



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Sep/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.510	2032.981	1) Gujrat	8.982	49.665
2) Hydro	19.957	402.405	2) Madhya Pradesh	17.448	324.393
3) Gas	10.653	218.909	3) Chattisgarh	8.240	141.550
Total MSGENCO	138.120	2654.295	4) Maharashtra Net	100.626	1916.086
B) 1) JSW JAIGAD	28.253	587.111	(Incl. 765kV Solapur-Raichur)	-8.683	-108.805
2) WPCL	2.467	74.388	5) Goa	-7.204	-137.446
3) ADANI	36.080	389.513	6) TAPS 1&2 Injection	7.220	162.465
4) Other CPP / IPP	13.917	305.139	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.499	512.622	8) Pench (Excess)	-0.579	-12.662
6) PENCH (MS)	0.579	12.662			
7) SOLAR	1.182	18.338	# Total Cent. Sector	134.733	2444.051
C) 1) TPCL Thermal	15.799	327.050	F) Other Exchanges		
2) TPCL Hydro	5.910	94.866	1) With TPCL (Excess)	-24.823	-551.114
TOTAL TPCL	21.709	421.916	G) Bilateral Power *		
3) REL Thermal	12.503	260.825	1) MSEDCL Bilateral	38.722	515.113
D) STATE			Include PX	11.265	19.369
1) Thermal (A1+C1+C3)	135.812	2620.856	2) MUMBAI Bilateral	23.403	478.619
2) Hydro (A2+B6+C2)	26.446	509.933	Include PX	5.911	77.004
3) Gas (A3)	10.653	218.909	3) MUMBAI Schedule	23.903	488.809
4) Wind (B5)	6.499	512.622	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	80.717	1356.151	1) MSEDCL	337.007	6447.005
6) SOLAR (B7)	1.182	18.338	2) TPCL	37.617	787.909
TOTAL STATE	261.309	5236.809	3) REL	21.418	445.933
			TOTAL STATE	396.042	7680.847

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4303	4611	4397
MSGENCO Hydro	1491	1165	60
MSGENCO Gas	430	429	470
MSGENCO Total Generation	6224	6205	4927
Central Sector Receipt	6583	6265	4837
WIND	83	220	392
CPP / IPP	3403	3447	3183
SOLAR	143	102	0
Exchange with Mumbai	-1382	-1359	-546
MSEDCL DEMAND MET	15079	14905	12818
Load Shedding	51	52	49
MSEDCL DEMAND	15130	14957	12867
TPCL GENERATION	1069	1092	598
R-INFRA GENERATION	519	521	521
TPCL+R-INFRA DEMAND	2970	2972	1665
STATE DEMAND MET	18049	17877	14483
STATE DEMAND	18100	17929	14532
Frequency (Hz)	49.90	49.83	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 17:01 Hrs	49.61 Hz at 13:46 Hrs	49.89	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 22/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	2.12	62.46	135	0	145
Unit 7	2.98	56.87	155	70	140
Total	5.10	119.33			285
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	0.00	28.24	0	0	0
Unit 4	6.08	9.52	350	200	400
Unit 5	8.67	188.04	460	300	340
Total	14.76	234.74			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.74	76.66	163	140	160
Unit 6	4.82	106.87	241	177	165
Unit 7	4.90	99.22	235	175	200
Total	13.47	282.74			525
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	45.37	0	0	0
Unit 3	4.06	50.10	183	152	180
Unit 4	4.51	70.31	195	167	200
Unit 5	8.03	106.67	402	240	300
Unit 6	7.76	117.03	365	270	300
Unit 7	6.47	143.20	330	218	300
Total	30.82	532.67			1280
Paras					
Unit 3	4.73	55.11	226	165	250
Unit 4	4.82	98.62	226	188	250
Total	9.55	153.74			500
Khaparkheda					
Unit 1	3.60	61.06	170	135	170
Unit 2	3.62	75.73	170	140	170
Unit 3	3.71	82.98	165	144	170
Unit 4	3.61	80.13	161	135	170
Unit 5	7.39	159.17	340	260	350
Total	21.93	459.06			1030
Nasik					
Unit 3	3.90	85.45	185	150	172
Unit 4	3.96	76.69	187	157	172
Unit 5	4.02	88.56	190	160	172
Total	11.88	250.71			516
Uran					
All Units	10.65	218.91	471	428	465
Total	10.65	218.91			465
PENCH (MS)					
Pench (MS)	0.58	12.66	27	7	0
Total	0.58	12.66			0
Koyna					
Stage 1-2	4.68	96.95	505	40	530
Stage 4	10.62	153.57	927	0	250
Stage 3	3.25	63.02	240	0	320
Kovna 12&4 Total	15.30	250.52			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.55	313.53			1100
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.63	0	0	61
TILLARI	0.00	11.74	0	0	63
BHTGR/VEER	0.11	3.06	5	4	4
BHIRA T.R.	0.22	8.00	40	0	80
RNGR+BHTSA	0.20	0.82	14	0	0
BHANDARDRA	0.01	6.10	13	0	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.43	22.32	26	14	9
GHATGHAR	0.43	17.80	125	0	0
Total	1.40	88.87			231
Wind					
MalharPeth	0.20	15.91			
Vankuswadi	0.35	26.18			
ATIT	0.04	3.46			
Kale	0.09	10.55			
Satara	1.84	235.12			
Shirala	0.20	14.65			
K Mahankal	0.01	1.58			
Supa	0.03	8.23			
Vita	0.28	48.53			
Dondaicha	2.32	87.02			
Sakri	0.30	13.10			
Nandurbar	0.45	15.68			
Khandke	0.16	17.39			
Khaparale	0.24	15.22			
Total	6.50	512.62			
CPP					
JSW JAIGAD	28.25	587.11	1210	1017	1100
WARDHA	2.47	74.39	109	96	223
Adani	36.08	389.51	1530	1490	1234
Other CPPs	13.92	305.14			691
Total	80.72	1356.15			3248
SOLAR					
Total	1.18	18.34			
Total	1.18	18.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.82	203.30	501	461	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.46	54.23	115	79	120
Trombay 7B	1.52	33.28	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.91	94.87	442	0	447
Total	21.71	421.92			1127
REL					
1&2	12.50	260.82	523	519	500
Total	12.50	260.82			500
Cent Sect					
Share					6796
Total					6796
MS PG CL	Thermal	107.51	2032.98		4876
	Thml+Gas	118.16	2251.89		5341
	Hydro	19.96	402.40		1331
	Total	138.12	2654.30		6672
State Total	261.31	5236.81			18343

