



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Sep/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.757	1503.145	1) Gujrat	14.676	275.783
2) Hydro	6.832	210.325	2) Madhya Pradesh	24.143	398.669
3) Gas	11.405	177.502	3) Chattisgarh	11.400	213.290
Total MSGENCO	112.994	1890.972	4) Maharashtra	66.851	1156.804
B) 1) JSW JAIGAD	25.920	517.434	5) Goa	-5.332	-105.391
2) WPCL	6.821	123.246	6) TAPS 1&2 Injection	4.303	74.833
3) ADANI	6.310	9.190	7) RGPPL Injection	12.724	264.993
4) Other CPP / IPP	5.596	114.914	8) Pench (Excess)	-1.095	-14.330
5) Wind Generation	2.050	270.971	# Total Cent. Sector	127.670	2264.651
6) PENCH (MS)	1.095	14.375	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.900	-292.778
1) TPCL Thermal	22.788	498.946	G) Bilateral Power *		
2) TPCL Hydro	1.116	75.560	1) MSEDCL Bilateral	51.626	702.302
TOTAL TPCL	23.904	574.506	Include PX	15.925	42.640
3) REL Thermal	12.200	139.115	2) MUMBAI Bilateral	12.651	295.403
D) STATE			Include PX	0.436	76.963
1) Thermal (A1+C1+C3)	129.745	2141.206	3) MUMBAI Schedule	12.651	299.196
2) Hydro (A2+B5+C2)	9.043	300.260	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.405	177.502	1) MSEDCL	276.556	4912.975
4) Wind (B4)	2.050	270.971	2) TPCL	32.560	685.382
5) CPP (B1+B2+B3)	44.647	761.904	3) REL	15.439	320.988
TOTAL STATE	196.890	3651.843	TOTAL STATE	324.555	5919.345

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3960	4335	3546
MSGENCO Hydro	288	374	301
MSGENCO Gas	470	466	493
MSGENCO Total Generation	4718	5175	4340
Central Sector Receipt	5515	5765	5241
WIND	35	126	90
CPP / IPP	1622	1534	1608
Exchange with Mumbai	-396	-726	-429
MSEDCL DEMAND MET	11894	12394	10870
Load Shedding	158	143	121
MSEDCL DEMAND	12052	12537	10991
TPCL GENERATION	1206	1077	837
R-INFRA GENERATION	525	525	393
TPCL+R-INFRA DEMAND	2127	2328	1659
STATE DEMAND MET	14021	14722	12529
STATE DEMAND	14179	14865	12650
Frequency (Hz)	50.04	50.06	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 06:03 Hrs	49.49 Hz at 22:09 Hrs	50.07	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 19/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	28.39	0	0	0
Unit 6	2.46	40.79	115	78	80
Unit 7	1.93	40.72	105	45	60
Total	4.39	109.91			140
Bhusawal					
Unit 2	3.18	54.06	145	120	150
Unit 3	0.00	0.86	0	0	0
Unit 4	0.00	0.16	0	0	0
Unit 5	2.77	26.39	159	73	0
Total	5.96	81.48			150
Parli					
Unit 3	3.11	42.98	160	118	132
Unit 4	2.67	34.93	152	70	140
Unit 5	0.00	12.66	0	0	0
Unit 6	3.46	44.42	184	90	160
Unit 7	4.09	60.73	209	150	160
Total	13.32	195.73			592
Chandrapur					
Unit 1	2.41	47.27	140	68	70
Unit 2	2.19	44.30	128	61	70
Unit 3	2.32	12.73	130	69	80
Unit 4	2.30	32.40	158	54	70
Unit 5	6.20	116.64	330	180	240
Unit 6	7.48	114.88	405	222	250
Unit 7	6.26	130.58	335	207	225
Total	29.16	498.80			1005
Paras					
Unit 3	3.37	56.11	182	0	150
Unit 4	3.95	53.55	191	134	150
Total	7.32	109.66			300
Khaparkheda					
Unit 1	3.10	61.72	185	0	0
Unit 2	3.95	66.50	185	145	160
Unit 3	4.22	63.66	185	163	170
Unit 4	4.26	72.84	210	169	170
Unit 5	7.59	46.17	400	281	300
Total	23.11	310.90			800
Nasik					
Unit 3	4.24	76.56	205	150	200
Unit 4	3.67	75.76	165	137	190
Unit 5	3.59	44.35	165	111	180
Total	11.50	196.66			570
Uran					
All Units	11.40	177.50	494	460	450
Total	11.40	177.50			450
PENCH (MS)					
Pench (MS)	1.10	14.38	54	20	0
Total	1.10	14.38			0
Koyna					
Stage 1-2	1.86	53.10	355	40	600
Stage 4	0.34	37.05	172	0	250
Stage 3	0.48	28.34	134	0	320
Kovna 12&4 Total	2.19	90.16			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.67	118.50			1170
Hydro					
KDPH	0.93	14.92	39	38	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.27	10.27	61	0	56
BHTGR/VEER	0.22	4.87	10	9	20
BHIRA T.R.	0.22	7.31	82	0	80
RNGR+BHTSA	0.39	2.53	17	16	14
BHANDARDRA	1.05	14.42	44	43	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.09	22.48	52	43	10
GHATGHAR	0.00	14.01	0	0	0
Total	4.17	91.83			236
Wind					
MalharPeth	0.19	15.54			
Vankuswadi	0.19	25.82			
ATIT	0.03	5.98			
Kale	0.10	8.79			
Satara	0.36	42.61			
Shirala	0.07	10.41			
K Mahankal	0.00	24.60			
Supa	0.01	4.16			
Vita	0.33	51.10			
Dondaicha	0.51	43.73			
Sakri	0.06	9.01			
Nandurbar	0.04	3.40			
Khandke	0.02	16.77			
Khaparale	0.12	9.05			
Total	2.05	270.97			
CPP					
JSW JAIGAD	25.92	517.43	1199	1007	1093
WARDHA	6.82	123.25	303	154	310
Adani	6.31	9.19	470	0	
Other CPPs	5.60	114.91			
Total	44.65	764.78			1403
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.74	197.46	498	286	500
Trombay 6	3.76	127.61	158	155	500
Trombay 7A	2.99	49.03	127	122	120
Trombay 7B	1.64	28.01	69	68	60
Trombay 8	5.66	96.84	250	195	250
TATA Hydro	1.12	75.56	154	0	309
Total	23.90	574.51			1739
REL					
1&2	12.20	139.12	527	393	500
Total	12.20	139.12			500
Cent Sect					
Share					6108
Total					6108

