



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Nov/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.258	2707.820	1) Gujrat	1.347	72.045
2) Hydro	5.443	167.171	2) Madhya Pradesh	12.031	354.831
3) Gas	10.646	229.745	3) Chattisgarh	7.200	203.560
Total MSGENCO	133.347	3104.736	4) Maharashtra Net	86.372	2207.230
B) 1) JSW JAIGAD	26.548	602.903	(Incl. 765kV Solapur-Raichur)	-11.609	-254.381
2) WPCL	2.748	62.571	5) Goa	-6.320	-160.323
3) ADANI	60.250	1396.120	6) TAPS 1&2 Injection	3.644	84.955
4) Other CPP / IPP	21.835	477.552	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.659	143.367	8) Pench (Excess)	-0.217	-12.892
6) PENCH (MS)	0.217	12.892	# Total Cent. Sector	104.057	2749.406
7) SOLAR	1.091	23.326	F) Other Exchanges		
C) 1) TPCL Thermal	18.951	435.742	1) With TPCL (Excess)	-23.319	-577.126
2) TPCL Hydro	4.057	79.993	G) Bilateral Power *		
TOTAL TPCL	23.008	515.735	1) MSEDCL Bilateral	22.486	692.448
3) REL Thermal	11.742	287.047	Include PX	-4.298	78.324
D) STATE			2) MUMBAI Bilateral	22.465	516.483
1) Thermal (A1+C1+C3)	147.951	3430.609	Include PX	3.785	95.614
2) Hydro (A2+B6+C2)	9.717	260.056	3) MUMBAI Schedule	22.465	517.028
3) Gas (A3)	10.646	229.745	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.659	143.367	1) MSEDCL	331.433	7995.747
5) CPP/IPP (B1+B2+B3+B4)	111.381	2539.146	2) TPCL	35.134	832.785
6) SOLAR (B7)	1.091	23.326	3) REL	22.935	547.236
TOTAL STATE	285.445	6626.249	TOTAL STATE	389.502	9375.768

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5077	5248	4864
MSGENCO Hydro	344	418	72
MSGENCO Gas	426	420	457
MSGENCO Total Generation	5847	6086	5393
Central Sector Receipt	5494	5476	3108
WIND	234	88	178
CPP / IPP	4985	4961	4180
SOLAR	178	122	0
Exchange with Mumbai	-1122	-1100	-647
MSEDCL DEMAND MET	15619	15633	12212
Load Shedding	59	56	55
MSEDCL DEMAND	15678	15689	12267
TPCL GENERATION	1302	1262	650
R-INFRA GENERATION	522	521	456
TPCL+R-INFRA DEMAND	2946	2883	1753
STATE DEMAND MET	18565	18516	13965
STATE DEMAND	18624	18572	14020
Frequency (Hz)	49.93	49.96	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 21:49 Hrs	49.64 Hz at 06:36 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 24/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	3.18	72.69	155	110	120
Unit 7	3.24	86.06	155	115	150
Total	6.42	158.74			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.38	46.34	160	130	140
Unit 4	4.00	190.20	375	0	320
Unit 5	9.45	161.87	475	325	370
Total	16.84	398.42			830
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.37	86.12	152	135	140
Unit 6	4.47	109.85	225	174	180
Unit 7	4.54	110.13	225	173	180
Total	12.37	306.10			500
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.62	80.84	152	0	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.36	96.82	196	161	190
Unit 5	9.31	202.49	450	346	400
Unit 6	9.15	194.86	415	345	400
Unit 7	8.55	174.24	395	337	400
Total	34.00	791.74			1540
Paras					
Unit 3	4.79	111.29	241	182	180
Unit 4	4.68	109.19	226	182	180
Total	9.47	220.48			360
Khaparkheda					
Unit 1	3.74	89.66	195	105	180
Unit 2	3.46	87.16	165	115	180
Unit 3	4.38	95.79	210	150	185
Unit 4	4.39	95.29	201	160	185
Unit 5	9.82	195.48	500	370	420
Total	25.80	563.37			1150
Nasik					
Unit 3	4.16	97.58	190	165	190
Unit 4	4.09	88.14	178	160	190
Unit 5	4.12	83.23	186	161	190
Total	12.37	268.96			570
Uran					
All Units	10.65	229.74	462	420	460
Total	10.65	229.74			460
PENCH (MS)					
Pench (MS)	0.22	12.89	47	0	
Total	0.22	12.89			
Koyna					
Stage 1-2	1.98	50.36	265	40	600
Stage 4	0.74	17.18	200	0	250
Stage 3	0.37	15.16	80	0	240
Kovna 12&4 Total	2.72	67.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.08	82.69			1090
Hydro					
KDPH	0.00	4.60	0	0	
VTRNA	1.09	22.42	61	0	61
TILLARI	0.36	8.60	62	0	64
BHTGR/VEER	0.06	1.86	3	2	4
BHIRA T.R.	0.08	4.50	40	0	40
RNGR+BHTSA	0.00	3.76	0	0	
BHANDARDRA	0.00	0.80	0	0	
ELDARY	0.00	6.62	0	0	
SMLHY PTN	0.76	15.08	39	29	24
GHATGHAR	0.00	16.24	0	0	
Total	2.36	84.48			193
Wind					
MalharPeth	0.09	4.59			
Vankuswadi	0.22	9.36			
ATIT	0.02	0.97			
Kale	0.09	3.69			
Satara	2.66	75.72			
Shirala	0.14	5.75			
K Mahankal	0.01	0.35			
Supa	0.04	1.49			
Vita		16.79			
Dondaicha	0.53	11.08			
Sakri	0.05	1.53			
Nandurbar	0.24	4.82			
Khandke	0.32	3.46			
Khaparale	0.26	3.76			
Total	4.66	143.37			
CPP					
JSW JAIGAD	26.55	602.90	1197	979	1088
WARDHA	2.75	62.57	117	110	115
Adani	60.25	1396.12	2620	2130	2645
Other CPPs	21.84	474.02			745
Total	111.38	2535.62			4593
SOLAR					
Total	1.09	23.33			
Total	1.09	23.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.82	235.79	497	315	500
Trombay 6	0.00	78.16	0	0	0
Trombay 7A	2.23	60.34	115	80	120
Trombay 7B	1.44	36.30	68	55	60
Trombay 8	5.46	25.14	254	198	250
TATA Hydro	4.06	79.99	412	0	447
Total	23.01	515.74			1377
REL					
1&2	11.74	287.05	522	452	500
Total	11.74	287.05			500
Cent Sect					
Share					5117
Total					5117
MS PG CL	Thermal	117.26	2707.82		5220
	Thml+Gas	127.90	2937.56		5680
	Hydro	5.44	167.17		1283
	Total	133.35	3104.74		6963
State Total		285.44	6626.25		18550

