

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	89.232	1848.861	1) Gujrat	12.343	176.143
2) Hydro	8.987	148.666	2) Madhya Pradesh	14.585	237.449
3) Gas	6.222	125.036	3) Chattisgarh	5.100	91.540
Total MSPGCL	104.441	2122.563	4) Maharashtra Net	105.125	1654.553
B) 1) APML	43.190	960.650	5) Goa	-6.947	-123.534
2) JSWEL	26.725	523.321	6) TAPS 1&2 Injection	2.544	52.691
3) VIPL	12.144	147.540	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	18.390	328.539	8) Pench (MS)	0.703	7.682
5) WPCL	3.880	67.748	9) Pench (Excess)	-0.703	-6.636
6) Other IPP	2.963	41.108	Total	132.047	2082.206
C) 1) TPCL Thermal	17.713	318.367	a) Mumbai Schedule	27.505	456.336
2) TPCL Hydro	3.982	67.740	b) Mumbai Drawl	26.135	516.854
3) TPCL Gas	2.598	33.261	c) MSEDCL Bilateral *	39.553	567.883
4) R-INFRA Thermal	12.401	221.773	Include PX	12.432	35.539
D) STATE			d) Mumbai Bilateral *	27.505	456.336
1) Thermal	226.638	4457.907	Include PX	3.566	93.990
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	12.969	216.406	H) ENERGY CATERED (MUs)		
3) Gas	8.820	158.297	1) MSEDCL	333.386	6254.587
4) Wind	14.664	478.502	2) Mumbai Discoms	62.829	1157.984
6) SOLAR	1.077	19.264	TOTAL STATE	396.215	7412.571
TOTAL STATE	264.168	5330.376			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3565	3559	3873	3737
MSPGCL Hydro	718	687	798	146
MSPGCL Gas	194	232	270	275
MSPGCL Total Generation	4477	4478	4941	4158
Central Sector Receipt	7329	7219	4842	4175
WIND	432	399	864	469
CPP / IPP	4303	4388	4643	4706
SOLAR	135	130	0	0
Exchange with Mumbai	-1507	-1489	-1267	-553
MSEDCL DEMAND MET	15169	15125	14023	12955
Load Shedding	24	24	27	24
MSEDCL DEMAND	15193	15149	14050	12979
TPCL GENERATION	1163	1155	1097	817
R-INFRA GENERATION	514	517	519	518
MUMBAI DEMAND	3184	3161	2883	1888
STATE DEMAND MET	18353	18286	16906	14843
STATE DEMAND	18377	18310	16933	14867
Frequency (Hz)	49.97	49.97	49.81	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 08:01 Hrs	49.71 Hz at 19:11 Hrs	49.95	% 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/Aug/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	42.78	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.10	75.93	180	148
Total	4.10	118.71		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.90	76.86	170	155
Unit 4	9.88	163.84	465	360
Unit 5	0.00	0.00	0	0
Total	13.78	240.70		
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	2.74	63.43	138	87
Unit 3	3.74	64.51	187	120
Unit 4	4.05	72.55	182	139
Unit 5	7.68	166.86	355	270
Unit 6	6.46	150.11	330	220
Unit 7	7.41	153.09	356	240
Total	32.09	670.55		
Paras				
Unit 3	4.54	90.90	206	177
Unit 4	4.27	93.83	207	153
Total	8.82	184.73		
Khaparkheda				
Unit 1	3.36	58.84	150	120
Unit 2	3.19	65.78	160	110
Unit 3	3.39	66.29	160	122
Unit 4	0.00	58.72	0	0
Unit 5	7.29	132.82	350	250
Total	17.24	382.45		
Nasik				
Unit 3	4.56	88.95	200	180
Unit 4	4.38	90.38	190	172
Unit 5	4.28	72.39	193	167
Total	13.21	251.72		
Uran				
All Units	6.22	125.04	278	147
Total	6.22	125.04		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.70	7.68	53	0
Total	0.70	7.68		
Koyna				
Stage 1-2	2.64	57.16	440	40
Stage 4	2.79	28.50	425	0
Stage 3	1.55	26.76	160	0
Total	6.97	112.41		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.44	0	0
TILLARI	0.00	1.94	0	0
BHTGR/VEER	0.00	1.26	0	0
BHIRA T.R.	0.36	6.70	80	0
RNGR+BHTSA	0.00	0.17	0	0
BHANDARDRA	0.48	5.68	34	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.24	2.10	17	7
GHATGHAR	0.93	17.97	125	0
Total	2.02	36.25		
Wind				
Total	14.66	478.50	0	0
Total	14.66	478.50		
CPP				
APML(Mus)	43.19	960.65	0	0
JSWEL(Mus)	26.72	523.32	0	0
VIPL(Mus)	12.14	147.54	0	0
RPLAMT(Mus)	18.39	328.54	0	0
WPCL(Mus)	3.88	67.75	0	0
Other(Mus)	2.96	41.11	0	0
Total	107.29	2068.91		
SOLAR				
Total	1.08	19.26	0	0
Total	1.08	19.26		
Tata				
Trombay 5	11.72	204.66	495	460
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.60	33.26	125	89
Trombay 7B	0.00	0.00	0	0
Trombay 8	5.99	113.70	251	248
TATA Hydro	3.98	67.74	294	0
Total	24.29	419.37		
R-INFRA				
1-2	12.40	221.77	519	511
Total	12.40	221.77		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	89.23	1848.86
MSPGCL Thml+Gas	95.45	1973.90

