Maharashtra	63.526	1691.943
B) OTHERS			5) Goa	-5.365	-160.955
1) JSW JAIGAD	28.605	692.115	6) TAPS 1&2 Injection	3.921	117.715
2) WPCL	4.568	190.445	7) RGPPL Injection	15.870	440.182
3) Other CPP / IPP	5.519	164.054	8) Pench (Excess)	-0.196	-2.178
4) Wind Generation	6.948	644.109	# Total Cent. Sector	129.867	3258.690
5) PENCH (MS)	0.196	2.178	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.478	-338.933
1) TPCL Thermal	27.849	760.644	G) Bilateral Power *		
2) TPCL Hydro	5.009	105.022	1) MSEDCL Bilateral	37.355	797.333
TOTAL TPCL	32.858	865.666	Include PX	10.674	96.820
3) REL Thermal	12.615	360.202	2) MUMBAI Bilateral	10.809	349.374
D) STATE			Include PX	0.931	20.061
1) Thermal (A1+C1+C3)	117.636	3408.446	3) MUMBAI Schedule	10.809	349.374
2) Hydro (A2+B5+C2)	21.715	415.215	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.499	303.648	1) MSEDCL	270.406	7511.921
4) Wind (B4)	6.948	644.109	2) TPCL	37.101	1048.371
5) CPP (B1+B2+B3)	38.692	1046.614	3) REL	17.849	516.385
TOTAL STATE	195.490	5818.032	TOTAL STATE	325.356	9076.677

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	3299	3063	3202
MSGENCO Hydro	1365	164	233
MSGENCO Gas	432	432	450
MSGENCO Total Generation	5096	3659	3885
Central Sector Receipt	5435	5740	5173
WIND	108	480	178
CPP / IPP	1627	1632	1554
Exchange with Mumbai	-517	-427	-171
MSEDCL DEMAND MET	11749	11084	10619
Load Shedding	1138	1198	270
MSEDCL DEMAND	12887	12282	10889
TPCL GENERATION	1816	1713	860
R-INFRA GENERATION	526	523	528
TPCL+R-INFRA DEMAND	2859	2663	1559
STATE DEMAND MET	14608	13747	12178
STATE DEMAND	15746	14945	12448
Frequency (Hz)	49.79	49.95	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 07:09 Hrs	49.24 Hz at 21:05 Hrs	49.9	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/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.21	61.28	110	72	75
Unit 6	0.00	0.00	0	0	0
Unit 7	3.16	76.49	155	110	130
Total	5.37	137.77			205
Bhusawal					
Unit 2	3.72	85.26	170	110	165
Unit 3	0.00	0.87	0	0	0
Unit 4	0.00	76.90	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	3.72	163.04			165
Parli					
Unit 3	3.26	74.38	163	103	135
Unit 4	2.38	83.43	155	0	60
Unit 5	3.16	76.20	149	112	130
Unit 6	0.00	97.69	0	0	0
Unit 7	3.96	16.53	217	127	145
Total	12.77	348.23			470
Chandrapur					
Unit 1	1.77	60.53	86	60	80
Unit 2	0.92	70.35	77	0	80
Unit 3	0.00	26.95	0	0	0
Unit 4	1.11	61.66	78	24	50
Unit 5	5.82	206.67	305	200	275
Unit 6	6.15	37.42	305	170	250
Unit 7	8.28	231.40	366	291	350
Total	24.06	694.98			1085
Paras					
Unit 3	3.07	106.80	162	83	150
Unit 4	3.80	100.62	200	39	150
Total	6.86	207.42			300
Khaparkheda					
Unit 1	3.50	88.82	170	115	160
Unit 2	3.47	86.74	183	0	160
Unit 3	4.23	102.51	197	154	170
Unit 4	3.97	79.02	173	147	170
Unit 5	0.00	124.32	0	0	0
Total	15.17	481.41			660
Nasik					
Unit 3	0.60	126.66	175	0	0
Unit 4	4.51	107.83	198	171	200
Unit 5	4.11	20.27	185	160	180
Total	9.22	254.76			380
Uran					
All Units	10.50	303.65	452	417	450
Total	10.50	303.65			450
PENCH (MS)					
Pench (MS)	0.20	2.18	50	0	0
Total	0.20	2.18			0
Koyna					
Stage 1-2	5.76	102.18	530	45	600
Stage 4	4.67	89.32	560	0	250
Stage 3	2.72	57.65	196	0	240
Kovna 12&4 Total	10.42	191.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.14	249.15			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.41	3.09	61	0	0
TILLARI	0.36	6.75	60	0	60
BHTGR/VEER	0.18	4.36	8	7	3
BHIRA T.R.	0.44	11.49	80	0	80
RNGR+BHTSA	0.06	1.47	3	2	0
BHANDARDRA	0.65	7.44	28	27	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.08	12.96	45	44	8
GHATGHAR	0.18	11.30	125	0	0
Total	3.37	58.86			179
Wind					
MalharPeth	0.38	33.33			
Vankuswadi	0.60	48.08			
ATIT	0.09	11.67			
Kale	0.28	17.81			
Satara	2.18	69.94			
Shirala	0.26	19.35			
K Mahankal	0.08	47.80			
Supa	0.03	9.00			
Vita	1.96	84.98			
Dondaicha	0.75	193.96			
Sakri	0.08	28.85			
Nandurbar	0.09	18.16			
Khandke	0.04	31.74			
Khaparale	0.12	29.44			
Total	6.95	644.11			
CPP					
JSW JAIGAD	28.60	692.12	1215	1132	1100
WARDHA	4.57	190.44	194	186	205
Other CPPs	5.52	164.05			
Total	38.69	1046.61			1305
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.59	294.67	503	285	500
Trombay 6	7.07	175.78	505	157	500
Trombay 7A	2.98	84.43	125	123	120
Trombay 7B	1.63	46.71	68	67	60
Trombay 8	5.59	159.05	246	197	250
TATA Hydro	5.01	105.02	387	0	447
Total	32.86	865.67			1877
REL					
1&2	12.62	360.20	529	521	500
Total	12.62	360.20			500
Cent Sect					
Share					4909
Total					4909

