



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Sep/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.256	1703.080	1) Gujrat	15.651	309.713
2) Hydro	7.933	224.383	2) Madhya Pradesh	19.003	439.122
3) Gas	8.792	197.644	3) Chattisgarh	10.040	233.600
Total MSGENCO	115.981	2125.107	4) Maharashtra	66.424	1289.160
B) 1) JSW JAIGAD	28.016	572.973	5) Goa	-5.667	-116.676
2) WPCL	6.878	135.891	6) TAPS 1&2 Injection	4.164	83.195
3) ADANI	8.630	20.490	7) RGPPL Injection	12.834	290.515
4) Other CPP / IPP	5.109	125.850	8) Pench (Excess)	-0.979	-16.462
5) Wind Generation	4.628	280.240	# Total Cent. Sector	121.470	2512.167
6) PENCH (MS)	0.979	16.507	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.586	-315.384
1) TPCL Thermal	27.587	554.656	G) Bilateral Power *		
2) TPCL Hydro	4.335	83.764	1) MSEDCL Bilateral	37.782	787.425
TOTAL TPCL	31.922	638.420	Include PX	2.556	54.731
3) REL Thermal	12.584	164.176	2) MUMBAI Bilateral	14.189	321.308
D) STATE			Include PX	1.728	79.895
1) Thermal (A1+C1+C3)	139.427	2421.912	3) MUMBAI Schedule	14.189	325.101
2) Hydro (A2+B5+C2)	13.247	324.654	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.792	197.644	1) MSEDCL	280.105	5473.841
4) Wind (B4)	4.628	280.240	2) TPCL	37.861	760.916
5) CPP (B1+B2+B3)	48.633	843.344	3) REL	18.229	357.034
TOTAL STATE	214.727	4067.794	TOTAL STATE	336.195	6591.791

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	4309	3918	4100
MSGENCO Hydro	625	1024	148
MSGENCO Gas	350	314	455
MSGENCO Total Generation	5284	5256	4703
Central Sector Receipt	5326	5477	4179
WIND	53	328	147
CPP / IPP	1724	1678	1592
Exchange with Mumbai	-616	-599	-281
MSEDCL DEMAND MET	12243	12553	10740
Load Shedding	565	92	84
MSEDCL DEMAND	12808	12645	10824
TPCL GENERATION	1690	1599	837
R-INFRA GENERATION	523	524	526
TPCL+R-INFRA DEMAND	2829	2722	1644
STATE DEMAND MET	15072	15275	12384
STATE DEMAND	15637	15367	12468
Frequency (Hz)	49.98	50.03	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 12.31 Hrs	49.59 Hz at 18.50 Hrs	50.03	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 21/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	1.40	44.10	108	0	100
Unit 7	2.03	44.95	135	25	135
Total	3.43	117.44			235
Bhusawal					
Unit 2	3.26	60.30	150	115	140
Unit 3	3.12	5.42	150	110	150
Unit 4	4.30	4.88	225	132	0
Unit 5	0.40	28.80	111	0	0
Total	11.08	99.40			290
Parli					
Unit 3	3.31	49.77	155	117	145
Unit 4	3.31	41.25	155	117	135
Unit 5	0.00	12.66	0	0	0
Unit 6	4.10	52.46	195	154	160
Unit 7	4.07	68.94	178	151	160
Total	14.79	225.09			600
Chandrapur					
Unit 1	2.53	53.36	135	44	100
Unit 2	2.67	50.51	143	64	120
Unit 3	3.41	19.68	190	61	160
Unit 4	0.00	32.82	0	0	0
Unit 5	7.54	131.24	355	225	300
Unit 6	7.98	131.47	370	290	300
Unit 7	8.26	146.19	402	278	325
Total	32.39	565.27			1305
Paras					
Unit 3	3.66	63.62	168	137	150
Unit 4	3.15	60.39	148	95	150
Total	6.81	124.01			300
Khaparkheda					
Unit 1	3.32	68.48	170	70	170
Unit 2	3.71	73.65	180	115	170
Unit 3	3.78	71.33	173	94	160
Unit 4	3.77	80.05	173	134	160
Unit 5	8.25	61.53	446	252	370
Total	22.83	355.03			1030
Nasik					
Unit 3	4.20	85.16	195	145	200
Unit 4	0.00	79.55	4	0	0
Unit 5	3.72	52.14	169	142	170
Total	7.92	216.84			370
Uran					
All Units	8.79	197.64	457	273	450
Total	8.79	197.64			450
PENCH (MS)					
Pench (MS)	0.98	16.51	53	9	
Total	0.98	16.51			
Koyna					
Stage 1-2	3.11	57.75	510	40	600
Stage 4	0.35	37.40	230	0	250
Stage 3	1.38	30.04	206	0	320
Kovna 12&4 Total	3.46	95.15			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.84	125.19			1170
Hydro					
KDPH	0.93	16.78	39	38	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.11	10.73	55	0	60
BHTGR/VEER	0.19	5.28	9	8	10
BHIRA T.R.	0.25	7.78	80	0	80
RNGR+BHTSA	0.39	3.31	17	16	16
BHANDARDRA	0.01	14.82	13	0	16
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.88	24.29	44	34	8
GHATGHAR	0.32	15.19	240	0	0
Total	3.09	99.19			226
Wind					
MalharPeth	0.20	16.00			
Vankuswadi	0.24	26.43			
ATIT	0.04	6.06			
Kale	0.11	9.06			
Satara	0.45	43.92			
Shirala	0.10	10.64			
K Mahankal	0.01	24.63			
Supa	0.02	4.25			
Vita	0.42	52.17			
Dondaicha	2.29	47.54			
Sakri	0.33	9.52			
Nandurbar	0.25	3.82			
Khandke	0.07	16.92			
Khaparale	0.10	9.28			
Total	4.63	280.24			
CPP					
JSW JAIGAD	28.02	572.97	1199	1106	1095
WARDHA	6.88	135.89	311	250	310
Adani	8.63	20.49	480	190	
Other CPPs	5.11	125.85			
Total	48.63	855.20			1405
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.58	218.51	503	288	500
Trombay 6	7.69	142.58	500	157	500
Trombay 7A	2.15	54.16	126	70	120
Trombay 7B	1.42	31.06	69	52	60
Trombay 8	5.75	108.34	251	196	250
TATA Hydro	4.34	83.76	318	0	309
Total	31.92	638.42			1739
REL					
1&2	12.58	164.18	526	513	500
Total	12.58	164.18			500
Cent Sect					
Share					5674
Total					5674