MS PG CL	Thermal	94.76	1503.14			3557
	Thml+Gas	106.16	1680.65			4007
	Hydro	6.83	210.32			1406
	Total	112.99	1890.97			5413
State Total		196.89	3651.84			15163

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Sep/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	3666	497	481	4644	153	1716	5156	5308	-514	-492	11379	108	11487	1987	13474	50.09
2	3570	347	492	4409	178	1605	5142	5239	-478	-480	11001	109	11110	1829	12939	50.06
3	3571	437	494	4502	129	1557	4933	5307	-477	-497	11048	107	11155	1726	12881	50.17
4	3546	301	493	4340	90	1608	5124	5241	-481	-429	10870	121	10991	1659	12650	50.16
5	3593	192	486	4271	78	1640	5197	5342	-483	-389	10992	124	11116	1629	12745	50.16
6	3461	540	487	4488	80	1643	5388	5476	-484	-335	11402	163	11565	1697	13262	49.91
7	3699	413	487	4599	60	1644	5449	5510	-487	-353	11600	575	12175	1743	13918	50.07
8	3729	196	487	4412	54	1702	5477	5652	-519	-381	11579	697	12276	1787	14063	50.03
9	3878	241	475	4594	67	1590	5449	5347	-519	-438	11380	714	12094	1900	13994	49.94
10	4022	339	470	4831	84	1700	5432	5200	-521	-477	11658	373	12031	2046	14077	50.05
11	4156	384	463	5003	41	1638	5469	5259	-521	-465	11836	123	11959	2119	14078	50.01
12	3960	288	470	4718	35	1622	5520	5515	-516	-396	11894	158	12052	2127	14179	50.04
13	3897	252	463	4612	39	1627	5687	5464	-512	-405	11747	259	12006	2116	14122	50.13
14	3924	201	465	4590	20	1617	5728	5350	-510	-416	11641	192	11833	2045	13878	50.12
15	4116	206	460	4782	21	1537	5637	5289	-518	-444	11625	143	11768	2029	13797	50.02
16	4131	215	464	4810	33	1546	5284	5288	-520	-463	11634	133	11767	2021	13788	50.05
17	4293	199	468	4960	27	1515	5242	4757	-520	-493	11235	117	11352	2040	13392	50.17
18	4295	193	468	4956	38	1539	5186	4389	-520	-500	10905	106	11011	2036	13047	50.13
19	4278	197	471	4946	105	1535	5927	5211	-520	-675	11606	113	11719	2160	13879	50.03
20	4335	374	466	5175	126	1534	5952	5765	-619	-726	12394	143	12537	2328	14865	50.06
21	4308	235	470	5013	155	1535	5937	5590	-608	-719	12084	143	12227	2322	14549	50.01
22	4221	202	471	4894	140	1545	5925	5361	-596	-710	11732	141	11873	2283	14156	50.12
23	3987	189	476	4652	170	1548	5655	5714	-621	-635	11902	85	11987	2224	14211	50.01
24	4121	194	478	4793	127	1594	5357	5096	-586	-582	11412	70	11482	2151	13633	50.17
MUs	94.76	6.83	11.40	112.99	2.05	38.34	131.25	127.67	-12.65	-11.90	276.56	5.02	281.57	48.00	329.58	50.07

