

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Sep/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	93.343	2176.621	1) Gujrat	8.728	63.478
2) Hydro	3.244	171.017	2) Madhya Pradesh	5.771	166.371
3) Gas	8.558	149.704	3) Chattisgarh	3.790	85.460
Total MSPGCL	105.145	2497.342	4) Maharashtra Net	68.385	1905.559
B) 1) APML	52.760	978.770	5) Goa	-6.263	-146.266
2) JSWEL	27.183	577.763	6) TAPS 1&2 Injection	3.827	78.953
3) VIPL	9.447	224.386	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	19.590	394.124	8) Pench (MS)	0.594	13.676
5) WPCL	4.029	82.590	9) Pench (Excess)	-0.594	-13.676
6) Other IPP	2.437	45.084	Total	83.644	2139.879
C) 1) TPCL Thermal	15.836	336.867	a) Mumbai Schedule	20.358	449.720
2) TPCL Hydro	0.977	36.126	b) Mumbai Drawl	27.243	543.302
3) TPCL Gas	4.003	74.257	c) MSEDCL Bilateral *	8.761	499.551
4) R-INFRA Thermal	11.351	240.962	Include PX	-18.688	-75.223
D) STATE			d) Mumbai Bilateral *	20.358	448.685
1) Thermal	235.976	5057.167	Include PX	2.177	21.236
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	4.221	207.143	H) ENERGY CATERED (MUs)		
3) Gas	12.561	223.961	1) MSEDCL	299.203	6709.297
4) Wind	21.268	292.555	2) Mumbai Discoms	59.410	1231.507
6) SOLAR	0.943	20.106	TOTAL STATE	358.613	7940.804
TOTAL STATE	274.969	5800.932			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4073	3973	3805	3846
MSPGCL Hydro	147	46	494	57
MSPGCL Gas	425	411	265	433
MSPGCL Total Generation	4645	4430	4564	4336
Central Sector Receipt	3910	3806	4617	2714
WIND	969	1098	769	816
CPP / IPP	5086	4824	5211	4250
SOLAR	117	90	0	0
Exchange with Mumbai	-1321	-1479	-1281	-884
MSEDCL DEMAND MET	13406	12769	13880	11232
Load Shedding	18	18	18	17
MSEDCL DEMAND	13424	12787	13898	11249
TPCL GENERATION	940	1032	974	641
R-INFRA GENERATION	517	516	517	397
MUMBAI DEMAND	2778	3027	2772	1922
STATE DEMAND MET	16184	15796	16652	13154
STATE DEMAND	16202	15814	16670	13171
Frequency (Hz)	49.98	49.97	49.97	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 16:02 Hrs	49.55 Hz at 18:40 Hrs	49.97	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 21/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.35	70.71	150	130
Unit 6	0.00	0.00	0	0
Unit 7	0.02	61.48	22	0
Total	3.37	132.19		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.02	85.12	175	160
Unit 4	10.04	217.06	495	370
Unit 5	0.00	146.58	0	0
Total	14.06	448.76		
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	3.17	65.16	145	115
Unit 3	4.10	79.07	186	163
Unit 4	0.00	0.00	0	0
Unit 5	8.22	185.65	380	310
Unit 6	8.48	179.86	375	310
Unit 7	7.44	171.71	344	255
Total	31.40	681.45		
Paras				
Unit 3	5.03	103.46	226	196
Unit 4	4.97	107.15	225	190
Total	10.00	210.61		
Khaparkheda				
Unit 1	3.22	53.41	155	90
Unit 2	3.52	72.32	175	120
Unit 3	3.71	75.22	160	140
Unit 4	3.46	74.77	155	122
Unit 5	9.38	170.92	440	350
Total	23.30	446.63		
Nasik				
Unit 3	2.55	89.88	180	0
Unit 4	4.35	77.68	194	170
Unit 5	4.31	89.42	185	171
Total	11.21	256.97		
Uran				
All Units	8.56	149.70	435	250
Total	8.56	149.70		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.59	13.68	52	0
Total	0.59	13.68		
Koyna				
Stage 1-2	2.01	62.02	415	40
Stage 4	0.16	38.68	120	0
Stage 3	0.24	25.70	98	0
Total	2.41	126.40		
Hydro				
KDPH	0.00	7.93	0	0
VTRNA	0.18	0.31	61	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	3.72	81	0
RNGR+BHTSA	0.00	1.41	0	0
BHANDARDRA	0.10	6.51	25	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.22	5.23	16	6
GHATGHAR	0.20	19.39	120	0
Total	0.83	44.61		
Wind				
Total	21.27	292.56	0	0
Total	21.27	292.56		
CPP				
APML(Mus)	52.76	978.77	0	0
JSWEL(Mus)	27.18	577.76	0	0
VIPL(Mus)	9.45	224.39	0	0
RPLAMT(Mus)	19.59	394.12	0	0
WPCL(Mus)	4.03	82.59	0	0
Other(Mus)	2.44	45.08	0	0
Total	115.45	2302.72		
SOLAR				
Total	0.94	20.11	0	0
Total	0.94	20.11		
Tata				
Trombay 5	10.31	218.37	489	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.49	51.96	115	69
Trombay 7B	1.52	22.29	67	52
Trombay 8	5.53	118.49	245	201
TATA Hydro	0.98	36.13	190	0
Total	20.82	447.25		
R-INFRA				
1-2	11.35	240.96	518	395
Total	11.35	240.96		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	93.34	2176.62
MSPGCL Thml+Gas	101.90	2326.32

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	3.24	171.02
MSPGCL Total	105.14	2497.34

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.17	100.70
State Total	274.97	5800.93

