



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.231	1662.972	1) Gujrat	-2.627	91.771
2) Hydro	5.188	116.563	2) Madhya Pradesh	13.172	236.952
3) Gas	8.928	143.239	3) Chattisgarh	7.730	137.270
Total MSGENCO	129.347	1922.774	4) Maharashtra Net	77.589	1443.239
B) 1) JSW JAIGAD	25.106	371.533	(Incl. 765kV Solapur-Raichur)	-11.806	-156.541
2) WPCL	2.627	38.834	5) Goa	-6.630	-104.288
3) ADANI	55.770	862.180	6) TAPS 1&2 Injection	3.692	52.277
4) Other CPP / IPP	17.806	287.078	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.830	110.979	8) Pench (Excess)	-0.339	-9.410
6) PENCH (MS)	0.339	9.410	# Total Cent. Sector	92.587	1847.811
7) SOLAR	0.688	14.389	F) Other Exchanges		
C) 1) TPCL Thermal	17.446	273.526	1) With TPCL (Excess)	-24.569	-353.190
2) TPCL Hydro	2.807	54.551	G) Bilateral Power *		
TOTAL TPCL	20.253	328.077	1) MSEDCL Bilateral	23.219	485.579
3) REL Thermal	11.783	181.691	Include PX	-2.447	102.586
D) STATE			2) MUMBAI Bilateral	20.625	327.931
1) Thermal (A1+C1+C3)	144.460	2118.189	Include PX	6.102	59.697
2) Hydro (A2+B6+C2)	8.334	180.524	3) MUMBAI Schedule	20.625	328.476
3) Gas (A3)	8.928	143.239	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.830	110.979	1) MSEDCL	305.531	5111.798
5) CPP/IPP (B1+B2+B3+B4)	101.309	1559.625	2) TPCL	33.919	522.791
6) SOLAR (B7)	0.688	14.389	3) REL	22.684	340.281
TOTAL STATE	269.549	4126.945	TOTAL STATE	362.134	5974.870

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4889	4801	4729
MSGENCO Hydro	311	255	101
MSGENCO Gas	309	455	304
MSGENCO Total Generation	5509	5511	5134
Central Sector Receipt	4602	5019	2697
WIND	208	226	407
CPP / IPP	4534	4252	4038
SOLAR	93	0	0
Exchange with Mumbai	-1241	-1076	-1002
MSEDCL DEMAND MET	13717	13945	11274
Load Shedding	65	73	57
MSEDCL DEMAND	13782	14018	11331
TPCL GENERATION	1072	1090	601
R-INFRA GENERATION	515	515	449
TPCL+R-INFRA DEMAND	2828	2681	2052
STATE DEMAND MET	16545	16626	13326
STATE DEMAND	16610	16699	13383
Frequency (Hz)	50.03	50.02	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 21.46 Hrs	49.69 Hz at 17.41 Hrs	50.02	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 15/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	3.47	51.39	154	137	145
Unit 7	3.52	54.26	170	125	150
Total	6.99	105.65			295
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.42	16.11	165	130	140
Unit 4	7.72	120.98	355	300	300
Unit 5	7.78	87.15	375	300	350
Total	18.92	224.25			790
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.55	54.39	158	140	150
Unit 6	4.58	67.58	194	186	185
Unit 7	4.58	67.75	222	184	180
Total	12.70	189.73			515
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.43	50.66	150	138	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.01	59.47	171	162	170
Unit 5	8.63	120.26	370	345	370
Unit 6	8.51	115.94	365	339	370
Unit 7	8.13	112.84	368	250	370
Total	32.72	501.66			1430
Paras					
Unit 3	4.40	69.64	197	172	163
Unit 4	4.36	68.06	191	167	163
Total	8.75	137.70			326
Khaparkheda					
Unit 1	3.48	57.92	160	140	180
Unit 2	3.46	55.92	165	130	180
Unit 3	3.59	61.09	164	144	170
Unit 4	3.56	60.89	158	142	180
Unit 5	9.10	109.11	393	363	420
Total	23.20	344.94			1130
Nasik					
Unit 3	3.98	60.42	190	155	190
Unit 4	3.96	51.82	194	153	190
Unit 5	4.02	46.80	184	160	190
Total	11.96	159.04			570
Uran					
All Units	8.93	143.24	463	301	305
Total	8.93	143.24			305
PENCH (MS)					
Pench (MS)	0.34	9.41	50	0	
Total	0.34	9.41			
Koyna					
Stage 1-2	1.38	33.06	300	40	530
Stage 4	0.00	15.23	0	0	250
Stage 3	0.21	10.72	80	0	240
Kovna 12&4 Total	1.38	48.29			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.60	59.00			1020
Hydro					
KDPH	0.00	4.60	0	0	18
VTRNA	1.14	13.60	61	0	60
TILLARI	0.38	5.30	64	0	64
BHTGR/VEER	0.08	1.25	4	3	2
BHIRA T.R.	0.25	3.32	40	0	40
RNGR+BHTSA	0.39	3.03	17	16	17
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.34	4.37	15	13	15
SMLHY PTN	0.70	8.68	37	26	10
GHATGHAR	0.30	12.61	125	0	0
Total	3.59	57.56			226
Wind					
MalharPeth	0.18	3.67			
Vankuswadi	0.36	7.17			
ATIT	0.03	0.78			
Kale	0.20	3.02			
Satara	3.22	58.27			
Shirala	0.24	4.36			
K Mahankal	0.01	0.29			
Supa	0.10	1.07			
Vita	0.56	13.46			
Dondaicha	0.35	8.65			
Sakri	0.06	1.31			
Nandurbar	0.03	3.61			
Khandke	0.22	2.43			
Khaparale	0.28	2.88			
Total	5.83	110.98			
CPP					
JSW JAIGAD	25.11	371.53	1156	987	1144
WARDHA	2.63	38.83	122	100	110
Adani	55.77	862.18	2630	2120	2645
Other CPPs	17.81	287.08			745
Total	101.31	1559.62			4644
SOLAR					
Total	0.69	14.39			
Total	0.69	14.39			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.84	151.24	494	315	500
Trombay 6	3.72	56.33	156	154	500
Trombay 7A	2.42	41.97	115	74	120
Trombay 7B	1.46	23.98	66	52	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.81	54.55	268	0	447
Total	20.25	328.08			1627
REL					
1&2	11.78	181.69	517	449	500
Total	11.78	181.69			500
Cent Sect					
Share					4823
Total					4823
MS PG CL	Thermal	115.23	1662.97		5056
	Thml+Gas	124.16	1806.21		5361
	Hydro	5.19	116.56		1246
	Total	129.35	1922.77		6607
State Total		269.55	4126.94		18201

