

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Sep/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	92.943	2083.278	1) Gujrat	9.261	54.750
2) Hydro	4.795	167.773	2) Madhya Pradesh	1.849	160.600
3) Gas	10.444	141.146	3) Chattisgarh	3.840	81.670
Total MSPGCL	108.182	2392.197	4) Maharashtra Net	65.605	1837.174
B) 1) APML	44.010	926.010	5) Goa	-5.601	-140.003
2) JSWEL	25.671	550.580	6) TAPS 1&2 Injection	3.818	75.126
3) VIPL	9.167	214.939	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	17.630	374.534	8) Pench (MS)	0.609	13.082
5) WPCL	3.951	78.561	9) Pench (Excess)	-0.609	-13.082
6) Other IPP	2.656	42.647	Total	78.163	2056.235
C) 1) TPCL Thermal	13.487	321.031	a) Mumbai Schedule	14.928	429.361
2) TPCL Hydro	0.136	35.149	b) Mumbai Drawl	21.689	516.059
3) TPCL Gas	4.318	70.254	c) MSEDCL Bilateral *	1.610	490.790
4) R-INFRA Thermal	9.463	229.611	Include PX	-24.883	-56.535
D) STATE			d) Mumbai Bilateral *	14.928	428.326
1) Thermal	218.978	4821.191	Include PX	-0.009	19.059
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	4.931	202.922	H) ENERGY CATERED (MUs)		
3) Gas	14.762	211.400	1) MSEDCL	291.874	6410.094
4) Wind	23.301	271.287	2) Mumbai Discoms	49.093	1172.097
6) SOLAR	0.832	19.163	TOTAL STATE	340.967	7582.191
TOTAL STATE	262.804	5525.963			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3878	3901	3914	3664
MSPGCL Hydro	277	193	557	109
MSPGCL Gas	436	435	434	440
MSPGCL Total Generation	4591	4529	4905	4213
Central Sector Receipt	3703	3454	3966	2864
WIND	1076	1070	1005	933
CPP / IPP	4418	4037	4487	4130
SOLAR	87	88	0	0
Exchange with Mumbai	-890	-990	-1090	-680
MSEDCL DEMAND MET	12985	12188	13273	11460
Load Shedding	18	20	20	18
MSEDCL DEMAND	13003	12208	13293	11478
TPCL GENERATION	726	701	840	700
R-INFRA GENERATION	394	392	394	394
MUMBAI DEMAND	2010	2083	2324	1774
STATE DEMAND MET	14995	14271	15597	13234
STATE DEMAND	15013	14291	15617	13252
Frequency (Hz)	50.01	50.10	50.00	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 16:09 Hrs	49.77 Hz at 02:13 Hrs	50	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 20/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.18	67.36	142	120
Unit 6	0.00	0.00	0	0
Unit 7	0.00	61.46	0	0
Total	3.18	128.82		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.99	81.10	170	160
Unit 4	9.60	207.02	410	375
Unit 5	0.78	146.58	400	0
Total	14.37	434.70		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.22	61.99	148	121
Unit 3	4.12	74.97	182	163
Unit 4	0.00	0.00	0	0
Unit 5	7.71	177.43	340	293
Unit 6	7.64	171.38	350	285
Unit 7	7.99	164.27	357	290
Total	30.68	650.05		
Paras				
Unit 3	5.09	98.43	226	203
Unit 4	4.92	102.18	217	175
Total	10.01	200.62		
Khaparkheda				
Unit 1	2.82	50.18	140	75
Unit 2	3.50	68.79	170	125
Unit 3	3.46	71.51	160	129
Unit 4	3.12	71.31	149	103
Unit 5	9.19	161.54	420	353
Total	22.08	423.33		
Nasik				
Unit 3	4.07	87.32	180	160
Unit 4	4.14	73.33	186	158
Unit 5	4.40	85.11	189	181
Total	12.62	245.76		
Uran				
All Units	10.44	141.15	443	426
Total	10.44	141.15		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.61	13.08	53	0
Total	0.61	13.08		
Koyna				
Stage 1-2	2.12	60.02	355	40
Stage 4	0.00	38.52	0	0
Stage 3	0.80	25.46	160	0
Total	2.92	124.00		
Hydro				
KDPH	0.00	7.93	0	0
VTRNA	0.00	0.14	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.18	3.58	80	0
RNGR+BHTSA	0.03	1.41	2	1
BHANDARDRA	0.07	6.41	4	3
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.40	5.02	23	14
GHATGHAR	1.19	19.19	217	0
Total	1.88	43.78		
Wind				
Total	23.30	271.29	0	0
Total	23.30	271.29		
CPP				
APML(Mus)	44.01	926.01	0	0
JSWEL(Mus)	25.67	550.58	0	0
VIPL(Mus)	9.17	214.94	0	0
RPLAMT(Mus)	17.63	374.53	0	0
WPCL(Mus)	3.95	78.56	0	0
Other(Mus)	2.66	42.65	0	0
Total	103.08	2187.27		
SOLAR				
Total	0.83	19.16	0	0
Total	0.83	19.16		
Tata				
Trombay 5	8.41	208.07	480	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.73	49.48	115	107
Trombay 7B	1.58	20.78	67	64
Trombay 8	5.07	112.96	248	201
TATA Hydro	0.14	35.15	41	0
Total	17.94	426.43		
R-INFRA				
1-2	9.46	229.61	398	392
Total	9.46	229.61		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	92.94	2083.28
MSPGCL Thml+Gas	103.39	2224.42

