



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Sep/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.400	2834.987	1) Gujrat	10.013	148.118
2) Hydro	29.430	635.416	2) Madhya Pradesh	18.651	468.825
3) Gas	10.254	296.577	3) Chattisgarh	7.420	210.030
Total MSGENCO	135.084	3766.980	4) Maharashtra Net	111.514	2815.932
B) 1) JSW JAIGAD	28.884	818.061	(Incl. 765kV Solapur-Raichur)	-6.679	-183.279
2) WPCL	5.454	114.064	5) Goa	-7.265	-193.563
3) ADANI	35.880	640.093	6) TAPS 1&2 Injection	7.414	220.168
4) Other CPP / IPP	24.501	469.864	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.706	550.050	8) Pench (Excess)	-0.578	-17.261
6) PENCH (MS)	0.595	17.278			
7) SOLAR	1.110	25.932	# Total Cent. Sector	147.169	3652.249
C) 1) TPCL Thermal	17.579	456.128	F) Other Exchanges		
2) TPCL Hydro	7.530	148.037	1) With TPCL (Excess)	-28.616	-762.779
TOTAL TPCL	25.109	604.165	G) Bilateral Power *		
3) REL Thermal	12.478	360.770	1) MSEDCL Bilateral	46.907	887.502
D) STATE			Include PX	15.344	165.388
1) Thermal (A1+C1+C3)	125.457	3651.885	2) MUMBAI Bilateral	27.719	680.613
2) Hydro (A2+B6+C2)	37.555	800.731	Include PX	6.124	125.082
3) Gas (A3)	10.254	296.577	3) MUMBAI Schedule	27.719	695.228
4) Wind (B5)	6.706	550.050	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	94.719	2042.082	1) MSEDCL	356.767	9291.792
6) SOLAR (B7)	1.110	25.932	2) TPCL	42.000	1101.623
TOTAL STATE	275.801	7367.257	3) REL	24.202	626.071
			TOTAL STATE	422.969	11019.486

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4262	4046	3675
MSGENCO Hydro	1302	1741	1360
MSGENCO Gas	430	425	434
MSGENCO Total Generation	5994	6212	5469
Central Sector Receipt	7272	6549	5803
WIND	234	463	64
CPP / IPP	3924	3957	3874
SOLAR	157	94	0
Exchange with Mumbai	-1665	-1668	-763
MSEDCL DEMAND MET	15939	15630	14471
Load Shedding	829	1794	281
MSEDCL DEMAND	16768	17424	14752
TPCL GENERATION	1147	1175	773
R-INFRA GENERATION	518	518	523
TPCL+R-INFRA DEMAND	3330	3361	2059
STATE DEMAND MET	19269	18991	16530
STATE DEMAND	20098	20785	16811
Frequency (Hz)	49.85	50.00	49.73

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 17:04 Hrs	49.47 Hz at 18:38 Hrs	49.86	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 30/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	2.26	74.39	140	0	50
Unit 7	2.40	82.49	160	0	160
Total	4.65	156.88			210
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	3.07	48.28	135	115	130
Unit 4	3.68	35.52	325	0	0
Unit 5	8.32	254.99	465	280	310
Total	15.06	347.72			440
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.69	106.39	160	146	160
Unit 6	5.24	147.24	250	173	225
Unit 7	4.14	139.61	250	0	225
Total	13.08	393.24			610
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.23	62.96	152	115	150
Unit 3	0.00	66.78	0	0	0
Unit 4	4.35	102.83	190	150	190
Unit 5	9.82	175.26	440	390	400
Unit 6	0.00	154.98	0	0	0
Unit 7	8.26	202.80	396	221	350
Total	25.66	765.61			1090
Paras					
Unit 3	4.32	81.52	206	155	180
Unit 4	0.00	128.63	0	0	0
Total	4.32	210.15			180
Khaparkheda					
Unit 1	3.25	89.25	165	110	170
Unit 2	3.56	104.24	170	125	170
Unit 3	4.14	114.83	188	162	170
Unit 4	4.08	90.83	210	160	170
Unit 5	7.08	216.50	345	248	350
Total	22.12	615.65			1030
Nasik					
Unit 3	4.16	118.04	195	160	172
Unit 4	2.14	106.64	195	0	172
Unit 5	4.22	121.06	192	162	172
Total	10.51	345.73			516
Uran					
All Units	10.25	296.58	442	381	440
Total	10.25	296.58			440
PENCH (MS)					
Pench (MS)	0.60	17.28	27	23	0
Total	0.60	17.28			0
Koyna					
Stage 1-2	5.68	148.78	510	40	600
Stage 4	17.36	287.13	1118	0	250
Stage 3	5.76	102.32	240	238	240
Kovna 12&4 Total	23.04	435.91			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	28.80	538.23			1090
Hydro					
KDPH	0.00	7.42	0	0	0
VTRNA	0.00	11.63	0	0	0
TILLARI	0.00	12.44	0	0	60
BHTGR/VEER	0.03	3.80	2	1	6
BHIRA T.R.	0.50	11.55	81	0	80
RNGR+BHTSA	0.00	1.25	0	0	0
BHANDARDRA	0.00	6.12	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.10	23.96	13	1	10
GHATGHAR	0.00	19.02	0	0	0
Total	0.64	97.18			156
Wind					
MalharPeth	0.17	16.70			
Vankuswadi	0.41	27.95			
ATIT	0.05	3.65			
Kale	0.15	11.13			
Satara	4.07	255.26			
Shirala	0.21	15.61			
K Mahankal	0.03	1.68			
Supa	0.08	8.71			
Vita	0.82	52.23			
Dondaicha	0.20	91.91			
Sakri	0.02	13.67			
Nandurbar	0.19	17.10			
Khandke	0.21	18.68			
Khaparale	0.10	15.76			
Total	6.71	550.05			
CPP					
JSW JAIGAD	28.88	818.06	1206	1199	1100
WARDHA	5.45	114.06	231	221	230
Adani	35.88	640.09	1520	1420	1553
Other CPPs	24.50	469.86			958
Total	94.72	2042.08			3841
SOLAR					
Total	1.11	25.93			
Total	1.11	25.93			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.91	298.80	501	478	500
Trombay 6	1.35	37.59	172	0	0
Trombay 7A	2.72	74.22	115	109	120
Trombay 7B	1.60	45.51	68	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	7.53	148.04	471	32	447
Total	25.11	604.16			1127
REL					
1&2	12.48	360.77	523	516	500
Total	12.48	360.77			500
Cent Sect					
Share					6589
Total					6589
MS PG CL	Thermal	95.40	2834.99		4076
	Thml+Gas	105.65	3131.56		4516
	Hydro	29.43	635.42		1246
	Total	135.08	3766.98		5762
State Total		275.80	7367.26		17819

