



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Sep/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.470	1925.471	1) Gujrat	4.893	40.683
2) Hydro	18.486	382.448	2) Madhya Pradesh	15.318	306.945
3) Gas	10.954	208.256	3) Chattisgarh	7.280	133.310
Total MSGENCO	135.910	2516.175	4) Maharashtra Net	90.440	1815.460
B) 1) JSW JAIGAD	28.449	558.858	(Incl. 765kV Solapur-Raichur)	-6.468	-100.122
2) WPCL	2.408	71.921	5) Goa	-6.475	-130.242
3) ADANI	34.530	353.433	6) TAPS 1&2 Injection	7.270	155.245
4) Other CPP / IPP	13.343	291.222	7) RGPPL Injection	0.000	0.000
5) Wind Generation	12.519	506.123	8) Pench (Excess)	-0.525	-12.083
6) PENCH (MS)	0.525	12.083	# Total Cent. Sector	118.201	2309.318
7) SOLAR	1.003	17.156	F) Other Exchanges		
C) 1) TPCL Thermal	15.965	311.251	1) With TPCL (Excess)	-23.499	-526.291
2) TPCL Hydro	1.394	88.956	G) Bilateral Power *		
TOTAL TPCL	17.359	400.207	1) MSEDCL Bilateral	30.225	476.391
3) REL Thermal	7.477	248.322	Include PX	6.878	8.104
D) STATE			2) MUMBAI Bilateral	18.820	455.216
1) Thermal (A1+C1+C3)	129.912	2485.044	Include PX	0.092	71.093
2) Hydro (A2+B6+C2)	20.405	483.487	3) MUMBAI Schedule	22.387	464.906
3) Gas (A3)	10.954	208.256	H) ENERGY CATERED (MUs)		
4) Wind (B5)	12.519	506.123	1) MSEDCL	323.389	6109.998
5) CPP/IPP (B1+B2+B3+B4)	78.730	1275.434	2) TPCL	30.331	750.292
6) SOLAR (B7)	1.003	17.156	3) REL	18.005	424.515
TOTAL STATE	253.523	4975.500	TOTAL STATE	371.725	7284.805

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4583	4753	4160
MSGENCO Hydro	876	1619	118
MSGENCO Gas	453	455	461
MSGENCO Total Generation	5912	6827	4739
Central Sector Receipt	6370	5315	4368
WIND	464	258	726
CPP / IPP	3284	3319	3088
SOLAR	152	120	0
Exchange with Mumbai	-1164	-1165	-769
MSEDCL DEMAND MET	15029	14699	12178
Load Shedding	54	53	50
MSEDCL DEMAND	15083	14752	12228
TPCL GENERATION	789	681	635
R-INFRA GENERATION	259	258	259
TPCL+R-INFRA DEMAND	2212	2104	1663
STATE DEMAND MET	17241	16803	13841
STATE DEMAND	17295	16856	13891
Frequency (Hz)	49.88	50.01	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 17.01 Hrs	49.68 Hz at 18.41 Hrs	49.95	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/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	3.14	60.35	143	125	140
Unit 7	3.19	53.88	145	110	140
Total	6.33	114.23			280
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	0.00	28.24	0	0	0
Unit 4	3.44	3.44	210	0	94
Unit 5	8.00	179.37	405	305	320
Total	11.44	219.98			414
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.69	72.91	163	137	160
Unit 6	5.42	102.04	240	206	230
Unit 7	5.03	94.31	235	175	230
Total	14.14	269.27			620
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	45.37	0	0	0
Unit 3	3.94	46.04	177	150	160
Unit 4	4.44	65.80	196	161	180
Unit 5	8.37	98.65	407	245	250
Unit 6	7.01	109.27	360	220	360
Unit 7	7.19	136.73	358	231	280
Total	30.95	501.85			1230
Paras					
Unit 3	4.59	50.38	234	160	250
Unit 4	4.75	93.80	224	180	250
Total	9.34	144.18			500
Khaparkheda					
Unit 1	3.74	57.46	175	140	170
Unit 2	3.67	72.11	165	125	170
Unit 3	3.80	79.26	166	150	170
Unit 4	3.79	76.52	165	150	170
Unit 5	7.14	151.78	350	248	350
Total	22.14	437.13			1030
Nasik					
Unit 3	4.08	81.54	190	160	160
Unit 4	4.03	72.74	183	162	160
Unit 5	4.02	84.55	190	159	160
Total	12.13	238.83			480
Uran					
All Units	10.95	208.26	465	448	465
Total	10.95	208.26			465
PENCH (MS)					
Pench (MS)	0.52	12.08	27	11	
Total	0.52	12.08			
Koyna					
Stage 1-2	6.47	92.27	505	40	530
Stage 4	7.41	142.94	841	0	250
Stage 3	2.95	59.77	240	0	320
Kovna 12&4 Total	13.88	235.21			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.84	294.98			1100
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.63	0	0	61
TILLARI	0.38	11.74	60	0	63
BHTGR/VEER	0.11	2.95	5	4	0
BHIRA T.R.	0.28	7.78	80	0	80
RNGR+BHTSA	0.00	0.61	0	0	0
BHANDARDRA	0.45	6.09	27	14	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.43	21.89	26	15	17
GHATGHAR	0.00	17.37	0	0	0
Total	1.65	87.47			231
Wind					
MalharPeth	0.49	15.72			
Vankuswadi	0.76	25.83			
ATIT	0.12	3.43			
Kale	0.25	10.46			
Satara	4.03	233.28			
Shirala	0.38	14.45			
K Mahankal	0.02	1.58			
Supa	0.06	8.20			
Vita	0.67	48.25			
Dondaicha	3.80	84.70			
Sakri	0.56	12.81			
Nandurbar	0.63	15.23			
Khandke	0.27	17.22			
Khaparale	0.50	14.97			
Total	12.52	506.12			
CPP					
JSW JAIGAD	28.45	558.86	1212	1070	1098
WARDHA	2.41	71.92	102	98	100
Adani	34.53	353.43	1520	1360	1234
Other CPPs	13.34	291.22			691
Total	78.73	1275.43			3123
SOLAR					
Total	1.00	17.16			
Total	1.00	17.16			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	191.48	502	496	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.47	51.76	115	79	120
Trombay 7B	1.52	31.76	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.39	88.96	241	0	447
Total	17.36	400.21			1127
REL					
1&2	7.48	248.32	522	257	250
Total	7.48	248.32			250
Cent Sect					
Share					5735
Total					5735
MS PG CL	Thermal	106.47	1925.47		4554
	Thml+Gas	117.42	2133.73		5019
	Hydro	18.49	382.45		1331
	Total	135.91	2516.18		6350
State Total		253.52	4975.50		16585