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	4.80	167.77
MSPGCL Total	108.18	2392.20

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.12	98.54
State Total	262.80	5525.96

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Sep/2015

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4093	70	440	4603	991	4305	0	2689	2533	-863	11569	30	11599	2158	13757	49.94
2	4016	70	440	4526	931	4220	0	2857	2824	-844	11657	18	11675	1985	13660	49.95
3	3657	274	440	4371	1016	4121	0	2694	2853	-757	11604	18	11622	1848	13470	49.93
4	3664	109	440	4213	933	4130	0	2765	2864	-680	11460	18	11478	1774	13252	49.99
5	3738	69	436	4243	867	4127	0	2784	2968	-654	11551	18	11569	1748	13317	49.96
6	3772	99	436	4307	766	4287	0	3147	3438	-700	12098	18	12116	1790	13906	49.96
7	3735	374	436	4545	826	4412	1	3283	3456	-704	12536	18	12554	1796	14350	50.00
8	3785	92	436	4313	795	4499	19	3449	3815	-692	12749	18	12767	1831	14598	49.99
9	3855	219	436	4510	973	4510	46	3477	3649	-674	13014	18	13032	1918	14950	50.02
10	3878	277	436	4591	1076	4418	87	3258	3703	-890	12985	18	13003	2010	15013	50.01
11	3851	262	428	4541	1096	4354	110	3137	3219	-1039	12281	18	12299	2140	14439	49.99
12	3926	191	426	4543	1133	4241	115	3325	3368	-1071	12329	18	12347	2186	14533	50.00
13	3887	75	432	4394	1141	4096	116	3057	3364	-1098	12013	18	12031	2201	14232	50.00
14	3882	143	433	4458	1115	4084	109	3077	3217	-1026	11957	20	11977	2121	14098	50.04
15	3901	193	435	4529	1070	4037	88	3011	3454	-990	12188	20	12208	2083	14291	50.10
16	3963	148	437	4548	978	4088	75	3136	3206	-920	11975	20	11995	2012	14007	50.05
17	3933	138	443	4514	943	4013	49	2916	3081	-897	11703	20	11723	1987	13710	50.09
18	3905	138	434	4477	831	4094	17	3023	2862	-932	11349	20	11369	2026	13395	50.00
19	3915	147	435	4497	919	4216	0	3728	3962	-1047	12547	20	12567	2158	14725	49.95
20	3914	557	434	4905	1005	4487	0	3674	3966	-1090	13273	20	13293	2324	15617	50.00
21	3916	464	435	4815	1023	4489	0	3603	3264	-1034	12557	20	12577	2345	14922	50.04
22	3952	236	433	4621	990	4519	0	3347	3241	-986	12385	20	12405	2290	14695	50.01
23	3917	293	431	4641	927	4525	0	2957	2988	-1031	12050	20	12070	2199	14269	49.97
24	3888	157	432	4477	956	4813	0	2967	2868	-1070	12044	20	12064	2163	14227	50.03
MUs	92.94	4.80	10.44	108.18	23.30	103.08	0.83	75.36	78.16	-21.69	291.87	0.47	292.34	49.09	341.43	50.00