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	8.99	148.67
MSPGCL Total	104.44	2122.56

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	5.42	85.65
State Total	264.17	5330.38

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Aug/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	3674	140	273	4087	334	4905	0	4382	4802	-911	13217	39	13256	2256	15512	49.90
2	3667	140	275	4082	321	4762	0	4285	4862	-719	13308	24	13332	2066	15398	49.97
3	3750	140	273	4163	441	4706	0	4043	4296	-643	12963	24	12987	1959	14946	49.96
4	3737	146	275	4158	469	4706	0	3915	4175	-553	12955	24	12979	1888	14867	50.00
5	3768	65	275	4108	458	4578	0	4158	4445	-524	13065	24	13089	1867	14956	49.97
6	3787	250	277	4314	318	4369	0	4596	5130	-619	13512	24	13536	1964	15500	49.95
7	3774	509	278	4561	374	4323	2	5297	5073	-660	13673	24	13697	2094	15791	49.93
8	3713	395	278	4386	248	4463	32	5849	5812	-838	14103	24	14127	2261	16388	50.00
9	3639	710	277	4626	364	4418	68	6405	6398	-1114	14760	24	14784	2585	17369	50.03
10	3573	746	147	4466	307	4430	123	6679	6770	-1274	14822	24	14846	2884	17730	49.98
11	3529	939	192	4660	316	4296	143	6881	7114	-1549	14980	24	15004	3162	18166	50.01
12	3565	718	194	4477	432	4303	135	7077	7329	-1507	15169	24	15193	3184	18377	49.97
13	3559	687	232	4478	399	4388	130	6544	7219	-1489	15125	24	15149	3161	18310	49.97
14	3559	463	269	4291	623	4245	110	6334	6655	-1397	14527	27	14554	3030	17584	49.91
15	3643	352	266	4261	850	4379	133	6494	6447	-1486	14584	27	14611	3091	17702	49.92
16	3667	142	268	4077	1024	4316	107	6648	6562	-1494	14592	27	14619	3093	17712	49.94
17	3728	67	268	4063	1032	4349	72	6157	6148	-1469	14195	27	14222	3072	17294	49.94
18	3779	67	271	4117	1039	4385	20	5029	4822	-1409	12974	27	13001	3009	16010	50.01
19	3843	238	270	4351	941	4342	2	4459	4601	-1313	12924	27	12951	2903	15854	49.96
20	3873	798	270	4941	864	4643	0	5182	4842	-1267	14023	27	14050	2883	16933	49.81
21	3836	600	272	4708	929	4385	0	5248	5030	-1171	13881	27	13908	2781	16689	49.89
22	3873	482	273	4628	832	4480	0	4919	4385	-1013	13312	27	13339	2645	15984	49.94
23	3854	111	275	4240	885	4577	0	5058	4118	-891	12929	27	12956	2555	15511	49.91
24	3842	82	274	4198	864	4544	0	5208	5014	-825	13795	27	13822	2436	16258	49.96
MUs	89.23	8.99	6.22	104.44	14.66	107.29	1.08	130.85	132.05	-26.14	333.39	0.62	334.01	62.83	396.84	49.95