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4732	134	309	5175	432	3956	0	3367	3296	-926	-1170	11702	90	11792	2234	14026	50.02
2	4729	101	304	5134	407	4038	0	3222	2697	-769	-1002	11274	57	11331	2052	13383	50.04
3	4759	102	302	5163	365	4024	0	3459	2816	-721	-877	11491	57	11548	1928	13476	50.02
4	4745	112	304	5161	338	3983	0	3209	2937	-715	-794	11625	57	11682	1843	13525	50.02
5	4743	117	303	5163	307	3978	0	3213	2939	-715	-761	11626	57	11683	1810	13493	50.01
6	4751	116	303	5170	287	3981	0	3655	3408	-727	-812	12034	64	12098	1866	13964	50.00
7	4771	182	304	5257	281	3970	1	4035	4009	-655	-820	12708	79	12787	1925	14712	49.94
8	4832	423	304	5559	229	4081	17	3505	3391	-549	-888	12410	79	12489	2003	14492	49.97
9	4857	400	302	5559	233	4182	50	3631	3484	-560	-1093	12464	76	12540	2248	14788	49.99
10	4774	448	306	5528	253	4477	99	3927	3466	-704	-1210	12663	71	12734	2583	15317	49.99
11	4771	322	308	5401	275	4463	111	4301	4071	-946	-1275	13096	63	13159	2771	15930	50.00
12	4889	311	309	5509	208	4534	93	4125	4590	-1014	-1241	13705	65	13770	2828	16598	50.03
13	4951	268	301	5520	167	4481	76	4577	4490	-1002	-1264	13496	133	13629	2779	16408	50.02
14	4959	177	439	5575	164	4510	92	4573	4652	-965	-1070	13945	76	14021	2629	16650	50.10
15	4940	166	388	5494	68	4474	73	4353	4489	-986	-1009	13596	72	13668	2596	16264	50.03
16	4857	161	460	5478	30	4462	56	4353	4462	-977	-986	13502	67	13569	2584	16153	50.00
17	4808	160	460	5428	47	4514	19	4314	4225	-921	-984	13249	70	13319	2564	15883	50.04
18	4765	205	460	5430	227	4129	1	4286	4880	-874	-986	13681	71	13752	2570	16322	49.89
19	4801	255	455	5511	226	4252	0	4555	5006	-943	-1076	13932	73	14005	2681	16686	50.02
20	4798	276	460	5534	203	4278	0	4446	4900	-934	-1147	13782	74	13856	2660	16516	50.04
21	4789	260	462	5511	267	4280	0	4225	4105	-904	-1102	13073	69	13142	2548	15690	50.03
22	4779	171	463	5413	229	4235	0	3877	3603	-964	-1040	12463	65	12528	2394	14922	50.16
23	4755	161	460	5376	298	4064	0	3752	3440	-1096	-990	12205	64	12269	2282	14551	50.03
24	4676	160	462	5298	289	3963	0	3306	3231	-1059	-972	11809	64	11873	2227	14100	50.12
MUs	115.2 3	5.19	8.93	129.35	5.83	101.3 1	0.69	94.27	92.59	-20.63	-24.57	305.53	1.71	307.24	56.61	363.85	50.02