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Sep/2015

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	3861	62	432	4355	909	4743	0	2656	2494	-1045	11456	27	11483	2089	13572	50.00
2	3846	57	433	4336	816	4250	0	2939	2714	-884	11232	17	11249	1922	13171	49.99
3	3862	52	433	4347	851	4116	0	2630	2806	-782	11338	17	11355	1817	13172	49.98
4	3961	95	434	4490	932	4292	0	2368	2561	-715	11560	17	11577	1752	13329	50.00
5	3968	72	434	4474	957	4384	0	2490	2438	-712	11541	17	11558	1749	13307	49.98
6	3972	47	432	4451	791	4353	0	2780	2982	-780	11797	18	11815	1824	13639	49.92
7	3964	47	435	4446	876	4426	0	3389	3621	-831	12538	18	12556	1925	14481	50.00
8	3975	72	435	4482	847	4605	28	3462	3937	-959	12940	18	12958	2080	15038	50.03
9	3989	156	435	4580	917	4968	65	3455	3583	-993	13120	18	13138	2367	15505	49.97
10	4073	147	425	4645	969	5086	117	3589	3910	-1321	13406	18	13424	2778	16202	49.98
11	4070	106	418	4594	1000	5067	144	3843	3640	-1419	13026	18	13044	3004	16048	49.96
12	4022	56	424	4502	1089	5081	133	3633	3366	-1427	12744	18	12762	3047	15809	49.96
13	3973	46	411	4430	1098	4824	90	3309	3806	-1479	12769	18	12787	3027	15814	49.97
14	3968	61	348	4377	950	4865	131	3234	3636	-1389	12570	19	12589	2921	15510	49.94
15	3948	100	264	4312	799	4922	110	3646	3885	-1423	12605	18	12623	2940	15563	49.97
16	3763	186	264	4213	946	4960	62	3727	3847	-1431	12597	18	12615	2932	15547	49.99
17	3764	256	263	4283	794	4711	49	3525	3454	-1401	11890	18	11908	2874	14782	50.00
18	3751	421	262	4434	708	5120	12	2905	3205	-1364	12115	18	12133	2818	14951	49.93
19	3815	196	264	4275	659	5231	2	4212	4038	-1329	12876	18	12894	2822	15716	49.88
20	3805	494	265	4564	769	5211	0	4535	4617	-1281	13880	18	13898	2772	16670	49.97
21	3743	150	250	4143	890	5292	0	4323	3917	-1185	13057	18	13075	2627	15702	49.96
22	3724	136	260	4120	844	5095	0	3404	4222	-1087	13194	18	13212	2525	15737	49.95
23	3750	103	267	4120	921	4911	0	2939	3747	-1018	12681	18	12699	2450	15149	49.95
24	3776	126	270	4172	936	4933	0	2573	3218	-988	12271	18	12289	2348	14637	49.94
MUs	93.34	3.24	8.56	105.15	21.27	115.45	0.94	79.57	83.64	-27.24	299.20	0.44	299.64	59.41	359.05	49.97

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 21/Sep/2015

Position as on 6.30 Hrs of 22/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	21/09/2015	23.19	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 5	500	20/09/2015	02.12		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 6	108	21/09/2015	13.58		Continued.	Turbine Vibration	
MSPGCL	Nasik Unit 3	210	21/09/2015	15.00		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Sep/2015

Position as on 6.30 Hrs of 22/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit B0	120	21/09/2015	20.35	21/09/2015	21.57	Boiler Prot.operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 22/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) II	InterState	20/09/2015	16.09	21/09/2015	07.33	HT	Over Voltage
Chandrapur Bhadravati I	InterState	21/09/2015	11.28	21/09/2015	16.55	PO	Repl.of Procelin Insulator Polymer
Kolhapur Mapusa II	InterState	21/09/2015	16.24		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	21/09/2015	21.58		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
Bhusawal-Aurangabad	IntraState	19/09/2015	21.35	22/09/2015	06.51	HT	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	21/09/2015	08.43	HT	Over Voltage
Padghe - Nagothane - I	IntraState	21/09/2015	00.34	21/09/2015	07.31	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	21/09/2015	02.48	21/09/2015	07.27	T	Over Voltage
Dhule - Ssnl I	IntraState	21/09/2015	07.11	21/09/2015	12.05	T	Tripped at Dhule end without Indication
Lonikand 1 - Chakan	IntraState	21/09/2015	11.45	21/09/2015	12.48	EO	Isolator Maint.Work
Lonikand I - Koyna stage-IV	IntraState	21/09/2015	21.58		Continued.	HT	Over Voltage
Dhule - Ssnl I	IntraState	22/09/2015	01.33		Continued.	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	22/09/2015	02.57	22/09/2015	06.29	T	Over Voltage
New Koyna - Dabhol-I	IntraState	22/09/2015	03.22		Continued.	T	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33kv, 500 Mva Ict-2 @Khaparkheda	IntraState	21/09/2015	10.38	21/09/2015	18.53	PO	Postmonsoon Tan Delta and CC of ICT Bushing and attending earth leakage
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	21/09/2015	10.58	21/09/2015	17.35	T	Distance Protection
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
Karad(400kv) - Wathar	IntraState	21/09/2015	10.13	21/09/2015	12.50	EO	To attend Hot Spot
Jejuri-Phursungi 2	IntraState	21/09/2015	11.23	21/09/2015	13.10	EO	To attend Hot Spot
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	IntraState	15/09/2015	16.34		Continued.	T	On Snake Fault,33kv Breaker R,

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 21/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 22/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
@Valve							Y,B Ph Pole Burst.