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 20/Sep/2015

Position as on 6.30 Hrs of 21/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna STG-IV Unit-2	250	20/08/2015	09.00		Continued.	Realigning of T-G Rotor & Adjusting the Bearing Clearances.(40 Days)	
MSPGCL	Chandrapur Unit 4	210	29/08/2015	23.55		Continued.	Annual Overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generater bearing	
MSPGCL	Koradi Unit-8	660	18/09/2015	18.08		Continued.	ESP Problem	
MSPGCL	Chandrapur Unit-8	500	19/09/2015	18.01		Continued.	ESP Problem	
MSPGCL	Koradi Unit 7	210	19/09/2015	22.00		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 5	500	20/09/2015	02.12		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 21/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dhule Khandwa II	InterState	16/09/2015	19.45	21/09/2015	07.11	T	Distance Protection(RFC 14.50Hrs 17-9-15)
Kolhapur Mapusa I	InterState	19/09/2015	16.38	21/09/2015	07.09	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	20/09/2015	02.19	20/09/2015	07.23	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	20/09/2015	16.09		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	10/09/2015	16.40		Continued.	HT	For Controlling Padgha-BBLR D/C Loading.
Karad - Jaigad - II	IntraState	16/09/2015	16.33		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	16/09/2015	23.50	20/09/2015	10.18	HT	Over Voltage
karad -kolhapur-II	IntraState	17/09/2015	04.02	20/09/2015	10.04	T	Over Voltage
Padghe - Nagothane - I	IntraState	17/09/2015	16.12	20/09/2015	09.41	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	17/09/2015	16.17	20/09/2015	10.28	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/09/2015	21.35		Continued.	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	20/09/2015	02.20	20/09/2015	08.53	T	Over Voltage
karad -kolhapur-II	IntraState	20/09/2015	13.28		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/09/2015	17.19		Continued.	HT	Over Voltage
Padghe - Nagothane - I	IntraState	21/09/2015	00.34		Continued.	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	21/09/2015	02.48		Continued.	T	Over Voltage
220 KV LINE Outages/Trippings							
Talegaon(PG)-Talegaon(Ambi)-II	InterState	20/09/2015	10.12	20/09/2015	11.12	T	Bus Bar Prot.operated at Talegaon(ambi)
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Tripped on B ph Diff Prot. cable damage near reliance sub station.
Padghe - Vasai	IntraState	15/08/2015	08:35		Continued.	PO	Removal of jumper & bunching work at Loc No. 51/1 & 35 (charged up to Loc No. 51/1 from Padghe end only)
Kalwa - Borivali	IntraState	16/08/2015	08.00		Continued.	PO	Erection of Loc.No.12 and shifting of conductor on NER M/C Tower
Kalwa - Mulund 1	IntraState	22/08/2015	07.35		Continued.	PO	Mumbai Strengthening work
Boisar Versova Line	IntraState	20/09/2015	08.34	20/09/2015	13.36	PO	Repairing of Damaged Conductor
Talegaon (Ambi)-General Motors	IntraState	20/09/2015	10.12	20/09/2015	10.50	T	Bus Bar Prot.operated at Talegaon(ambi)
Urse - Talegaon (Ambi) Ckt 2	IntraState	20/09/2015	10.12	20/09/2015	11.38	T	Bus Bar Prot.operated at Talegaon(ambi)
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22KV 100MVA T/F 4 @Mulund	IntraState	09/09/2015	12.20		Continued.	PO	Replacement of Control and Relay Panel
220/33 Kv 100 Mva Alstom Ptr 1 @Valve	IntraState	15/09/2015	16.34		Continued.	T	On Snake Fault,33kv Breaker R.Y.B Ph Pole Burst.
220/22kv 50mva Ptr 2 @Talegaon	IntraState	20/09/2015	10.12	20/09/2015	18.49	T	Y Phase CT Burst
220/100 kv 200 MVA ICT II @Padghe	IntraState	20/09/2015	20.25	20/09/2015	22.45	T	OLTC Bucholz Indication
132 KV LINE Outages/Trippings							
Telgaon - Majalgaon	IntraState	20/09/2015	02.14	20/09/2015	02.34	T	Distance Protection

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage