

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Aug/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	114.739	2519.616	1) Gujrat	9.743	193.611
2) Hydro	15.625	367.495	2) Madhya Pradesh	11.564	396.391
3) Gas	6.177	210.085	3) Chattisgarh	4.840	185.180
Total MSPGCL	136.541	3097.196	4) Maharashtra Net	82.554	2011.777
B) 1) APML	59.786	1189.851	5) Goa (Amona)	-0.632	-18.601
2) JSWEL	17.374	632.492	6) TAPS 1&2 Injection	7.714	224.495
3) VIPL	13.187	310.290	7) RGPPL Injection	11.862	356.309
4) RPL(AMT)	0.000	0.000	8) Pench (MS)	0.549	9.723
5) WPCL	4.850	133.625	9) Pench (Excess)	-0.549	-9.723
6) PGPL	1.696	74.112	Total	127.096	3339.439
7) Other IPP	2.509	68.785	a) Mumbai Schedule	21.078	571.282
C) 1) TPCL Thermal	15.541	422.400	b) Mumbai Drawl	23.295	679.391
2) TPCL Hydro	6.101	169.790	c) MSEDCL Bilateral *	28.853	813.323
3) TPCL Gas	3.951	114.534	Include PX	-0.656	-35.131
4) R-INFRA Thermal	11.185	312.165	d) Mumbai Bilateral *	21.078	571.282
D) STATE			Include PX	0.404	44.497
1) Thermal	239.171	5589.224	Include Standby	0.000	0.000
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	21.726	537.285	1) MSEDCL	353.857	9306.634
3) Gas	11.824	398.731	2) Mumbai Discoms	60.073	1698.276
4) Wind	13.126	1114.423	TOTAL STATE	413.930	11004.910
6) SOLAR	0.987	25.812			
TOTAL STATE	286.834	7665.475			

* 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 4 Hrs
MSPGCL Thermal	4656	4842	4933	4543
MSPGCL Hydro	1902	1442	477	122
MSPGCL Gas	244	257	258	257
MSPGCL Total Generation	6802	6541	5668	4922
Central Sector Receipt	6033	6071	5258	4706
WIND	302	279	900	374
CPP / IPP Thermal	4032	4041	4113	4067
CPP / IPP Gas	20	36	155	0
SOLAR	122	135	0	0
Exchange with Mumbai	-1277	-1238	-1032	-658
MSEDCL DEMAND MET	16034	15865	15062	13411
Load Shedding	0	0	0	0
MSEDCL DEMAND	16034	15865	15062	13411
TPCL GENERATION	1291	1307	1302	645
R-INFRA GENERATION	503	507	506	402
MUMBAI DEMAND	3071	3052	2840	1705
STATE DEMAND MET	19105	18917	17902	15116
STATE DEMAND	19105	18917	17902	15116
Frequency (Hz)	49.98	49.96	50.00	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18.02 Hrs	49.81 Hz at 06.14 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 30/Aug/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.85	16.82	130	100
Unit 6	0.00	0.00	0	0
Unit 7	3.12	24.58	140	120
Unit 8	13.34	280.48	640	465
Total	19.31	321.89		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	3.88	69.08	500	0
Unit 5	10.65	71.82	500	350
Total	14.52	140.90		
Parli				
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 3	4.48	88.24	195	182
Unit 4	4.08	91.13	177	159
Unit 5	9.53	261.15	425	351
Unit 6	0.00	228.06	0	0
Unit 7	9.52	264.97	424	370
Unit 8	4.94	187.30	420	10
Total	32.55	1120.85		
Paras				
Unit 3	6.02	105.69	256	243
Unit 4	5.93	152.45	250	240
Total	11.95	258.14		
Khaparkheda				
Unit 1	4.11	27.75	185	155
Unit 2	3.68	28.36	165	135
Unit 3	4.35	21.27	192	160
Unit 4	4.19	25.58	184	155
Unit 5	11.38	313.88	500	450
Total	27.71	416.84		
Nasik				
Unit 3	0.00	112.55	0	0
Unit 4	4.32	99.10	198	162
Unit 5	4.38	32.20	197	166
Total	8.69	243.84		
Uran				
All Units	6.18	210.08	268	244
Total	6.18	210.08		
PGPL				
Unit 1	0.97	45.92	124	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.72	28.20	87	0
Total	1.70	74.11		
PENCH (MS)				
Pench (MS)	0.55	9.72	26	12
Total	0.55	9.72		
Koyna				
Stage 1-2	3.66	112.32	490	40
Stage 4	5.60	94.03	751	0
Stage 3	2.38	62.81	240	0
Total	11.63	269.16		
Hydro				
KDPH	0.00	5.89	0	0
VTRNA	0.83	18.87	57	0
TILLARI	0.28	8.85	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.48	13.87	80	0
RNGR+BHTSA	0.00	4.62	0	0
BHANDARDRA	0.36	12.12	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.28	11.36	12	11
GHATGHAR	1.76	22.75	250	0
Total	3.99	98.33		
Wind				
Total	13.13	1114.42	0	0
Total	13.13	1114.42		
CPP				
APML(Mus)	59.79	1189.85	0	0
JSWEL(Mus)	17.37	632.49	0	0
VIPL(Mus)	13.19	310.29	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.85	133.62	0	0
Other(Mus)	2.51	68.78	0	0
Total	97.71	2335.04		
SOLAR				
Total	0.99	25.81	0	0
Total	0.99	25.81		
Tata				
Trombay 5	10.05	266.32	485	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.45	70.84	120	74
Trombay 7B	1.50	43.70	69	54
Trombay 8	5.49	156.08	249	199
TATA Hydro	6.10	169.79	387	0
Total	25.59	706.72		
R-INFRA				
1-2	11.18	312.16	507	402
Total	11.18	312.16		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	17.16
Koradi 9	0.00	0.00
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	114.74	2519.62
MSPGCL Thml+Gas	120.92	2729.70
MSPGCL Hydro	15.62	367.50