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4437	83	470	4990	428	3379	0	5072	5012	-685	-783	13053	76	13129	1979	15108	49.93
2	4370	60	471	4901	420	3196	0	4784	4830	-540	-651	12721	49	12770	1822	14592	49.92
3	4401	60	471	4932	438	3217	0	4646	4865	-459	-588	12889	49	12938	1706	14644	49.95
4	4397	60	470	4927	392	3183	0	4648	4837	-447	-546	12818	49	12867	1665	14532	49.97
5	4399	60	469	4928	396	3193	0	4565	4841	-452	-496	12887	50	12937	1652	14589	49.89
6	4398	269	470	5137	381	3373	0	4661	5045	-561	-538	13424	55	13479	1754	15233	49.84
7	4379	997	469	5845	312	3374	2	5030	5183	-681	-727	14015	65	14080	1935	16015	49.89
8	4405	1448	459	6312	228	3441	28	5251	5551	-852	-665	14920	65	14985	2089	17074	49.91
9	4381	1331	452	6164	145	3383	81	5739	5938	-1178	-1036	14700	62	14762	2377	17139	49.95
10	4406	1549	430	6385	138	3384	133	6000	6082	-1143	-1180	14967	57	15024	2785	17809	49.89
11	4303	1491	430	6224	83	3403	143	6400	6583	-1329	-1382	15079	51	15130	2970	18100	49.90
12	4306	1309	428	6043	53	3405	160	6824	6811	-1372	-1453	15044	53	15097	2993	18090	49.90
13	4605	1053	430	6088	81	3393	169	6436	6659	-1372	-1465	14932	106	15038	2995	18033	49.90
14	4782	1068	430	6280	102	3410	134	6155	6276	-1283	-1369	14846	57	14903	2883	17786	49.84
15	4756	1171	430	6357	157	3385	139	6331	6258	-1262	-1383	14938	54	14992	2919	17911	49.85
16	4611	1165	429	6205	220	3447	102	6424	6265	-1264	-1359	14905	52	14957	2972	17929	49.83
17	4531	1199	430	6160	288	3413	68	6052	5969	-1299	-1293	14631	54	14685	2916	17601	49.86
18	4601	1123	430	6154	224	3395	22	5198	5256	-1275	-1306	13770	56	13826	2913	16739	49.86
19	4569	757	430	5756	310	3383	1	5426	5286	-1236	-1172	13589	57	13646	2799	16445	49.81
20	4523	1460	431	6414	366	3378	0	5713	5530	-1137	-1187	14526	58	14584	2830	17414	49.89
21	4488	868	430	5786	402	3415	0	5704	5604	-1061	-1145	14087	53	14140	2750	16890	49.90
22	4524	609	430	5563	384	3400	0	5314	5231	-1079	-1077	13526	53	13579	2572	16151	49.90
23	4452	408	431	5291	337	3365	0	5483	5449	-1049	-1105	13364	53	13417	2513	15930	49.86
24	4486	359	433	5278	214	3402	0	5331	5372	-886	-917	13376	53	13429	2246	15675	49.97
MUs	107.51	19.96	10.65	138.12	6.50	80.72	1.18	133.19	134.73	-23.90	-24.82	337.01	1.39	338.39	59.04	397.43	49.89