MS PG CL	Thermal	99.26	1703.08			4130
	Thml+Gas	108.05	1900.72			4580
	Hydro	7.93	224.38			1396
	Total	115.98	2125.11			5976
State Total		214.73	4067.79			15294

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4266	401	454	5121	137	1603	4561	4564	-542	-442	11222	94	11316	1996	13312	50.05
2	4175	220	457	4852	194	1604	4404	4383	-503	-366	10916	84	11000	1801	12801	50.06
3	4120	163	457	4740	226	1585	4404	4363	-502	-352	10812	83	10895	1706	12601	50.06
4	4100	148	455	4703	147	1592	4404	4179	-502	-281	10740	84	10824	1644	12468	50.17
5	4133	169	455	4757	227	1599	4404	4267	-501	-279	10961	98	11059	1640	12699	50.08
6	4248	154	456	4858	157	1575	4903	4739	-502	-330	11369	119	11488	1731	13219	49.92
7	4322	144	376	4842	217	1616	4963	5043	-501	-422	11660	323	11983	1839	13822	49.97
8	4317	144	352	4813	185	1674	5000	5125	-530	-456	11705	709	12414	1995	14409	50.04
9	4383	197	351	4931	181	1709	4971	5109	-530	-460	11833	740	12573	2263	14836	50.01
10	4394	332	352	5078	97	1704	5162	5380	-553	-464	12118	566	12684	2582	15266	49.95
11	4288	644	350	5282	61	1715	5231	5244	-710	-591	12163	515	12678	2798	15476	49.95
12	4309	625	350	5284	53	1724	5297	5326	-772	-616	12243	565	12808	2829	15637	49.98
13	4315	344	349	5008	64	1719	5433	5508	-733	-600	12142	688	12830	2820	15650	50.04
14	4295	137	352	4784	99	1715	5329	5349	-625	-525	11911	575	12486	2733	15219	50.13
15	4322	142	352	4816	131	1712	5338	5210	-644	-553	11823	441	12264	2761	15025	50.04
16	4331	137	352	4820	173	1705	5293	5155	-640	-555	11830	300	12130	2759	14889	50.04
17	4348	142	350	4840	318	1645	5223	4813	-669	-558	11548	197	11745	2735	14480	50.10
18	4085	137	330	4552	391	1698	5084	4742	-615	-503	11280	115	11395	2682	14077	50.13
19	3951	297	310	4558	347	1700	5168	5557	-548	-506	12099	91	12190	2678	14868	49.86
20	3918	1024	314	5256	328	1678	5385	5477	-621	-599	12553	92	12645	2722	15367	50.03
21	3747	668	323	4738	264	1683	5400	5581	-638	-571	12108	92	12200	2587	14787	50.00
22	3714	577	273	4564	268	1686	5402	5464	-626	-547	11856	89	11945	2400	14345	49.93
23	3624	540	308	4472	199	1705	5438	5516	-609	-530	11763	75	11838	2262	14100	49.99
24	3552	447	313	4312	165	1657	5174	5377	-574	-480	11452	64	11516	2129	13645	50.07
MUs	99.26	7.93	8.79	115.98	4.63	40.00	121.37	121.47	-14.19	-11.59	280.11	6.80	286.91	56.09	343.00	50.03

