



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Nov/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.976	2821.796	1) Gujrat	0.615	72.660
2) Hydro	8.116	175.287	2) Madhya Pradesh	10.390	365.221
3) Gas	10.617	240.362	3) Chattisgarh	6.710	210.270
Total MSGENCO	132.709	3237.445	4) Maharashtra Net	88.858	2296.088
B) 1) JSW JAIGAD	26.895	629.798	(Incl. 765kV Solapur-Raichur)	-11.969	-266.350
2) WPCL	2.744	65.315	5) Goa	-6.198	-166.521
3) ADANI	60.990	1457.110	6) TAPS 1&2 Injection	3.644	88.599
4) Other CPP / IPP	23.765	501.317	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.592	149.959	8) Pench (Excess)	-0.422	-13.314
6) PENCH (MS)	0.422	13.314	# Total Cent. Sector	103.597	2853.003
7) SOLAR	1.129	24.455	F) Other Exchanges		
C) 1) TPCL Thermal	19.630	455.372	1) With TPCL (Excess)	-22.610	-599.736
2) TPCL Hydro	4.256	84.249	G) Bilateral Power *		
TOTAL TPCL	23.886	539.621	1) MSEDCL Bilateral	23.924	716.372
3) REL Thermal	12.097	299.144	Include PX	-3.405	74.919
D) STATE			2) MUMBAI Bilateral	22.876	539.360
1) Thermal (A1+C1+C3)	145.703	3576.312	Include PX	3.615	99.229
2) Hydro (A2+B6+C2)	12.794	272.850	3) MUMBAI Schedule	22.876	539.905
3) Gas (A3)	10.617	240.362	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.592	149.959	1) MSEDCL	336.233	8331.980
5) CPP/IPP (B1+B2+B3+B4)	114.394	2653.540	2) TPCL	35.663	868.448
6) SOLAR (B7)	1.129	24.455	3) REL	22.928	570.164
TOTAL STATE	291.229	6917.478	TOTAL STATE	394.824	9770.592

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5270	5282	4424
MSGENCO Hydro	345	368	99
MSGENCO Gas	424	429	461
MSGENCO Total Generation	6039	6079	4984
Central Sector Receipt	4971	5422	3114
WIND	198	173	416
CPP / IPP	4968	4978	4298
SOLAR	177	131	0
Exchange with Mumbai	-1154	-1101	-703
MSEDCL DEMAND MET	15219	15706	12135
Load Shedding	916	212	65
MSEDCL DEMAND	16135	15918	12200
TPCL GENERATION	1239	1244	652
R-INFRA GENERATION	521	521	455
TPCL+R-INFRA DEMAND	2914	2866	1810
STATE DEMAND MET	18133	18572	13945
STATE DEMAND	19049	18784	14010
Frequency (Hz)	49.88	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 05:03 Hrs	49.66 Hz at 18:09 Hrs	49.96	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 25/Nov/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	3.58	76.27	170	141	145
Unit 7	3.54	89.60	175	111	130
Total	7.13	165.87			275
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.38	49.72	165	130	137
Unit 4	0.00	190.20	0	0	0
Unit 5	9.74	171.61	460	355	380
Total	13.12	411.53			517
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.35	89.46	146	132	140
Unit 6	4.63	114.48	250	176	178
Unit 7	4.66	114.79	250	175	180
Total	12.64	318.74			498
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	80.84	0	0	0
Unit 3	0.00	42.49	0	0	0
Unit 4	4.33	101.16	204	162	190
Unit 5	9.62	212.11	455	365	400
Unit 6	9.15	204.01	415	350	400
Unit 7	9.07	183.32	428	266	400
Total	32.18	823.92			1390
Paras					
Unit 3	4.54	115.84	220	177	180
Unit 4	4.53	113.72	205	169	180
Total	9.07	229.56			360
Khaparkheda					
Unit 1	3.97	93.63	200	120	180
Unit 2	3.86	91.02	170	145	180
Unit 3	4.64	100.43	210	170	185
Unit 4	4.40	99.69	198	160	185
Unit 5	10.38	205.85	500	370	420
Total	27.25	590.62			1150
Nasik					
Unit 3	4.24	101.82	200	165	190
Unit 4	4.20	92.34	180	170	190
Unit 5	4.17	87.40	193	164	190
Total	12.60	281.56			570
Uran					
All Units	10.62	240.36	468	417	450
Total	10.62	240.36			450
PENCH (MS)					
Pench (MS)	0.42	13.31	44	0	
Total	0.42	13.31			
Koyna					
Stage 1-2	3.34	53.70	505	40	600
Stage 4	1.03	18.20	280	0	250
Stage 3	1.09	16.25	160	0	240
Kovna 12&4 Total	4.37	71.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.46	88.15			1090
Hydro					
KDPH	0.00	4.60	0	0	0
VTRNA	1.08	23.50	61	0	61
TILLARI	0.24	8.84	62	0	64
BHTGR/VEER	0.07	1.93	3	2	4
BHIRA T.R.	0.12	4.62	79	0	40
RNGR+BHTSA	0.40	4.16	17	16	0
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.00	6.62	0	0	0
SMLHY PTN	0.75	15.83	39	28	24
GHATGHAR	0.00	16.24	0	0	0
Total	2.66	87.14			193
Wind					
MalharPeth	0.20	4.80			
Vankuswadi	0.46	9.81			
ATIT	0.05	1.02			
Kale	0.16	3.85			
Satara	3.85	79.57			
Shirala	0.24	5.99			
K Mahankal	0.02	0.37			
Supa	0.06	1.55			
Vita	0.79	17.58			
Dondaicha	0.26	11.34			
Sakri	0.23	1.76			
Nandurbar	0.03	4.85			
Khandke	0.17	3.63			
Khaparale	0.07	3.83			
Total	6.59	149.96			
CPP					
JSW JAIGAD	26.90	629.80	1194	987	1088
WARDHA	2.74	65.32	117	109	115
Adani	60.99	1457.11	2610	2260	2645
Other CPPs	23.76	497.79			745
Total	114.39	2650.01			4593
SOLAR					
Total	1.13	24.46			
Total	1.13	24.46			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.23	246.02	500	314	500
Trombay 6	0.00	78.16	0	0	0
Trombay 7A	2.47	62.81	116	79	120
Trombay 7B	1.52	37.82	68	55	60
Trombay 8	5.41	30.56	253	187	250
TATA Hydro	4.26	84.25	422	0	447
Total	23.89	539.62			1377
REL					
1&2	12.10	299.14	521	455	500
Total	12.10	299.14			500
Cent Sect					
Share					4954
Total					4954
MS PG CL	Thermal	113.98	2821.80		4760
	Thml+Gas	124.59	3062.16		5210
	Hydro	8.12	175.29		1283
	Total	132.71	3237.44		6493
State Total		291.23	6917.48		17917