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 15/Nov/2014

Position as on 6.30 Hrs of 16/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	
Tata Trombay 8	250	09/01/2014	22.54	16/11/2014	19.59	Emergency H/T,Fire at turbine track.	
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	
Uran Unit 5	108	12/11/2014	14.19		Continued.	Gas shortage.	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Uran Unit 8	108	13/11/2014	04.19	16/11/2014	12.35	Gas Shortage.	
CPP WPCL U-3	135	15/11/2014	00.01		Continued.	ID fan vibration high problem	
Tata Trombay 8	250	16/11/2014	22.06		Continued.	Turbine Vibration High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2014

Position as on 6.30 Hrs of 16/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765 KV Wardha PG - Seoni - I.	15/11/2014	12.18		Continued.	maintance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	10/11/2014	13.30	16/11/2014	20.00	New Towers Erection Work(5 Days).
Tarapur - Boiser	10/11/2014	13.54	16/11/2014	15.28	New Towers Erection Work(5 Days).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	14/11/2014	15.15	15/11/2014	09.03	Over Voltage
Kolhapur-Mapusa-II	15/11/2014	15.55	16/11/2014	08.50	over voltage
Dhule-Sar'Sarovar - I	15/11/2014	17.01		Continued.	over voltage
Kolhapur - Mapusa - I	16/11/2014	15.50		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/11/2014	18.01	15/11/2014	09.25	DT Received at Dhule
Dhule-Sar'Sarovar - II	15/11/2014	17.01	15/11/2014	17.10	over voltage
Kolhapur-Solapur (PG) II	16/11/2014	00.00		Continued.	over voltage
Dabhol-Nagothane - II	16/11/2014	00.00		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	16/11/2014	11.10	16/11/2014	11.45	Only From Amona End.
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).
400/220KV,315 MVA ICT-I at Kolhapur.	15/11/2014	15.18	15/11/2014	18.35	Hot spot
Deepnagar-A'bad	15/11/2014	16.05	15/11/2014	17.39	Tan delta measurement and misc.work
Chandrapur II-Dhariwal Ckt II	15/11/2014	16.07	15/11/2014	18.30	cheking of metering
Kalwa - Padgha - I	16/11/2014	10.00	16/11/2014	19.55	Line Maint Work.
Akola - Aurangabad - II Tie Bay	16/11/2014	15.38	16/11/2014	17.21	Attending Tc Faulty Condition.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Kalwa	05/11/2014	06.57	16/11/2014	23.27	Construction Work.(6 days.)
Kalwa - Taloja	05/11/2014	07.00	16/11/2014	23.24	Construction Work.(6 days.)
Apta-Bombay Dyeing	12/11/2014	09.52		Continued.	Bus Isolator Repl.work.(2Days).
Pedambe-Newkoyna	14/11/2014	10.31	15/11/2014	20.25	Hot Spot
Raymond - TKS	14/11/2014	11.49	15/11/2014	20.43	Dismantling of 220KV Teks feeder of metering CT and PT
Apata - Taloja 2	15/11/2014	15.32	15/11/2014	18.58	bunching work
Kalwa - Salshet - IV	16/11/2014	08.49	16/11/2014	12.41	Tan Delta Measurment.
Apata - Taloja 2	16/11/2014	19.20	16/11/2014	23.27	For Removal Of Bunching.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	14/11/2014	15.41	15/11/2014	09.42	Over Voltage
Bhusawal- Aurangabad	14/11/2014	18.04		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2014

Position as on 6.30 Hrs of 16/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	14/11/2014	20.02	15/11/2014	09.44	Over Voltage
Lonikand- Koyna Stage IV	14/11/2014	23.02	15/11/2014	08.41	over voltage
Karad - Kolhapur - II	15/11/2014	17.05	16/11/2014	09.46	over voltage
Karad-Jaigad I	15/11/2014	20.21		Continued.	over voltage
Lonikand- Koyna Stage IV	15/11/2014	21.57	16/11/2014	10.02	over voltage
Padgha - Nagothane - I	16/11/2014	00.03		Continued.	over voltage
Warora-Tiroda-I	16/11/2014	14.04	16/11/2014	15.12	A/R Auto o Non Auto Mode at Tirora End.
Warora- Tirora -II	16/11/2014	15.18		Continued.	A/R Auto o Non Auto Mode at Tirora End.
Karad - Kolhapur - II	16/11/2014	15.43		Continued.	Over Voltage.
Karad - Kolhapur - II	16/11/2014	17.05	16/11/2014	09.46	Over Voltage.
Lonikand- Koyna Stage IV	16/11/2014	21.56		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Jejuri - Phursungi - II	15/11/2014	07.23	15/11/2014	10.34	Line maintance work of phursungi-jejuri -1
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Jejuri-Phursungi - I	15/11/2014	04.12	15/11/2014	10.17	Distance protection
Halkarni -Tillary	16/11/2014	11.10	16/11/2014	11.26	Back Up Earth Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	300
Unit 5	500	300
	1420	740
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	152
Unit 6	250	188
Unit 7	250	188
	1130	528
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	160
Unit 5	500	370
Unit 6	500	370
Unit 7	500	250
	2340	1290
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	180
Unit 5	500	420
	1340	1130
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	455
	852	455
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	210
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	1046
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4546
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	4298
	3455	4298