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	136.54	3097.20
Koyna 1,2 & 4 Total	9.25	206.35
State Total	286.83	7665.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/Aug/2016

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			THM	GAS										
1	4545	122	257	4924	642	4047	0	0	4419	4877	-827	13663	0	13663	2034	15697	49.99
2	4570	122	258	4950	512	4071	0	0	4555	4580	-738	13375	0	13375	1865	15240	50.00
3	4544	127	256	4927	472	4077	0	0	4494	4658	-722	13412	0	13412	1770	15182	49.99
4	4543	122	257	4922	374	4067	0	0	4556	4706	-658	13411	0	13411	1705	15116	50.04
5	4533	127	258	4918	323	4077	0	0	4558	5099	-667	13750	0	13750	1712	15462	49.99
6	4568	135	262	4965	338	4144	0	0	4691	5535	-664	14318	0	14318	1809	16127	49.97
7	4795	553	264	5612	306	4336	0	1	5069	5275	-667	14862	0	14862	2043	16906	49.98
8	4945	1072	266	6283	257	4281	0	26	5199	5641	-719	15769	0	15769	2226	17995	50.03
9	4970	1202	258	6430	220	4104	0	81	5455	6127	-1050	15912	0	15912	2663	18575	50.01
10	4800	1584	268	6652	216	4018	40	110	5418	6057	-1073	16019	0	16019	2864	18883	49.99
11	4656	1902	244	6802	302	4032	20	122	5533	6033	-1277	16034	0	16034	3071	19105	49.98
12	4776	1748	253	6777	281	4038	66	125	5580	5852	-1285	15855	0	15855	3096	18951	49.98
13	4842	1442	257	6541	279	4041	36	135	5397	6071	-1238	15865	0	15865	3052	18917	49.96
14	4866	1244	254	6364	318	4031	85	120	5240	5468	-1106	15280	0	15280	2916	18196	49.99
15	4951	1144	255	6350	452	4042	208	110	5238	5633	-1128	15667	0	15667	2940	18607	49.96
16	4941	963	247	6151	708	4031	208	90	5225	5608	-1115	15681	0	15681	2929	18610	50.00
17	4980	525	257	5762	1021	4036	208	43	4987	5292	-1112	15250	0	15250	2922	18172	49.96
18	4907	228	259	5394	1112	4032	207	21	4774	4637	-1152	14251	0	14251	2901	17152	49.98
19	4896	248	258	5402	1035	4008	155	3	4955	4774	-1151	14226	0	14226	2852	17078	50.00
20	4933	477	258	5668	900	4113	155	0	5115	5258	-1032	15062	0	15062	2840	17902	50.00
21	4945	163	247	5355	876	4068	155	0	5156	5164	-919	14699	0	14699	2711	17410	50.02
22	4776	124	258	5158	808	4002	155	0	5025	5232	-1095	14260	0	14260	2540	16800	50.04
23	4789	128	264	5181	740	3998	0	0	4748	4840	-983	13776	0	13776	2376	16152	50.02
24	4668	123	262	5053	634	4011	0	0	4617	4679	-917	13460	0	13460	2236	15696	50.00
MUs	114.74	15.62	6.18	136.54	13.13	97.71	1.70	0.99	120.00	127.10	-23.29	353.86	0.00	353.86	60.07	413.93	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 30/Aug/2016