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Nov/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	4431	121	468	5020	321	4695	0	3702	3503	-749	-982	12570	82	12652	2092	14744	49.99
2	4448	94	457	4999	328	4550	0	3424	3277	-730	-816	12363	65	12428	1923	14351	50.00
3	4424	99	461	4984	416	4298	0	3325	3114	-696	-703	12135	65	12200	1810	14010	49.99
4	4443	89	462	4994	419	4248	0	3166	3263	-689	-618	12332	65	12397	1733	14130	49.95
5	4459	94	468	5021	423	4225	0	3473	3737	-689	-615	12818	119	12937	1730	14667	49.97
6	4597	89	460	5146	412	4369	0	3918	4187	-702	-644	13497	191	13688	1802	15490	49.96
7	4660	278	462	5400	409	4793	0	4488	4553	-725	-571	14627	224	14851	1930	16781	49.80
8	4706	480	460	5646	336	4942	19	4544	4615	-798	-562	15020	224	15244	2047	17291	49.93
9	4684	543	459	5686	249	4952	71	4467	4771	-849	-790	14982	215	15197	2319	17516	49.99
10	4701	718	448	5867	243	4983	112	4699	4723	-979	-905	15046	209	15255	2641	17896	49.99
11	4661	683	440	5784	238	4938	156	4950	5300	-1168	-1078	15382	269	15651	2848	18499	49.93
12	4885	705	427	6017	256	4982	159	5001	5006	-1227	-1094	15350	761	16111	2901	19012	49.93
13	5270	345	424	6039	198	4968	177	4976	4971	-1211	-1154	15219	916	16135	2914	19049	49.88
14	5291	174	431	5896	168	4921	154	5018	4803	-1200	-1093	14875	458	15333	2821	18154	49.99
15	5282	368	429	6079	173	4978	131	5001	5422	-1200	-1101	15706	212	15918	2866	18784	49.98
16	4838	718	424	5980	173	4961	97	4974	5063	-1167	-1006	15275	127	15402	2883	18285	49.90
17	4817	693	423	5933	151	4943	47	4948	4900	-1134	-1036	14938	131	15069	2871	17940	49.86
18	4858	207	430	5495	158	4880	6	4920	4591	-1099	-1052	14078	88	14166	2879	17045	49.89
19	4817	373	439	5629	171	4929	0	4922	5086	-1151	-1158	14657	65	14722	2911	17633	49.92
20	4769	456	440	5665	208	4949	0	4715	4441	-1085	-1200	14063	67	14130	2847	16977	50.01
21	4728	299	417	5444	234	4828	0	4294	4524	-960	-1126	13904	64	13968	2659	16627	50.05
22	4773	176	417	5366	263	4705	0	3538	3564	-895	-1097	12801	58	12859	2510	15369	50.09
23	4804	147	435	5386	326	4736	0	3346	3140	-917	-1145	12443	58	12501	2392	14893	50.04
24	4630	167	436	5233	319	4621	0	3146	3043	-858	-1064	12152	58	12210	2264	14474	50.08
MUs	113.98	8.12	10.62	132.71	6.59	114.39	1.13	102.96	103.60	-22.88	-22.61	336.23	4.79	341.02	58.59	399.62	49.96

