

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Jul/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	108.428	2659.927	1) Gujrat	8.580	92.343
2) Hydro	6.535	225.947	2) Madhya Pradesh	10.225	441.911
3) Gas	6.182	164.085	3) Chattisgarh	2.600	149.930
Total MSPGCL	121.145	3049.959	4) Maharashtra Net	66.464	2660.475
B) 1) APML	41.180	1309.200	5) Goa	-5.806	-175.950
2) JSWEL	18.066	497.848	6) TAPS 1&2 Injection	2.782	76.775
3) VIPL	4.600	238.939	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	13.128	328.648	8) Pench (MS)	0.050	4.406
5) WPCL	4.015	80.579	9) Pench (Excess)	-0.050	-4.018
6) Other IPP	2.553	102.881	Total	84.795	3241.466
C) 1) TPCL Thermal	15.064	451.946	a) Mumbai Schedule	23.400	699.855
2) TPCL Hydro	2.210	86.896	b) Mumbai Drawl	28.506	760.552
3) TPCL Gas	0.948	63.854	c) MSEDCL Bilateral *	22.336	950.857
4) R-INFRA Thermal	11.333	279.225	Include PX	-2.057	197.358
D) STATE			d) Mumbai Bilateral *	23.400	699.855
1) Thermal	218.367	5949.193	Include PX	7.286	148.270
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	8.745	312.843	H) ENERGY CATERED (MUs)		
3) Gas	7.130	227.939	1) MSEDCL	306.241	9102.250
4) Wind	44.642	987.741	2) Mumbai Discoms	58.060	1642.478
6) SOLAR	0.623	25.541	TOTAL STATE	364.301	10744.728
TOTAL STATE	279.507	7503.257			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4604	4567	4527	4506
MSPGCL Hydro	255	88	792	93
MSPGCL Gas	275	265	266	272
MSPGCL Total Generation	5134	4920	5585	4871
Central Sector Receipt	4295	3923	3474	2615
WIND	2138	2146	1735	1728
CPP / IPP	3594	3542	3494	3460
SOLAR	65	101	0	0
Exchange with Mumbai	-1506	-1545	-1254	-884
MSEDCL DEMAND MET	13720	13087	13034	11790
Load Shedding	54	45	39	42
MSEDCL DEMAND	13774	13132	13073	11832
TPCL GENERATION	908	876	936	519
R-INFRA GENERATION	508	512	509	395
MUMBAI DEMAND	2922	2933	2699	1798
STATE DEMAND MET	16642	16020	15733	13588
STATE DEMAND	16696	16065	15772	13630
Frequency (Hz)	50.00	50.12	49.94	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 13:01 Hrs	49.75 Hz at 19:24 Hrs	50.01	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 27/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.37	33.41	165	120
Unit 6	0.00	0.00	0	0
Unit 7	3.65	85.65	165	140
Total	7.01	119.06		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.06	99.93	175	160
Unit 4	9.15	237.18	400	365
Unit 5	9.00	248.97	390	360
Total	22.20	586.09		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.18	0	0
Unit 5	0.00	19.87	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	37.92	0	0
Total	0.00	57.96		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.40	93.39	154	125
Unit 3	4.11	114.73	176	164
Unit 4	4.05	111.15	178	150
Unit 5	8.69	211.26	370	340
Unit 6	8.55	36.63	380	300
Unit 7	7.63	226.80	360	261
Total	36.43	793.95		
Paras				
Unit 3	4.78	136.74	213	190
Unit 4	4.72	139.23	206	183
Total	9.50	275.98		
Khaparkheda				
Unit 1	3.78	95.12	175	140
Unit 2	3.53	95.42	180	125
Unit 3	3.99	105.33	175	151
Unit 4	3.77	27.88	168	150
Unit 5	9.23	264.91	405	359
Total	24.30	588.66		
Nasik				
Unit 3	4.52	124.12	195	185
Unit 4	4.46	114.11	192	178
Unit 5	0.00	0.00	0	0
Total	8.98	238.24		
Uran				
All Units	6.18	164.08	275	128
Total	6.18	164.08		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.05	4.41	35	0
Total	0.05	4.41		
Koyna				
Stage 1-2	1.80	89.91	270	40
Stage 4	0.00	56.24	0	0
Stage 3	1.21	39.66	160	0
Total	3.02	185.81		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.33	1.14	61	0
TILLARI	0.00	2.08	0	0
BHTGR/VEER	0.06	1.56	3	2
BHIRA T.R.	0.32	7.63	82	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.95	4.95	40	39
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	1.86	18.12	250	0
Total	3.52	40.13		
Wind				
Total	44.64	987.74	0	0
Total	44.64	987.74		
CPP				
APML(Mus)	41.18	1309.20	0	0
JSWEL(Mus)	18.07	497.85	0	0
VIPL(Mus)	4.60	238.94	0	0
RPLAMT(Mus)	13.13	328.65	0	0
WPCL(Mus)	4.02	80.58	0	0
Other(Mus)	2.55	102.88	0	0
Total	83.54	2558.10		
SOLAR				
Total	0.62	25.54	0	0
Total	0.62	25.54		
Tata				
Trombay 5	9.58	289.72	493	297
Trombay 6	0.00	8.40	0	0
Trombay 7A	0.95	39.61	104	0
Trombay 7B	0.00	24.24	0	0
Trombay 8	5.49	153.82	250	176
TATA Hydro	2.21	86.90	222	0
Total	18.22	602.70		
R-INFRA				
1-2	11.33	279.22	517	392
Total	11.33	279.22		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	108.43	2659.93
MSPGCL Thml+Gas	114.61	2824.01