MS PG CL	Thermal	77.17	2287.60			3265
	Thml+Gas	87.67	2591.25			3715
	Hydro	16.51	308.02			1269
	Total	104.18	2899.26			4984
State Total		195.49	5818.03			13575

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Aug/2012

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	3169	868	452	4489	233	1629	4662	5018	-267	-382	10987	218	11205	1863	13068	49.91
2	3285	337	451	4073	226	1557	4785	5263	-362	-313	10806	237	11043	1705	12748	49.94
3	3283	368	452	4103	173	1556	4689	5278	-362	-250	10860	251	11111	1608	12719	49.94
4	3202	233	450	3885	178	1554	4593	5173	-362	-171	10619	270	10889	1559	12448	50.02
5	3217	218	444	3879	123	1554	4596	5309	-362	-154	10711	306	11017	1571	12588	49.93
6	3254	508	440	4202	113	1580	4786	5460	-362	-234	11121	452	11573	1655	13228	49.88
7	3283	795	441	4519	125	1633	4592	5211	-365	-362	11126	1078	12204	1789	13993	50.02
8	3273	953	446	4672	95	1638	4615	5177	-390	-425	11157	1180	12337	1958	14295	50.18
9	3288	767	437	4492	101	1620	4666	5153	-410	-361	11005	1521	12526	2238	14764	50.10
10	3304	982	430	4716	93	1621	5343	5778	-445	-425	11783	1113	12896	2597	15493	49.79
11	3298	1197	432	4927	78	1628	5349	5734	-452	-485	11882	1015	12897	2814	15711	49.86
12	3299	1365	432	5096	108	1627	5365	5435	-469	-517	11749	1138	12887	2859	15746	49.79
13	3190	1005	436	4631	126	1628	5479	5521	-455	-473	11433	953	12386	2813	15199	49.89
14	3174	614	435	4223	144	1635	5654	5916	-490	-441	11477	880	12357	2672	15029	49.89
15	3091	897	432	4420	258	1625	5562	5604	-505	-440	11467	1127	12594	2685	15279	49.88
16	3080	533	436	4049	393	1628	5638	5867	-505	-440	11497	1113	12610	2684	15294	49.97
17	3063	164	432	3659	480	1632	5664	5740	-505	-427	11084	1198	12282	2663	14945	49.95
18	3111	188	440	3739	507	1623	5208	5261	-440	-391	10739	1013	11752	2634	14386	49.92
19	3265	363	427	4055	545	1630	5330	5310	-417	-340	11200	538	11738	2569	14307	49.80
20	3377	818	436	4631	507	1624	5273	5157	-556	-455	11494	702	12196	2624	14820	49.66
21	3314	964	417	4695	596	1623	5263	5264	-593	-588	11637	668	12305	2637	14942	49.84
22	3231	784	432	4447	523	1627	5321	5390	-603	-474	11560	650	12210	2421	14631	49.74
23	3071	1005	432	4508	595	1602	5319	5460	-601	-487	11728	261	11989	2236	14225	49.71
24	3050	584	437	4071	628	1618	5047	5388	-530	-443	11284	197	11481	2097	13578	49.91
MUs	77.17	16.51	10.50	104.18	6.95	38.69	122.80	129.87	-10.81	-9.48	270.41	18.08	288.48	54.95	343.44	49.90