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Sep/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	4350	448	459	5257	840	3211	0	4164	4291	-966	-1007	12619	77	12696	2000	14696	49.90
2	4307	412	463	5182	786	3193	0	4036	4037	-841	-952	12271	50	12321	1856	14177	49.95
3	4247	303	459	5009	741	3148	0	4158	4051	-794	-866	12108	50	12158	1759	13917	49.99
4	4160	118	461	4739	726	3088	0	4315	4368	-720	-769	12178	50	12228	1663	13891	49.99
5	4256	73	459	4788	699	3078	0	4456	4700	-712	-750	12541	51	12592	1642	14234	49.99
6	4257	236	459	4952	671	3247	0	4374	4556	-735	-712	12741	55	12796	1709	14505	49.88
7	4401	725	465	5591	571	3294	0	4508	4676	-771	-807	13352	57	13409	1714	15123	49.99
8	4478	903	465	5846	468	3329	24	4686	5076	-878	-868	13900	57	13957	1771	15728	50.00
9	4590	952	462	6004	556	3329	80	4894	5251	-981	-987	14253	55	14308	1881	16189	50.00
10	4503	826	459	5788	558	3291	104	5306	5475	-1061	-1070	14163	52	14215	2039	16254	49.98
11	4518	746	455	5719	497	3326	126	5693	6092	-1174	-1212	14559	52	14611	2153	16764	49.97
12	4583	876	453	5912	464	3284	152	5681	6370	-1225	-1164	15029	54	15083	2212	17295	49.88
13	4721	1185	453	6359	298	3299	113	5253	5226	-1193	-1269	14039	109	14148	2231	16379	49.94
14	4752	1550	455	6757	241	3298	115	5111	5006	-1166	-1209	14225	56	14281	2151	16432	49.97
15	4753	1619	455	6827	258	3319	120	5142	5315	-1116	-1165	14699	53	14752	2104	16856	50.01
16	4563	1517	452	6532	271	3321	95	5184	5391	-1077	-1103	14533	51	14584	2086	16670	49.94
17	4473	1432	452	6357	408	3334	55	4825	4979	-1035	-1090	14062	51	14113	2029	16142	50.01
18	4428	945	448	5821	488	3194	19	4405	4295	-883	-1077	12751	54	12805	2027	14832	50.00
19	4381	775	448	5604	522	3308	0	4447	4777	-953	-965	13265	54	13319	2081	15400	49.87
20	4352	1237	453	6042	570	3350	0	4974	5033	-887	-971	14044	56	14100	2330	16430	49.88
21	4292	544	452	5288	561	3324	0	5036	5158	-812	-949	13409	53	13462	2348	15810	49.96
22	4287	577	453	5317	493	3380	0	4626	4798	-823	-919	13096	53	13149	2334	15483	49.97
23	4413	375	455	5243	452	3372	0	4709	4606	-798	-891	12809	53	12862	2201	15063	49.88
24	4403	112	459	4974	380	3413	0	4834	4673	-786	-727	12740	53	12793	2014	14807	49.95
MUs	106.47	18.49	10.95	135.91	12.52	78.73	1.00	114.82	118.20	-22.39	-23.50	323.39	1.36	324.74	48.34	373.08	49.95