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3726	1794	434	5954	76	3930	0	5892	6097	-998	-969	15115	130	15245	2530	17775	49.76
2	3724	1797	435	5956	71	3893	0	5596	5780	-829	-822	14901	212	15113	2329	17442	49.68
3	3710	1857	434	6001	69	3982	0	5420	5609	-746	-668	15017	219	15236	2168	17404	49.73
4	3755	1572	434	5761	72	3936	0	5467	6077	-733	-788	15083	225	15308	2069	17377	49.76
5	3675	1360	434	5469	64	3874	0	5472	5803	-700	-763	14471	281	14752	2059	16811	49.73
6	3799	1527	433	5759	83	3972	0	5550	5915	-695	-769	14987	470	15457	2131	17588	49.78
7	3821	1251	432	5504	119	3922	3	5659	5980	-748	-869	14686	1030	15716	2213	17929	49.93
8	3745	1114	432	5291	166	3925	32	5729	5945	-747	-768	14618	1261	15879	2325	18204	49.92
9	3938	987	432	5357	188	3936	95	6027	6422	-986	-1040	14981	1206	16187	2627	18814	49.91
10	4013	1369	431	5813	271	3940	108	6296	6478	-1205	-1351	15282	766	16048	3002	19050	49.83
11	4110	1383	431	5924	248	3981	156	6576	6858	-1534	-1594	15597	635	16232	3256	19488	49.83
12	4291	1394	430	6115	354	4001	153	6642	6516	-1580	-1662	15503	694	16197	3328	19525	49.90
13	4262	1302	430	5994	234	3924	157	6555	7272	-1559	-1665	15939	829	16768	3330	20098	49.85
14	4068	1498	424	5990	280	3934	141	6365	7119	-1458	-1566	15921	810	16731	3234	19965	49.88
15	4074	1600	417	6091	286	3933	119	6476	6835	-1461	-1675	15613	1527	17140	3338	20478	49.86
16	4046	1741	425	6212	463	3957	94	6338	6549	-1432	-1668	15630	1794	17424	3361	20785	50.00
17	3980	1327	428	5735	470	3964	35	6163	6311	-1427	-1537	15003	1434	16437	3336	19773	49.94
18	4085	911	433	5429	520	3970	17	5790	5613	-1436	-1433	14143	1242	15385	3242	18627	49.91
19	4173	553	412	5138	564	3938	0	5789	6154	-1355	-1294	14527	565	15092	3099	18191	49.84
20	4171	1203	381	5755	537	3969	0	5813	5474	-1260	-1228	14533	698	15231	2868	18099	50.00
21	4119	846	391	5356	675	4012	0	5819	5316	-1235	-1266	14116	541	14657	2832	17489	49.97
22	4041	475	440	4956	474	3930	0	5633	5499	-1244	-1167	13717	328	14045	2652	16697	49.96
23	4020	282	442	4744	248	3978	0	5718	5832	-1230	-1089	13737	197	13934	2471	16405	49.83
24	4054	287	439	4780	174	3918	0	5647	5715	-1122	-965	13647	157	13804	2403	16207	49.88
MUs	95.40	29.43	10.25	135.08	6.71	94.72	1.11	142.43	147.17	-27.72	-28.62	356.77	17.25	374.02	66.20	440.22	49.86