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 22/Sep/2014

Position as on 6.30 Hrs of 23/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	
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.	Economic shutdown	
CPP WPCL U-4	135	14/09/2014	00.03	23/09/2014	05.46	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	
Bhusawal Unit 3	210	20/09/2014	08.36		Continued.	BLR T/L.	
CPP VIPL U-2	300	20/09/2014	20.51		Continued.	Loss of fuel.	
Koradi Unit 6	210	22/09/2014	18.30		Continued.	ID Fan Problem.	
Khaparkheda Unit 4	210	23/09/2014	02.35		Continued.	Coal Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2014

Position as on 6.30 Hrs of 23/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	22/09/2014	11.01		Continued.	Retrofitting Num dist prot relay.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	21/09/2014	16.17	22/09/2014	07.04	Over Voltage.
Dabhol-Nagothane-II	22/09/2014	12.22	22/09/2014	18.24	Heavy sparking 400KV CT of TBC.
Kolhapur - Mapusa - II	22/09/2014	17.23		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.
765 KV Wardha PG - Aurangabad PG 1	21/09/2014	09.15		Continued.	Erection of BPI for spare reactor and Their jumper.
Khadka - Deepnagar - II	22/09/2014	10.46		Continued.	Jumper nut bolt.
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Main Bus- II @ Aurangabad	22/09/2014	12.28	22/09/2014	16.36	Half Yearly maint.and attending hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	19/09/2014	16.08		Continued.	maintance work
220/132 KV 200 MVA ICT-II @ Nagar.	20/09/2014	07.15	22/09/2014	16.35	Testing and filtration work.
Apta-Kalwa	20/09/2014	16.32		Continued.	Taken on TBC for main CB CRM and timing testing work.
Mulund-Kalwa-II	22/09/2014	06.26	22/09/2014	11.48	Line side isolator red hot spot.
Main Bus Section- I @ Pedambe	22/09/2014	08.05	22/09/2014	11.30	Red hot spot of B-Ph Main Bus BKR Cond.
Badnera-Akola-II	22/09/2014	08.12	22/09/2014	21.02	Stringing of 765KV Koradi-Akola II.
Badnera-Akola ckt-I	22/09/2014	08.12	22/09/2014	20.59	Stringing of 765KV Koradi-Akola II.
TBC @ Hinganghat	22/09/2014	09.20		Continued.	CB pole overhauling work.
220/100KV 200MVA ICT-III at Kalwa	22/09/2014	09.33	22/09/2014	17.49	Red hot.
220/132 KV 200 MVA ICT-I @ Jalna	22/09/2014	09.45	22/09/2014	18.40	Measurement of tan delta of ICT bushings.
Bhugaon-Wardha	22/09/2014	10.01	22/09/2014	16.34	Measurement of tan delta of CT attending hot spot on Y-Ph wave trap.
Main Bus at Niwali	22/09/2014	10.08	22/09/2014	17.50	R.M.Work.
Dhamangaon - Rly TSS - I	22/09/2014	10.33	22/09/2014	22.50	Restranging work of one span.
Ambazari-Amravati	22/09/2014	10.58	22/09/2014	16.17	Providing repair sleeves to conductor of R and Y Ph.
Parli U-8 GCR Ckt. at Parbhani	22/09/2014	11.07	22/09/2014	12.48	Attending hot spot on R-Ph CT.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Borivali - Tata - V	22/09/2014	08.51	22/09/2014	08.58	Removing wire felt on CT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2014

Position as on 6.30 Hrs of 23/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/132KV 200MVA ICT II at Kedgaon	22/09/2014	12.20	22/09/2014	22.30	As oil is pouring out from various parts of ICT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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.
Bhusawal- Aurangabad	22/09/2014	17.06		Continued.	Over Voltage.
Karad - Kolhapur - II	22/09/2014	17.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hingoli-Pusad	22/09/2014	11.03	22/09/2014	13.00	E/O of 220KV Parbhani-Parli U-8 Ckt.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	22/09/2014	11.28		Continued.	Dist.prot.Dabhol end,A/R succ at Nagothane.
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 200 MVA ICT III at Borivali	21/09/2014	09.16		Continued.	Bus fault due to monkey.
Purti-Butibori III	21/09/2014	13.01	22/09/2014	09.36	B-Ph string found broken.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Sonpeth	22/09/2014	17.06		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	144
	620	144
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	400
Unit 5	500	450
	1420	850
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	220
Unit 7	250	230
	1130	610
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	400
Unit 6	500	350
Unit 7	500	225
	2340	1355
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	153
Unit 2	210	153
Unit 3	210	153
Unit 4	210	0
Unit 5	500	329
	1340	788
Nasik		
Unit 3	210	160
Unit 4	210	160
Unit 5	210	160
	630	480
Uran		
All Units	852	465
	852	465
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	13
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	70
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	1099
WARDHA	405	223
Adani	2640	1234
Other CPPs	300	781
	4545	3337
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	7185
	3455	7185