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/Aug/2015

Position as on 6.30 Hrs of 21/Aug/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	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
MSPGCL	Bhusawal Unit 5	500	29/07/2015	06.29		Continued.	Annual Overhaul	
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	
TPC-G	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
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-4	135	01/08/2015	21.57		Continued.	Vibration problem in ID Fan	
IPP	Adani U-2	660	04/08/2015	00.03		Continued.	ID Fan Problem	
MSPGCL	Koradi Unit 5	200	13/08/2015	09.04		Continued.	Water logged at HT cooler booster pump.	
MSPGCL	Khaparkheda Unit 4	210	16/08/2015	13.10		Continued.	Turbine bearing Vabration high	
IPP	Adani U-3	660	20/08/2015	05.31		Continued.	Main Steam Drain Line leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Aug/2015

Position as on 6.30 Hrs of 21/Aug/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	Uran Unit 8	108	20/08/2015	09.11	20/08/2015	10.13	Boiler Tripped	
MSPGCL	Koradi Unit-8	660	20/08/2015	09.50		Continued.	EPS problem	

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

Statement-VII

Position as on 6.30 Hrs of 21/Aug/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							
Kolhapur Mapusa I	InterState	19/08/2015	16.39	20/08/2015	07.14	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	20/08/2015	08.46	20/08/2015	20.17	PO	A.R.auto to non auto
Kolhapur Mapusa II	InterState	20/08/2015	16.39	21/08/2015	06.33	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	01/08/2015	12.04		Continued.	PO	Line Crossing work of 765KV A'bad-Solapur D/C By PGCIL(RFC @ 11.38 Hrs).
Karad -kolhapur-II	IntraState	19/08/2015	16.44	20/08/2015	07.18	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/08/2015	17.27	20/08/2015	07.20	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/08/2015	18.09	20/08/2015	06.40	HT	Over Voltage
Padghe - Kalwa-II	IntraState	20/08/2015	03.29	20/08/2015	09.34	PO	Attending Hot Spot
Chandrapur-Parali 1	IntraState	20/08/2015	09.30	20/08/2015	18.38	PO	shifted on TBC
Lonikand2-Lonikand1 (Intrconector)	IntraState	20/08/2015	12.44	20/08/2015	16.11	PO	Attending Hot Spot
Karad -kolhapur-I	IntraState	20/08/2015	16.35	21/08/2015	06.35	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/08/2015	17.03	21/08/2015	06.37	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	20/08/2015	17.09	21/08/2015	06.26	HT	Over Voltage
220 KV LINE Outages/Trippings							
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
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
GIS Bhandup - Borivali	IntraState	20/08/2015	06.25	20/08/2015	21.15	HT	To Control over loading of Kalwa mulund Ckt 2.
Kalwa - Mulund 1	IntraState	20/08/2015	06.32	21/08/2015	00.57	PO	Mumbai System Strengthening Work.
Bhigwan- Kurkumbh	IntraState	20/08/2015	10.10		Continued.	PO	Annual Maintenance Work
Phursungi-Serum	IntraState	20/08/2015	10.51	20/08/2015	16.30	PO	Annual Maintenance Work
Bableshwar- Bableshwar-II	IntraState	20/08/2015	17.15	20/08/2015	19.32	PO	Attending Hot Spot
Kalwa - Mulund 2	IntraState	20/08/2015	21.03		Continued.	T	y-ph ct burst of mulund end of 220kv kalwa-mulund 2 ckt
Mulund - GIS Bhandup	IntraState	20/08/2015	21.03	21/08/2015	03.26	T	y-ph ct burst of mulund end of 220kv kalwa-mulund 2 ckt
Trombay - Mulund	IntraState	20/08/2015	21.03	20/08/2015	21.28	T	y-ph ct burst of mulund end of 220kv kalwa-mulund 2 ckt
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22 Kv 50mva Telk Ptr No 1 @Chinchwad	IntraState	20/08/2015	11.55	20/08/2015	13.43	PO	Annual Maintenance Work

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