

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Sep/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	101.620	1990.335	1) Gujrat	3.823	45.489
2) Hydro	6.968	162.978	2) Madhya Pradesh	-1.488	158.751
3) Gas	9.970	130.702	3) Chattisgarh	2.790	77.830
Total MSPGCL	118.558	2284.015	4) Maharashtra Net	58.382	1771.569
B) 1) APLM	32.120	882.000	5) Goa	-5.721	-134.402
2) JSWEL	26.211	524.909	6) TAPS 1&2 Injection	3.839	71.308
3) VIPL	9.202	205.772	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	18.240	356.904	8) Pench (MS)	0.907	12.473
5) WPCL	3.895	74.610	9) Pench (Excess)	-0.907	-12.473
6) Other IPP	2.424	39.991	Total	60.718	1978.072
C) 1) TPCL Thermal	15.552	307.544	a) Mumbai Schedule	19.007	414.434
2) TPCL Hydro	1.038	35.013	b) Mumbai Drawl	26.573	494.370
3) TPCL Gas	4.208	65.936	c) MSEDCL Bilateral *	2.869	489.180
4) R-INFRA Thermal	10.911	220.148	Include PX	-23.852	-31.652
D) STATE			d) Mumbai Bilateral *	19.007	413.399
1) Thermal	220.175	4602.213	Include PX	0.913	19.068
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	8.006	197.991	H) ENERGY CATERED (MUs)		
3) Gas	14.178	196.638	1) MSEDCL	281.176	6118.220
4) Wind	35.482	247.986	2) Mumbai Discoms	58.282	1123.004
6) SOLAR	0.899	18.331	TOTAL STATE	339.458	7241.224
TOTAL STATE	278.740	5263.159			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4181	4267	4308	4185
MSPGCL Hydro	226	174	728	45
MSPGCL Gas	415	416	409	406
MSPGCL Total Generation	4822	4857	5445	4636
Central Sector Receipt	2602	2748	4186	1009
WIND	1932	1391	907	1923
CPP / IPP	3722	3798	3922	3694
SOLAR	111	104	0	0
Exchange with Mumbai	-1410	-1301	-1209	-780
MSEDCL DEMAND MET	11779	11597	13251	10482
Load Shedding	19	21	21	19
MSEDCL DEMAND	11798	11618	13272	10501
TPCL GENERATION	927	967	960	704
R-INFRA GENERATION	516	518	516	398
MUMBAI DEMAND	2853	2786	2685	1882
STATE DEMAND MET	14632	14383	15936	12364
STATE DEMAND	14651	14404	15957	12383
Frequency (Hz)	49.97	49.85	49.84	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 10.02 Hrs	49.64 Hz at 18.42 Hrs	49.93	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 19/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.30	64.18	145	120
Unit 6	0.00	0.00	0	0
Unit 7	3.44	61.46	165	0
Total	6.74	125.64		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.89	77.12	175	150
Unit 4	9.20	197.42	400	370
Unit 5	9.36	145.80	460	370
Total	22.45	420.34		
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	3.06	58.77	151	88
Unit 3	4.08	70.85	175	163
Unit 4	0.00	0.00	0	0
Unit 5	7.79	169.72	360	255
Unit 6	7.10	163.74	350	240
Unit 7	6.88	156.28	317	253
Total	28.90	619.36		
Paras				
Unit 3	4.91	93.34	218	186
Unit 4	4.84	97.26	216	190
Total	9.75	190.60		
Khaparkheda				
Unit 1	2.94	47.37	150	90
Unit 2	3.21	65.29	170	90
Unit 3	3.76	68.05	182	146
Unit 4	3.40	68.19	162	117
Unit 5	8.54	152.35	450	263
Total	21.85	401.25		
Nasik				
Unit 3	3.68	83.26	180	105
Unit 4	3.99	69.18	183	145
Unit 5	4.25	80.71	186	165
Total	11.92	233.15		
Uran				
All Units	9.97	130.70	435	375
Total	9.97	130.70		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.91	12.47	60	0
Total	0.91	12.47		
Koyna				
Stage 1-2	3.21	57.90	435	40
Stage 4	0.47	38.52	377	0
Stage 3	1.54	24.66	160	0
Total	5.22	121.08		
Hydro				
KDPH	0.00	7.93	0	0
VTRNA	0.14	0.14	61	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	3.40	80	0
RNGR+BHTSA	0.00	1.38	0	0
BHANDARDRA	0.19	6.34	26	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.18	4.61	15	5
GHATGHAR	1.10	18.00	250	0
Total	1.75	41.90		
Wind				
Total	35.48	247.99	0	0
Total	35.48	247.99		
CPP				
APML(Mus)	32.12	882.00	0	0
JSWEL(Mus)	26.21	524.91	0	0
VIPL(Mus)	9.20	205.77	0	0
RPLAMT(Mus)	18.24	356.90	0	0
WPCL(Mus)	3.90	74.61	0	0
Other(Mus)	2.42	39.99	0	0
Total	92.09	2084.19		
SOLAR				
Total	0.90	18.33	0	0
Total	0.90	18.33		
Tata				
Trombay 5	10.07	199.65	487	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.65	46.74	115	87
Trombay 7B	1.56	19.19	67	58
Trombay 8	5.48	107.89	243	199
TATA Hydro	1.04	35.01	144	0
Total	20.80	408.49		
R-INFRA				
1-2	10.91	220.15	519	395
Total	10.91	220.15		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	101.62	1990.34
MSPGCL Thml+Gas	111.59	2121.04

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.97	162.98
MSPGCL Total	118.56	2284.02

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.68	96.42
State Total	278.74	5263.16