Position as on 6.30 Hrs of 31/Aug/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57		Continued.	ID Fan Problem (Converted to Zero schedule by MSEDCL from 11-07-2016)	
IPP	Adani U-4	660	13/07/2016	02.22		Continued.	Zero Shedule By MSEDCL,Shedule Glven On 21/08/2016	
MSPGCL	Chandrapur Unit 9	500	11/08/2016	22.11		Continued.	Oil Shortage.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Uran Unit B0	120	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 3A	230	16/08/2016	17.24		Continued.	Change Over	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00		Continued.	High Vibration On LGB & UGB.	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Aug/2016

Position as on 6.30 Hrs of 31/Aug/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	28/08/2016	00.29	31/08/2016	11.52	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit-8	500	29/08/2016	20.15	30/08/2016	09.50	Generator Protection operated	
IPP	JSW (J) U1	300	30/08/2016	08.49		Continued.	For Rectification Of GTCB Y-Phase Spring Charge Motor Problem.	
MSPGCL	Bhusawal Unit 4	500	30/08/2016	09.35	31/08/2016	01.10	Air heater problem	
PGPL	PGPL U2	126	30/08/2016	21.11		Continued.	Gas shortage	
PGPL	PGPL U1	262	30/08/2016	21.11		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2016

Statement-VII

Position as on 6.30 Hrs of 31/Aug/2016

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							
Dabhol Newkoyana li	InterState	28/08/2016	10.34	30/08/2016	07.47	PO	Routine Maintenance Work
Kolhapur Solapur (PG) II	InterState	29/08/2016	18.04	30/08/2016	07.53	T	Over Voltage
Dabhol Nagothane I	InterState	30/08/2016	12.14	30/08/2016	13.04	T	Tripped During Operation Outage Padgha-Naghothane 1.
Kolhapur Solapur (PG) II	InterState	31/08/2016	01.08	31/08/2016	06.44	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	31/08/2016	19.07	31/08/2016	20.44	HT	Taking line reactor in service
Ektuni-Bableswhar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
Karad -kolhapur-I	IntraState	29/08/2016	16.14		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/08/2016	16.34	31/08/2016	10.19	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/08/2016	20.41	30/08/2016	07.09	HT	Over Voltage
Padghe - Nagothane - I	IntraState	30/08/2016	12.13	30/08/2016	18.16	PO	Annual Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	30/08/2016	18.03	31/08/2016	10.17	HT	Over Voltage
Deepnagar Taptitanda	IntraState	31/08/2016	02.05	31/08/2016	15.50	T	Distance Protection
Karad - Jaigad - II	IntraState	31/08/2016	16.40		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	31/08/2016	16.48		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	20/08/2016	11.06		Continued.	PO	Shifted on TBC, by hot line jumper open for construction of kudas bay ektuni CKT-2 will remain off during this outage period.
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 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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableswhar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Pusad-Ghatodi	IntraState	29/08/2016	22.12	30/08/2016	03.37	T	Outage On Wardha Yeotmal Ckt.
Wardha-Yeotmal	IntraState	29/08/2016	22.21	30/08/2016	02.54	PO	For REpl. Of Jumper From WT B Phase CT.
Karad(400kv) - Wathar	IntraState	30/08/2016	10.18	30/08/2016	18.20	PO	Disc Insulator Replacement Work
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	30/08/2016	10.50	30/08/2016	11.32	T	Distance Protection
Sonkhar - Trombay	IntraState	30/08/2016	18.55	31/08/2016	00.52	T	Distance Protection
Lamboti-Vita	IntraState	31/08/2016	05.52	31/08/2016	20.17	PO	construction work
Pandharpur - Malinagar	IntraState	31/08/2016	06.05	31/08/2016	20.25	PO	Annual Maintenance Work
Miraj - Mhaishal	IntraState	31/08/2016	10.05	31/08/2016	12.42	PO	Attending Hot Spot
Lamboti - Pandharpur li	IntraState	31/08/2016	12.38	31/08/2016	16.10	PO	Routine Maintenance Work
Kandalgaon - Bhira	IntraState	31/08/2016	13.00	31/08/2016	18.07	PO	Tree cutting work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
100 KV LINE Outages/Trippings							
Vasai-li - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.

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