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.54	225.95
MSPGCL Total	121.14	3049.96

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	1.80	146.15
State Total	279.51	7503.26

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jul/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	4531	83	270	4884	1811	3517	0	3475	3263	-1111	12364	59	12423	2008	14431	50.01
2	4511	83	270	4864	1747	3327	0	3072	2902	-982	11858	42	11900	1873	13773	50.01
3	4506	93	272	4871	1728	3460	0	2907	2615	-884	11790	42	11832	1798	13630	50.08
4	4534	93	271	4898	1687	3386	0	2518	2807	-817	11961	42	12003	1725	13728	50.11
5	4519	88	271	4878	1756	3421	0	2651	2688	-816	11927	42	11969	1724	13693	50.13
6	4527	88	271	4886	1741	3435	0	3271	3608	-928	12742	43	12785	1839	14624	50.08
7	4527	230	270	5027	1665	3401	0	3847	4166	-1007	13252	53	13305	1958	15263	50.00
8	4539	397	272	5208	1681	3511	13	4406	4411	-1145	13679	60	13739	2123	15862	50.08
9	4591	496	273	5360	1769	3574	40	4660	4458	-1242	13959	54	14013	2449	16462	50.07
10	4604	377	275	5256	2040	3642	63	4847	4080	-1345	13736	56	13792	2712	16504	50.02
11	4604	255	275	5134	2138	3594	65	4750	4295	-1506	13720	54	13774	2922	16696	50.00
12	4587	163	273	5023	2143	3567	99	4249	4060	-1550	13342	47	13389	2994	16383	49.98
13	4567	88	265	4920	2146	3542	101	4477	3923	-1545	13087	45	13132	2933	16065	50.12
14	4530	81	266	4877	2137	3428	66	3810	3705	-1488	12725	40	12765	2827	15592	50.02
15	4485	86	270	4841	2159	3529	69	3626	3806	-1434	12970	42	13012	2827	15839	49.93
16	4464	81	268	4813	2113	3471	56	3602	3857	-1394	12916	42	12958	2766	15724	49.96
17	4504	97	268	4869	2158	3468	34	3559	3453	-1425	12557	39	12596	2771	15367	49.98
18	4537	220	264	5021	1913	3474	17	2607	2949	-1399	11975	37	12012	2759	14771	49.96
19	4506	532	264	5302	1741	3452	0	2637	3020	-1303	12212	37	12249	2724	14973	49.95
20	4527	792	266	5585	1735	3494	0	3408	3474	-1254	13034	39	13073	2699	15772	49.94
21	4465	601	265	5331	1625	3510	0	3535	3638	-1066	13038	39	13077	2609	15686	49.97
22	4452	686	265	5403	1568	3422	0	3562	3334	-1004	12723	39	12762	2475	15237	49.99
23	4432	435	130	4997	1652	3449	0	3587	3278	-983	12393	39	12432	2337	14769	49.93
24	4379	390	128	4897	1789	3468	0	2872	3005	-878	12281	39	12320	2209	14529	49.99
MUs	108.43	6.54	6.18	121.15	44.64	83.54	0.62	85.94	84.80	-28.51	306.24	1.07	307.31	58.06	365.37	50.01

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 27/Jul/2015

Position as on 6.30 Hrs of 28/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling work	
TPC-G	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
MSPGCL	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
IPP	VIPL U-1	300	14/07/2015	23.58		Continued.	AOH.	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
TPC-G	Trombay 7A	120	17/07/2015	20.38	27/07/2015	11.21	Gas path Inspection and Rotor replacement	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPL	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	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
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	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
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	
IPP	Adani U-3	660	04/07/2015	15:03		Continued.	Super heater drain leakage.	
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	18/07/2015	00.00		Continued.	FD Fan Problem.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 27/Jul/2015