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 19/Sep/2012

Position as on 6.30 Hrs of 20/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	30/09/2012
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Bhusawal Unit 4	500	14/09/2012	18.04		Continued.	P A Fan Problem.	
Bhusawal Unit 3	210	16/09/2012	14.20		Continued.	P A Fan Problem.	
Dabhol 3B	230	16/09/2012	23.45		Continued.	Gas Shortage.	
Cent_Sect NTPC(V-2)	210	17/09/2012	00.39		Continued.	Coal Shortage.	
CPP WPCL U-3	135	17/09/2012	14.53		Continued.	Fan Vibration problem.	
Khaparkheda Unit 1	210	19/09/2012	05.10	19/09/2012	08.16	Furnace pressure high.	
Paras Unit 3	250	19/09/2012	11.08	19/09/2012	14.09	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2012

Position as on 6.30 Hrs of 20/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/09/2012	16.58		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
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)
Main Bus-I at Parli 1	18/09/2012	12.16	19/09/2012	00.43	Replacement of 220KV PTS.
Trombay(T)-Trombay(M)Tie-I	19/09/2012	09.10	19/09/2012	18.15	For software uploading in relay at both ends.
Girawli - Parly - IV	19/09/2012	09.36	19/09/2012	13.55	Measurement of tan telta of CT.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Chandrapur - Parli - II	19/09/2012	17.09		Continued.	IPS tube clamp of R-Ph CT P-1 Stud.
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	31/08/2012	12.33		Continued.	Over Voltage.
Kolhapur-Karad -I	18/09/2012	16.36		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	20/09/2012	00.51	20/09/2012	06.44	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
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.
400/11KV 80 MVA STN.T/F 4B at Deepnagar	19/09/2012	10.12	19/09/2012	11.39	Main BKR PDR Optd.
New Koyna - Koyna Stage IV - II	19/09/2012	17.04	19/09/2012	18.38	Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Pathari	19/09/2012	01.43	19/09/2012	01.59	Dist.Protection Z-I.
Padegaon - Paithan	19/09/2012	21.16	19/09/2012	21.38	Dist.Protection Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	65
Unit 7	210	125
	620	190
Bhusawal		
Unit 2	210	130
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	130
Parli		
Unit 3	210	165
Unit 4	210	120
Unit 5	210	0
Unit 6	250	150
Unit 7	250	175
	1130	610
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	140
Unit 4	210	50
Unit 5	500	230
Unit 6	500	325
Unit 7	500	325
	2340	1350
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	960
Nasik		
Unit 3	210	200
Unit 4	210	170
Unit 5	210	170
	630	540
Uran		
All Units	852	460
	852	460
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	44
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	256
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	1093
WARDHA	405	300
Adani	660	
Other CPPs	0	
	1665	1393
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	309
	2024	1739
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5921
	3455	5921

	19060	15559
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