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 21/Sep/2012

Position as on 6.30 Hrs of 22/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.	
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.	
Chandrapur Unit 4	210	20/09/2012	08.45		Continued.	ID fan motor burnt.	
CPP WPCL U-1	135	20/09/2012	09.46		Continued.	I.D.fan vibration high.	
Bhusawal Unit 5	500	20/09/2012	19.25	21/09/2012	12.03	Main steam temp.low.	
Nasik Unit 4	210	21/09/2012	00.04		Continued.	ID fan problem.	
Uran Unit 7	108	21/09/2012	02.53		Continued.	Gas Shortage.	
Koradi Unit 6	210	21/09/2012	15.40	22/09/2012	01.28	AVR Problem.	
Bhusawal Unit 5	500	21/09/2012	17.28		Continued.	Boiler Problem.	
Khaparkheda Unit 3	210	21/09/2012	23.36	22/09/2012	04.53	Furance Pressure High.	
Paras Unit 3	250	22/09/2012	06.12		Continued.	Governing Problem.	
Koradi Unit 7	210	22/09/2012	06.31		Continued.	Coal Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2012

Position as on 6.30 Hrs of 22/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
Akola - Wardha - I	22/09/2012	03.56		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.
Padgha - Babaleshwar - II	21/09/2012	09.14	21/09/2012	18.05	Replacement of Damaged Insulator String.
400/220KV 500MVA ICT- I at Khaperkheda	21/09/2012	09.21	21/09/2012	17.59	Dismantling of Damaged 220KV Breaker Pole.
New Koyna - Karad - I	21/09/2012	11.39		Continued.	For Taking Own Breaker in Service.
400/220KV 315 MVA ICT- II @ Padgha	21/09/2012	14.20	21/09/2012	17.20	To Connect the 33KV Tertiary Jumper.
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 14/10/2012)
Jejuri - Parvati	20/09/2012	23.28	21/09/2012	07.17	Retrofitting deistance relay.
Apta-Taloja	21/09/2012	09.40	21/09/2012	13.25	Maint.Work.
Kanhan - Umred - I	21/09/2012	10.41	21/09/2012	18.50	Measurment of Tan Delta of C T.
SPCL - IPCL	21/09/2012	12.15	21/09/2012	14.20	Maint.Work.
Padgha - Jindal	21/09/2012	12.30	21/09/2012	17.06	Erection & Testing of C T's & P T's.
Jindal - Ghatghar	21/09/2012	12.30	21/09/2012	17.06	Erection & Testing of C T's & P T's.
Dondaicha - Shahada	21/09/2012	13.35	21/09/2012	18.20	Relay Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser-Viraj-II	21/09/2012	08.43	21/09/2012	17.44	Replacement of Conductor.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Padgha - Bhivandi	21/09/2012	10.16	21/09/2012	12.49	Maint.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	31/08/2012	12.33		Continued.	Over Voltage.
Karad - Kolhapur - II	20/09/2012	16.38	21/09/2012	08.54	Over Voltage.
Karad - Kolhapur - I	21/09/2012	16.29		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Babaleshwar - Alephata	20/09/2012	22.24	21/09/2012	04.07	To control Ionikand-Parli line loading.
Padgha-Temghar I	20/09/2012	22.57		Continued.	Due to tripping of Padghe ICT-II.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2012

Position as on 6.30 Hrs of 22/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
400/220KV 315 MVA ICT-II @ Padgha	20/09/2012	22.16	21/09/2012	00.31	NDR,LV protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Virur - Gadhchiroli	21/09/2012	02.49	21/09/2012	03.15	Dist.Protection, R Ph. to Earth.
Gadchandur-Virur-II	21/09/2012	03.42	21/09/2012	04.29	Distance Protection.
Virur - Gadhchiroli	21/09/2012	03.50	21/09/2012	04.02	Dist.Protection, R Ph. to Earth.
220/132 KV 100 MVA ICT - I @ Virur	21/09/2012	14.13	21/09/2012	18.05	Differential Protection Operated.
Khapakheda - Koulawada - II	21/09/2012	14.48	21/09/2012	14.58	Distance Protection & Autorecolsed.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	0
	620	125
Bhusawal		
Unit 2	210	140
Unit 3	210	160
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	142
Unit 4	210	135
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	597
Chandrapur		
Unit 1	210	89
Unit 2	210	89
Unit 3	210	89
Unit 4	210	0
Unit 5	500	230
Unit 6	500	276
Unit 7	500	253
	2340	1026
Paras		
Unit 3	250	0
Unit 4	250	140
	500	140
Khaparkheda		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	140
Unit 4	210	140
Unit 5	500	270
	1340	790
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	170
	630	370
Uran		
All Units	852	290
	852	290
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	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	208
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	1095
WARDHA	405	310
Adani	660	
Other CPPs	0	
	1665	1405
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	306
	2024	1736
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5539
	3455	5539