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 19/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 SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3962	45	406	4413	1479	3706	0	2069	2178	-1110	10666	31	10697	2251	12948	49.90
2	4068	45	406	4519	1656	3648	0	1814	1954	-981	10796	19	10815	2072	12887	49.96
3	4070	55	406	4531	1926	3698	0	1427	1603	-848	10910	19	10929	1950	12879	49.95
4	4185	45	406	4636	1923	3694	0	1166	1009	-780	10482	19	10501	1882	12383	49.98
5	4205	45	427	4677	1986	3656	0	1020	1265	-764	10820	19	10839	1864	12703	49.98
6	4220	45	426	4691	1702	3649	0	1286	1623	-820	10845	19	10864	1918	12782	49.94
7	4162	318	430	4910	1867	3797	2	1730	2209	-834	11951	19	11970	1950	13920	49.95
8	4247	125	428	4800	1800	3918	22	2527	2229	-906	11863	19	11882	2038	13920	50.00
9	4227	136	421	4784	1804	3750	59	2670	2936	-1072	12261	19	12280	2255	14535	49.89
10	4193	283	421	4897	1756	3682	95	2832	2691	-1309	11812	19	11831	2616	14447	49.95
11	4181	226	415	4822	1932	3722	111	2607	2602	-1410	11779	19	11798	2853	14651	49.97
12	4215	258	420	4893	1882	3705	117	1943	2242	-1375	11464	19	11483	2905	14388	49.91
13	4231	400	416	5047	1571	3686	138	1750	2353	-1361	11434	19	11453	2893	14346	49.90
14	4240	310	420	4970	1460	3666	113	1880	2513	-1303	11419	21	11440	2784	14224	49.84
15	4267	174	416	4857	1391	3798	104	2072	2748	-1301	11597	21	11618	2786	14404	49.85
16	4267	395	417	5079	1126	3626	78	2081	2774	-1235	11448	21	11469	2756	14225	49.86
17	4311	520	419	5250	1199	3684	44	1745	2607	-1160	11624	21	11645	2731	14376	49.91
18	4310	355	419	5084	1126	3683	16	2435	2970	-1248	11631	21	11652	2696	14348	49.93
19	4308	728	409	5445	907	3922	0	3256	4186	-1209	13251	21	13272	2685	15957	49.84
20	4376	1044	410	5830	913	4136	0	3267	3560	-1235	13204	21	13225	2727	15952	49.95
21	4532	505	407	5444	990	4156	0	3355	3710	-1161	13139	21	13160	2597	15757	49.97
22	4362	487	375	5224	1011	4221	0	2711	3243	-1130	12569	21	12590	2443	15033	49.91
23	4261	287	415	4963	989	4414	0	2771	2830	-1050	12146	21	12167	2352	14519	49.94
24	4220	137	435	4792	1086	4475	0	2861	2679	-971	12061	21	12082	2278	14360	49.95
MUs	101.62	6.97	9.97	118.56	35.48	92.09	0.90	53.27	60.71	-26.57	281.17	0.49	281.66	58.28	339.94	49.93

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 19/Sep/2015

Position as on 6.30 Hrs of 20/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-5	660	06/09/2015	13.03	19/09/2015	23.30	Bottom Ash Problem	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generator bearing	
MSPGCL	Koradi Unit-8	660	18/09/2015	18.08		Continued.	ESP Problem	
MSPGCL	Chandrapur Unit-8	500	18/09/2015	21.45	19/09/2015	04.51	Generator protection tripped	
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 19/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 20/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		Continued.	T	Distance Protection(RFC 14.50Hrs 17-9-15)
Dhule Sar'Sarovar I	InterState	17/09/2015	17.43	19/09/2015	14.26	HT	Over Voltage
Kolhapur Mapusa I	InterState	18/09/2015	16.14	19/09/2015	10.04	HT	Over Voltage
Kolhapur Mapusa I	InterState	19/09/2015	16.38		Continued.	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.
Koradi-Khaperkheda I	IntraState	16/09/2015	08.18	19/09/2015	14.36	PO	Bay Maintenance Work.(RFC @ 18.25)
karad -kolhapur-I	IntraState	16/09/2015	15.56	19/09/2015	08.51	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	16/09/2015	16.30	19/09/2015	08.33	HT	Over Voltage
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
Dhule - Bableswhar - li	IntraState	19/09/2015	03.20	19/09/2015	08.26	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/09/2015	11.17	19/09/2015	19.35	OO	Maintance work
Dhule - Bableswhar - li	IntraState	19/09/2015	13.40	19/09/2015	19.44	PO	Quarterly Maintainance Work
Bhusawal-Aurangabad	IntraState	19/09/2015	21.35		Continued.	HT	Over Voltage
Dhule - Bableswhar - 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
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
Ranjangaon-Fiat 1	IntraState	19/09/2015	11.32	19/09/2015	13.35	EO	Testing Work
Nashik-Airoli Knowledge Park	IntraState	19/09/2015	12.22	19/09/2015	12.32	T	Distance Protection
Boisar Versova Line	IntraState	20/09/2015	08.34	20/09/2015	13.36	PO	Repairing of Damaged Conductor
Urse - Talegaon (Ambi) Ckt 2	IntraState	20/09/2015	10.12	20/09/2015	11.38	T	Bus Bar Prot.operated at Talegaon(ambi)
Talegaon (Ambi)-General Motors	IntraState	20/09/2015	10.12	20/09/2015	10.50	T	Bus Bar Prot.operated at Talegaon(ambi)

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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 Panal
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							
Kanhan-Pench	IntraState	18/09/2015	02.28	19/09/2015	12.32	T	Distance Protection
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