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/Aug/2012

Position as on 6.30 Hrs of 30/Aug/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	31/08/2012
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Covered to AOH from 26-07-12)	31/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.(Converted to AOH)	11/09/2012
Cent_Sect NTPC(V-5)	210	18/08/2012	00.50		Continued.	Annual Overhaul.	
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	02/09/2012
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Uran Unit 5	108	15/08/2012	17.30		Continued.	Gas shortage.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchollz relay alarm.	
Khaparkheda Unit 5	500	22/08/2012	04.45		Continued.	CHP problem.	
Parli Unit 6	250	27/08/2012	09.33		Continued.	Drum level low.	
Bhusawal Unit 4	500	27/08/2012	17.50		Continued.	BLR T/L.	
CPP WPCL U-4	135	28/08/2012	01.05		Continued.	Bottom Ash Problem	
CPP WPCL U-2	135	28/08/2012	16.17		Continued.	Coal mill chock up.	
Paras Unit 4	250	28/08/2012	21.19	29/08/2012	00.35	Flame failure.	
Parli Unit 4	210	28/08/2012	22.33	29/08/2012	04.32	Furnace pressure high.	
Nasik Unit 3	210	29/08/2012	03.35		Continued.	Boiler tube leakage.	
Chandrapur Unit 2	210	29/08/2012	08.40	29/08/2012	14.53	Furnace Pressure High	
Khaparkheda Unit 2	210	29/08/2012	12.15	29/08/2012	14.47	High Drum Level	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2012