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 30/Sep/2014

Position as on 6.30 Hrs of 01/Oct/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
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	
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	30/09/2014	15.48	Economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
Bhusawal Unit 4	500	25/09/2014	21.16	30/09/2014	08.32	Economizer Tube Leakage.	
Chandrapur Unit 3	210	27/09/2014	17.43		Continued.	Drum level low	
Chandrapur Unit 6	500	27/09/2014	21.57	01/10/2014	00.26	BTL	
Koradi Unit 6	210	28/09/2014	09.45	30/09/2014	05.16	BLR T/L.	
Paras Unit 4	250	29/09/2014	23.37		Continued.	Blr Validity Renevoation.	
Parli Unit 6	250	30/09/2014	06.27	30/09/2014	10.51	Flame Failure	
Koradi Unit 7	210	30/09/2014	12.12	30/09/2014	15.18	Furnace Pressure High	
Nasik Unit 4	210	30/09/2014	13.00		Continued.	ID Fan Problem	
Uran Unit B0	120	30/09/2014	18.28	30/09/2014	20.48	Tripped on Jerk	
Koradi Unit 7	210	01/10/2014	04.50		Continued.	Furnace Pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Sep/2014

Position as on 6.30 Hrs of 01/Oct/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		
Kolhapur - Mapusa - II	29/09/2014	17.17	30/09/2014	09.11	Over Voltage.
Kolhapur - Mapusa - I	30/09/2014	16.54		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Mahalakshmi - Amona	30/09/2014	14.01	30/09/2014	16.20	Distance protection
Halkarni-Mahalaxmi	30/09/2014	14.02	30/09/2014	16.18	Distance Protection
Vasai-Boiser(PG)	30/09/2014	15.10	30/09/2014	16.21	Direct Trip received
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220KV 315MVA ICT- I @ Chandrapur	30/09/2014	09.24	30/09/2014	20.13	Tan Delta Measurement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/66KV 150 MVA ICT- II @ Gadchandur	29/09/2014	16.20		Continued.	Overhauling of main breaker(ICT on TBC).
220/132KV,200 MVA T/F-I At Apta	30/09/2014	09.05	30/09/2014	17.40	Testing work
Karad-Vita-II	30/09/2014	10.36	30/09/2014	13.39	Red Hot Spot
Padgha-Vasai	30/09/2014	11.00	30/09/2014	14.00	Red Hot Spot
Babaleshwar - Nagar - I	30/09/2014	17.48	30/09/2014	21.07	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	29/09/2014	16.37	30/09/2014	08.56	Over Voltage.
Karad - Kolhapur - I	30/09/2014	20.33		Continued.	Over Voltage
Bhusawal- Aurangabad	30/09/2014	21.14		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	30/09/2014	14.52		Continued.	Distance Protection(RFC 15.45Hrs)
Koyna Stg.IV--New Koyna-II	30/09/2014	14.57	30/09/2014	18.05	Distance Protection
Newkoyna - Jaigad - I	30/09/2014	17.07	30/09/2014	17.52	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200 MVA ICT III at Borivali	21/09/2014	09.16		Continued.	Bus fault due to monkey.
Aurangabad - Bhenda	26/09/2014	07.10		Continued.	Bus bar prot.operated 220kv bhenda ckt B phase ct.burst
Parly - Harangul - I	30/09/2014	06.25	30/09/2014	07.20	Load Trimming of 400/220KV ICT-I operated at 400KV Parly S/S
Parly - Harangool - II	30/09/2014	06.25	30/09/2014	07.08	Load Trimming of 400/220KV ICT-I operated at 400KV Parly S/S
Pedambe - Adlab	30/09/2014	14.32	30/09/2014	16.40	Distance Protection
Nagothane - ACCIL	30/09/2014	16.33	01/10/2014	03.35	Distance Protection
Sahara-B'dying	30/09/2014	16.50	01/10/2014	02.24	Distance Protection
Sahara-Urse	30/09/2014	17.00	30/09/2014	17.55	Distance Protection
Uran-Kharghar-I	30/09/2014	18.35	30/09/2014	18.54	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	0
	620	100
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	300
Unit 5	500	300
	1420	730
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	177
Unit 7	250	234
	1130	571
Chandrapur		
Unit 1	210	0
Unit 2	210	125
Unit 3	210	0
Unit 4	210	200
Unit 5	500	425
Unit 6	500	350
Unit 7	500	375
	2340	1475
Paras		
Unit 3	250	190
Unit 4	250	0
	500	190
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	190
Unit 4	210	0
Unit 5	210	190
	630	380
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	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	93
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	230
Adani	2640	1553
Other CPPs	300	713
	4545	3596
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6430
	3455	6430

	21940	18182
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