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 25/Nov/2014

Position as on 6.30 Hrs of 26/Nov/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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
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	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Bhusawal Unit 4	500	24/11/2014	11.50		Continued.	E.T/L.	
Chandrapur Unit 2	210	24/11/2014	17.53	26/11/2014	05.34	ID Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2014

Position as on 6.30 Hrs of 26/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Talegaon (PG - Parli (PG) - II	25/11/2014	11.47	25/11/2014	16.45	WRPC Approved Outage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work (for 5 Days)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	24/11/2014	17.04	25/11/2014	09.10	Over Voltage.
Dhule-Sar'Sarovar - II	24/11/2014	18.01	25/11/2014	09.18	Over Voltage.
Kolhapur-Solapur (PG) II	25/11/2014	01.31	25/11/2014	08.54	Over Voltage.
Dhule-Sar'Sarovar - I	25/11/2014	17.24		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/11/2014	21.55		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	25/11/2014	09.23		Continued.	R M & Tree Cutting Work.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
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.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.(2Days).
400/11.5/6.6 KV 70 MVA Station T/F 5A @ Khaparkheda	18/11/2014	10.50		Continued.	Oil Pump Repl and oil filtration work.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV Spare ICT @ Jejuri	24/11/2014	10.30		Continued.	Testing and Commissioning work.
400/220 KV 500 MVA ICT - I @ Warora	25/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder Of B Ph.
Padgha - Nagothane- II	25/11/2014	09.13	25/11/2014	18.49	Routine Maintenance & Testing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110KV, 200MVA T/F-III at Mudshingi	17/11/2014	09.00		Continued.	To repl.BKR pole,Taken on TBC.
Apta - Taloja	22/11/2014	12.55		Continued.	Taken on TBC.
Temghar-Colourchem	25/11/2014	06.25	25/11/2014	10.02	Hot Spot.
Uran-Kharghar-II	25/11/2014	07.09	25/11/2014	20.18	Conductor Replacement work.
Dahanu - Ghodbandar - I	25/11/2014	08.03	25/11/2014	09.16	Attending Hot Spot.
Hinjewadi-I-Chinchwad	25/11/2014	08.38	25/11/2014	08.52	Y Phase Bus PT Burst At Hinjewadi 1.
Hinjawadi-I - Hinjawadi-II	25/11/2014	08.38	25/11/2014	09.02	Y Phase Bus PT Burst At Hinjewadi 1.
Chikhali - Jalna - II	25/11/2014	09.30	25/11/2014	18.25	Balance Rectification work.
Parly - Harangul - I	25/11/2014	09.44	25/11/2014	13.10	attending Broken Conductor.
Kharepatan-Pawas	25/11/2014	09.51	25/11/2014	18.35	Insulator Replacement.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2014

Position as on 6.30 Hrs of 26/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 100 MVA T/F - III @ Lonand	25/11/2014	10.00	25/11/2014	17.09	Q.M.Work.
220/110KV 100 MVA ICT-II @ Miraj.	25/11/2014	10.00	25/11/2014	15.30	CT Tan Delta Measurment.
Mahad-Pasco	25/11/2014	10.14	25/11/2014	10.52	Attending Breaker Air Compressor.
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Kanhan - Umred - I	25/11/2014	11.36	25/11/2014	18.27	Maintenance of Line Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/11/2014	16.42	25/11/2014	09.47	Over Voltage.
Bhusawal- Aurangabad	24/11/2014	17.12	25/11/2014	10.50	Over Voltage.
Karad-Jaigad I	24/11/2014	21.06	25/11/2014	10.57	Over Voltage.
Lonikand- Koyna Stage IV	24/11/2014	22.00	25/11/2014	06.25	Over Voltage.
Karad - Kolhapur - II	25/11/2014	16.07		Continued.	Over Voltage.
Karad-Jaigad I	25/11/2014	17.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/11/2014	19.11		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	25/11/2014	21.42		Continued.	Over Voltage.
Dhabhol - Nagothane - I	26/11/2014	03.23	26/11/2014	06.36	Over Voltage.
Lonikand- Koyna Stage IV	26/11/2014	06.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
220/22 KV 50 MVA ICT- I @ Talegaon(Ambi)	24/11/2014	01.52		Continued.	Y Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	145
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	390
	1420	530
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	145
Unit 6	250	190
Unit 7	250	190
	1130	525
Chandrapur		
Unit 1	210	0
Unit 2	210	100
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1500
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	185
Unit 4	210	185
Unit 5	500	420
	1340	1150
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
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	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	213
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	1088
WARDHA	405	115
Adani	2640	2645
Other CPPs	300	745
	4545	4593
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	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4928
	3455	4928