Position as on 6.30 Hrs of 30/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16		Continued.	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	22/08/2012	17.12	29/08/2012	09.10	Over Voltage
Warora - Deoli - I	23/08/2012	22.24		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Dhule - S'Sarovar- II	27/08/2012	20.24	29/08/2012	08.54	Over Voltage.
Kolhapur - Mapusa - II	29/08/2012	10.52		Continued.	Relay Testing work(ready for charging from 17.12Hrs)
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Bhadravti - I	22/08/2012	11.15		Continued.	Over Voltage
Warora - Tiroda - II	29/08/2012	05.31		Continued.	Trip.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV,500MVA ICT - III at Parly	02/08/2012	11.25		Continued.	Opening of Jumpers of M B-I,Bet.Lonikand-II & PGCIL-I & Parli.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
400 KV A C - I @ Padgha	26/08/2012	12.22		Continued.	B/Dn on AC filter.
Jejuri-Koyna STG-IV	29/08/2012	06.04		Continued.	Repl.of faulty insulator.
Padgha - Nagothane - I	29/08/2012	09.02	29/08/2012	17.17	Q.M.work
Main Bus- II @ Jejuri	29/08/2012	10.26	29/08/2012	12.43	Megger testing work
Main Bus - II @ Lamboti	29/08/2012	11.04	29/08/2012	14.50	Q.M.Work
400/220KV 500MVA ICT- I at Khaperkheda	29/08/2012	14.36	29/08/2012	16.01	Collection of Oil Sample
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/132 KV 150 MVA ICT-I @ Akola.	21/08/2012	09.18		Continued.	Augmentation by 200MVA ICT(work up to 14/9/2012)
Chandrapur-Wani	29/08/2012	08.00	29/08/2012	16.16	Replacement of Jumper
Bale - Lamboti I	29/08/2012	08.38		Continued.	Conductor replacement work
220/100KV 200MVA T/F-II @APTA	29/08/2012	09.46	29/08/2012	17.44	Dismantling of Aux.Isolator
Khadka-Bhadli-II	29/08/2012	10.10	29/08/2012	17.10	Aux.Bus Isolator problem
Khaperkheda - Ambazari - II	29/08/2012	10.24	29/08/2012	20.53	Measurement of Tan Delta
Khaperkheda - Koradi	29/08/2012	11.16	29/08/2012	19.26	Measurement of Tan Delta
220/132KV 200 MVA ICT I at Chalisgaon	29/08/2012	11.24	29/08/2012	19.49	Erection and reconnection of CTs to Line
Khaparkheda New - Khaparkheda Old - I	29/08/2012	14.02	29/08/2012	20.02	Q.M.work
Vita-Mhaisal	29/08/2012	16.06	29/08/2012	17.34	Hot Spot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2012

Position as on 6.30 Hrs of 30/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Vita - Lamboti	29/08/2012	16.43	29/08/2012	18.45	Removing of Jumper
Babaleshwar - Babaleshwar - I	29/08/2012	23.11	29/08/2012	23.59	Isolator work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	26/08/2012	12.42	29/08/2012	10.53	Over Voltage.
Bhusawal- Aurangabad	29/08/2012	12.33		Continued.	Over Voltage
400/220KV 315MVA ICT-III at Karad.	29/08/2012	12.36	29/08/2012	14.53	Air Leakage from H.V.Breaker
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Babaleshwar - Babaleshwar - I	29/08/2012	13.14	29/08/2012	13.28	Hand tripped for shifting Bus
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
Deepnagar-Aurangabad-I	10/08/2012	14.09		Continued.	B-PH Conductor of Twin Conductors Snapped(Ready for charging at 16.45Hrs/11-8-12)
Karad - Kolhapur - II	29/08/2012	21.28		Continued.	Bus Bar Prot.operated while H/T of line for O/V
Main Bus- II @ Karad	29/08/2012	21.28	29/08/2012	22.40	Bus Fault
Karad-Jaigad II	29/08/2012	21.28		Continued.	Bus Fault
400/220 KV 315MVA ICT-II @ Karad	29/08/2012	21.28		Continued.	Bus Fault
Karad - Newkoyna - I	29/08/2012	21.28	29/08/2012	23.27	Bus Fault
Karad-Lonikhand	29/08/2012	21.28	29/08/2012	22.56	Bus Fault
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Ambazari-Amravati	29/08/2012	11.51	29/08/2012	12.04	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	160
	620	260
Bhusawal		
Unit 2	210	165
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	165
Parli		
Unit 3	210	125
Unit 4	210	135
Unit 5	210	115
Unit 6	250	0
Unit 7	250	170
	1130	545
Chandrapur		
Unit 1	210	100
Unit 2	210	50
Unit 3	210	0
Unit 4	210	75
Unit 5	500	300
Unit 6	500	250
Unit 7	500	350
	2340	1125
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	660
Nasik		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
	630	360
Uran		
All Units	852	440
	852	440
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	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	171
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	600	1100
WARDHA	405	300
Other CPPs	0	
	1005	1400
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	5083
	3455	5083

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