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4912	132	456	5500	151	4045	0	3258	3357	-695	-916	12170	82	12252	2020	14272	50.00
2	4881	72	456	5409	166	4067	0	2999	3294	-688	-752	12211	55	12266	1856	14122	50.00
3	4864	72	457	5393	178	4180	0	2999	3108	-688	-647	12212	55	12267	1753	14020	49.98
4	4827	77	457	5361	189	4244	0	3035	3134	-688	-584	12344	55	12399	1689	14088	49.96
5	4784	77	458	5319	242	4260	0	3047	3062	-688	-567	12316	58	12374	1671	14045	49.96
6	4838	72	458	5368	307	4415	0	3909	3882	-694	-657	13315	68	13383	1763	15146	49.95
7	4945	167	462	5574	357	4496	0	4504	4238	-726	-750	13922	84	14006	1903	15909	49.84
8	5090	298	460	5848	345	4666	16	4714	4602	-713	-689	14815	84	14899	2028	16927	49.87
9	5105	153	452	5710	261	4769	66	4621	4699	-743	-823	14715	77	14792	2283	17075	49.91
10	5128	225	440	5793	249	4895	103	4788	4812	-978	-959	14933	67	15000	2641	17641	49.91
11	5099	255	428	5782	241	4897	141	5058	5162	-1185	-1128	15142	58	15200	2887	18087	49.92
12	5077	344	426	5847	234	4985	178	5110	5494	-1244	-1122	15619	59	15678	2946	18624	49.93
13	5254	438	422	6114	177	4834	173	5089	5074	-1226	-1126	15246	114	15360	2934	18294	49.93
14	5292	413	420	6125	122	4889	150	5038	5139	-1172	-1132	15293	60	15353	2848	18201	50.04
15	5248	418	420	6086	88	4961	122	5066	5476	-1193	-1100	15633	56	15689	2883	18572	49.96
16	4904	573	442	5919	85	4818	93	5069	5345	-1191	-1058	15202	56	15258	2893	18151	49.90
17	4804	457	428	5689	81	4921	41	4998	5056	-1156	-1096	14692	59	14751	2871	17622	49.92
18	4795	178	434	5407	169	4703	8	4499	4477	-1034	-1196	13568	64	13632	2819	16451	49.79
19	4680	207	435	5322	152	4819	0	4854	4937	-1057	-1149	14081	64	14145	2871	17016	49.89
20	4667	202	441	5310	198	4905	0	4828	4656	-977	-1218	13851	67	13918	2800	16718	49.99
21	4660	202	446	5308	160	4726	0	4578	4130	-1041	-1260	13064	63	13127	2669	15796	50.01
22	4495	142	447	5084	135	4677	0	3918	3930	-1010	-1236	12590	61	12651	2437	15088	50.09
23	4454	137	450	5041	167	4619	0	3459	3728	-865	-1138	12417	61	12478	2378	14856	49.94
24	4455	132	451	5038	205	4590	0	3371	3265	-813	-1016	12082	61	12143	2226	14369	50.01
MUs	117.26	5.44	10.65	133.35	4.66	111.38	1.09	102.81	104.06	-22.46	-23.32	331.43	1.59	333.02	58.07	391.09	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 24/Nov/2014