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/2014

Position as on 6.30 Hrs of 22/Sep/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	
Bhusawal Unit 4	500	06/08/2014	13.56	21/09/2014	04.21	converted to AOH from 7/08/14	
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 Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	BTL	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
Chandrapur Unit 2	210	17/09/2014	22.34		Continued.	Boiler Tube Leakage	
Koyna Unit 8	80	18/09/2014	10.30		Continued.	Leakage Work.	
Bhusawal Unit 3	210	20/09/2014	08.36		Continued.	BLR T/L.	
REL 2	250	20/09/2014	10.12	21/09/2014	18.23	BLR T/L.	
CPP VIPL U-2	300	20/09/2014	20.51		Continued.	Loss of fuel.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2014

Position as on 6.30 Hrs of 22/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	19/09/2014	21.16		Continued.	Over Voltage.
Kolhapur - Mapusa - II	20/09/2014	18.18	21/09/2014	10.09	Over Voltage.
Kolhapur - Mapusa - I	21/09/2014	16.17		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	20/09/2014	21.23		Continued.	For attending gas leakage, taken on TBC.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
80 MVAR Reactor-II at BBLSR	18/09/2014	09.40		Continued.	To Open 400kv M.B 1 Jumpers Between 315 mva ICT-2 and 80 MVAR Reactor-2.
TBC Bay - I @ Chandrapur	18/09/2014	11.21		Continued.	Capatial overhauling of ckt.bkr.
New Koyna-Karad-II	19/09/2014	10.36	21/09/2014	12.44	Retrofitting of relay
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	19/09/2014	16.08		Continued.	maintance work
Dahanu-Ghodbandar-II	20/09/2014	06.15	21/09/2014	18.23	For commissioning of new tower in place of tilted tower of location no 147
220/132 KV 200 MVA ICT-II @ Nagar.	20/09/2014	07.15		Continued.	Testing and filtration work.
Apta-Kalwa	20/09/2014	16.32		Continued.	Taken on TBC for main CB CRM and timing testing work.
Trombay - Sonkar	21/09/2014	07.03	21/09/2014	12.32	For attending hot spot.
Karad-Vita-II	21/09/2014	09.51	21/09/2014	18.05	Insulator string repl.work.
Mulund-Trombay	21/09/2014	13.06	21/09/2014	18.08	To attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	20/09/2014	16.30	21/09/2014	08.44	Over Voltage.
Karad-Jaigad I	20/09/2014	21.13	21/09/2014	08.52	Over Voltage.
Bhusawal- Aurangabad	20/09/2014	21.21	21/09/2014	09.37	Over Voltage.
Lonikand- Koyna Stage IV	20/09/2014	23.02	21/09/2014	06.46	Over Voltage.
Karad - Kolhapur - I	21/09/2014	16.13	22/09/2014	06.45	Over Voltage.
Karad-Jaigad I	21/09/2014	17.16	22/09/2014	06.30	Over Voltage.
Lonikand- Koyna Stage IV	21/09/2014	22.15	22/09/2014	06.24	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 500 MVA ICT - II at Khaparkheda	21/09/2014	12.47	21/09/2014	17.50	Diff.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
220/100KV,200MVA ICT-I at Borivali.	21/09/2014	09.16	21/09/2014	10.27	Bus fault due to monkey.
220/100KV 200 MVA ICT III at Borivali	21/09/2014	09.16		Continued.	Bus fault due to monkey.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2014

Position as on 6.30 Hrs of 22/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bus Section I at Borivali	21/09/2014	09.16	21/09/2014	10.27	Bus fault due to monkey.
Warora - Wani	21/09/2014	10.06	21/09/2014	10.40	Bus Section II B-Ph CT Burst.
220/33KV 50MVA T/F at Wani	21/09/2014	10.06	21/09/2014	10.41	Bus Section II B-Ph CT Burst.
Purti-Butibori III	21/09/2014	13.01		Continued.	B-Ph string found broken.
Voltage Level : 100KV			Outage Type TRIPPED		
Borivali - Tata Tie I	21/09/2014	09.16	21/09/2014	10.29	Bus fault due to monkey.
Borivali-Tata Tie II	21/09/2014	09.16	21/09/2014	16.11	Bus fault due to monkey.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	140
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	400
Unit 5	500	340
	1420	740
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	165
Unit 7	250	200
	1130	525
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1280
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	172
	630	516
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	231
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	223
Adani	2640	1234
Other CPPs	300	691
	4545	3248
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6796
	3455	6796