Position as on 6.30 Hrs of 28/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-2	270	21/07/2015	07.00		Continued.	Abnormal Sound Found.	
TPC-G	Trombay 7A	120	27/07/2015	11.45	27/07/2015	13.11	Low Gas Pressure.	
MSPGCL	Koradi Unit-8	660	27/07/2015	13.48		Continued.	Furnace Metal Temp.High.	
MSPGCL	Uran Unit 5	108	27/07/2015	22.30	28/07/2015	01.04	Bearing Vibration High.	
MSPGCL	Uran Unit A0	120	27/07/2015	22.30	28/07/2015	05.10	Bearing Vibration High.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 28/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Wardha PG - Aurangabad PG IV	InterState	13/07/2015	07.19		Continued.	HT	To Control Padhga-BBLR Line Loading.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	26/07/2015	10.55		Continued.	PO	For Replacement of BHEL Make Smoothing Reactor (Outage upto 4.8.15).
Chandrapur - Padghe Hvdc Pole 1	IntraState	27/07/2015	19.10	28/07/2015	00.01	EO	DC Capacitor Oil Leakage Attending.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	25/07/2015	16.41	27/07/2015	19.42	HT	Over Voltage
Kolhapur Mapusa I	InterState	26/07/2015	15.54	27/07/2015	07.32	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	26/07/2015	16.47	27/07/2015	11.10	HT	Over Voltage
Chandrapur Bhadravati I	InterState	27/07/2015	12.00	27/07/2015	16.50	PO	Replacement of Disc Insulator.
Kolhapur Mapusa II	InterState	27/07/2015	16.03		Continued.	HT	Over Voltage
Padgha Tarapur II	InterState	27/07/2015	16.12		Continued.	T	Dist.Prot.R Ph Earth.
Kolhapur Solapur (PG) II	InterState	27/07/2015	22.06		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	22/07/2015	21.04		Continued.	HT	To Control Padgha-Bblsr Line Loading.
karad -kolhapur-I	IntraState	25/07/2015	16.04	27/07/2015	07.02	HT	Over Voltage
Karad - Jaigad - II	IntraState	26/07/2015	16.48	27/07/2015	09.14	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	26/07/2015	17.05	27/07/2015	08.06	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	26/07/2015	18.04	27/07/2015	06.28	HT	Over Voltage
Padghe - Nagothane - I	IntraState	27/07/2015	04.47		Continued.	HT	Opportunity Outage Given for Replacement of Damaged Insulator from 10.50 Hrs (RFC @ 17.45 Hrs).
Deepnagar Taptitanda	IntraState	27/07/2015	08.17	27/07/2015	19.51	PO	Line Maint.Work.
Chandrapur - Khaperkheda	IntraState	27/07/2015	11.28	27/07/2015	16.10	PO	A/R Out for Line Work on 400KV C'pur-Badravati-I Line due to Crossing.
Warora-Tirora-I	IntraState	27/07/2015	12.02	27/07/2015	17.18	PO	For Fixcing Spacer.
karad -kolhapur-II	IntraState	27/07/2015	16.35		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/07/2015	17.18	28/07/2015	06.23	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/07/2015	17.57		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/07/2015	18.11		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	27/07/2015	06.13		Continued.	HT	To Control Over Loading in Gujarat Grid.
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 deenergising 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 deenergising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	27/07/2015	08.41	27/07/2015	13.54	PO	A/R Out for OPGW Work.
Eklahara(Gcr)(Nasik)- Bableshtar-I	IntraState	27/07/2015	08.41	27/07/2015	13.54	PO	A/R Out for OPGW Work.
Halkarni-Hemrusline	IntraState	27/07/2015	10.13	27/07/2015	17.10	PO	Quarterly Maintainance Work
Kanhan-Bhandara 2	IntraState	27/07/2015	10.25	27/07/2015	15.29	PO	Jumper Replacement.
Kandalgaon - Koyna	IntraState	27/07/2015	23.10	27/07/2015	23.28	T	Dist.Prot.B Ph Fault.

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 27/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 28/Jul/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							
220/110KV, 200MVA T/F-III at Mudshingi	InterState	27/07/2015	10.06	27/07/2015	15.16	PO	Q.M.Work & Testing Work.
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
132 KV LINE Outages/Trippings							
Harangul - Niwali	IntraState	27/07/2015	03.20	27/07/2015	03.38	T	Dist.Prot. Operated Z-I B Ph.
Mankapur-Uppalwadi	IntraState	27/07/2015	06.00	27/07/2015	19.20	HT	In View of Outage on Anbazari Hingna-I.
Paras-Patur	IntraState	27/07/2015	17.40	27/07/2015	17.51	T	Dist.Prot. Operated Z-I R Ph. TO Earth Fault.