Position as on 6.30 Hrs of 25/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.	
CPP WPCL U-3	135	15/11/2014	00.01		Continued.	ID fan vibration high problem	
Uran Unit 7	108	17/11/2014	17.16		Continued.	Gas 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		Continued.	ID Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2014

Position as on 6.30 Hrs of 25/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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-II	23/11/2014	16.39	24/11/2014	08.24	Over Voltage.
Dhule-Sar'Sarovar - I	23/11/2014	20.03	24/11/2014	08.58	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	23/11/2014	22.10	24/11/2014	07.10	Over Voltage.
Kolhapur - Mapusa - I	24/11/2014	17.04		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	24/11/2014	18.01		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	25/11/2014	01.31		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talegaon Ambi - Talegaon(PG)	24/11/2014	01.52	24/11/2014	03.11	Y Ph. CT Burst, Tripped from Ambi end only.
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.
Chandrapur II - Dhariwal - I	18/11/2014	15.49		Continued.	To check C.T. & P.T.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 600 MVA ICT - IV @ Padgha	22/11/2014	22.38	24/11/2014	06.58	Oil Filtretion Work.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Talegaon PG - Aurangabad - II	24/11/2014	05.27	24/11/2014	08.46	To Attend Hot Spot.
Padgha - Babaleswar - II	24/11/2014	10.02	24/11/2014	12.50	PID of insulators of line.
400/220 KV Spare ICT @ Jejuri	24/11/2014	10.30		Continued.	Testing and Commissioning 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.
Tillawni-Talangade-I	24/11/2014	09.00	24/11/2014	20.06	Repl of R & Y Ph CT.
Khaparkheda-Kawlewada-II	24/11/2014	09.17	24/11/2014	16.40	To attend hot spot.
Chikhali - Jalna - II	24/11/2014	09.45	24/11/2014	18.30	Balance Rectification Work.
Ambazari - Abhijeet	24/11/2014	09.46	24/11/2014	12.05	Attending hot spot.
Nivali-Pawas	24/11/2014	10.20	24/11/2014	17.42	Tree cutting work.
Badnera - Deoli (PGCIL)	24/11/2014	10.55	24/11/2014	17.43	Testing and tan delta measurement.
Apta-Uran-IV	24/11/2014	11.48	24/11/2014	16.48	PT Syn.Trail at Uran.
TBC @ Butibori	24/11/2014	12.30	24/11/2014	14.00	Measurement of tan delta of CT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2014

Position as on 6.30 Hrs of 25/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Khaparkheda-Kawlewada-I	24/11/2014	16.53	24/11/2014	18.28	To attend hot spot.
Temghar-Colourchem	25/11/2014	06.25		Continued.	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	22/11/2014	20.08	24/11/2014	09.23	Over Voltage.
Karad - Kolhapur - II	23/11/2014	16.03	24/11/2014	09.27	Over Voltage.
Lonikand- Koyna Stage IV	23/11/2014	21.55	24/11/2014	07.03	Over Voltage.
Karad - Kolhapur - I	24/11/2014	16.42		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/11/2014	17.12		Continued.	Over Voltage.
Karad-Jaigad I	24/11/2014	21.06		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	24/11/2014	22.00	25/11/2014	06.25	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,500 MVA ICT-I at Lamboti.	24/11/2014	08.43	24/11/2014	13.04	Diff.Prot.
C'pur I-C'pur II	24/11/2014	12.14	24/11/2014	18.20	Dignostic testing bird fault.
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
Talegaon (Ambi) - General Motor	24/11/2014	01.52	24/11/2014	02.51	Y Ph. CT Burst.
Urse-Talegaon AMBI I	24/11/2014	01.52	24/11/2014	03.12	Y Ph. CT Burst.
220/22 KV 50 MVA ICT- I @ Talegaon(Ambi)	24/11/2014	01.52		Continued.	Y Ph C T Burst.
Bus Coupler @ Talegaon (Ambi)	24/11/2014	01.52	24/11/2014	02.50	Y Ph. CT Burst.
Kharepatan-Pawas	24/11/2014	05.21	24/11/2014	05.46	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	130
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	137
Unit 4	500	0
Unit 5	500	380
	1420	517
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	140
Unit 6	250	178
Unit 7	250	180
	1130	498
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1390
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	450
	852	450
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	24
GHATGHAR	250	0
	611	193
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	4954
	3455	4954