

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Aug/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.714	2404.877	1) Gujrat	5.642	183.868
2) Hydro	9.410	351.870	2) Madhya Pradesh	13.385	384.827
3) Gas	6.124	203.908	3) Chattisgarh	5.200	180.340
Total MSPGCL	134.248	2960.655	4) Maharashtra Net	78.860	1929.223
B) 1) APML	56.470	1130.065	5) Goa (Amona)	-0.486	-17.969
2) JSWEL	23.177	615.118	6) TAPS 1&2 Injection	7.655	216.781
3) VIPL	12.197	297.103	7) RGPPL Injection	11.855	344.447
4) RPL(AMT)	0.000	0.000	8) Pench (MS)	0.534	9.174
5) WPCL	4.781	128.775	9) Pench (Excess)	-0.534	-9.174
6) PGPL	4.541	72.416	Total	121.577	3212.343
7) Other IPP	2.443	66.276	a) Mumbai Schedule	19.848	550.204
C) 1) TPCL Thermal	14.654	406.859	b) Mumbai Drawl	23.597	656.096
2) TPCL Hydro	5.922	163.689	c) MSEDCL Bilateral *	28.295	784.469
3) TPCL Gas	3.884	110.583	Include PX	-0.524	-34.475
4) R-INFRA Thermal	10.780	300.980	d) Mumbai Bilateral *	19.848	550.204
D) STATE			Include PX	0.126	44.092
1) Thermal	243.216	5350.053	Include Standby	0.000	0.000
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	15.332	515.559	1) MSEDCL	351.168	8952.777
3) Gas	14.549	386.907	2) Mumbai Discoms	58.837	1638.203
4) Wind	14.341	1101.297	TOTAL STATE	410.005	10590.980
6) SOLAR	0.990	24.825			
TOTAL STATE	288.428	7378.641			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5230	5299	5110	4576
MSPGCL Hydro	965	706	259	184
MSPGCL Gas	246	251	246	257
MSPGCL Total Generation	6441	6256	5615	5017
Central Sector Receipt	5665	5541	4929	4308
WIND	402	680	774	514
CPP / IPP Thermal	4324	4337	4468	3641
CPP / IPP Gas	284	286	42	208
SOLAR	114	88	0	0
Exchange with Mumbai	-1185	-1162	-1031	-614
MSEDCL DEMAND MET	16045	16026	14797	13074
Load Shedding	0	2	0	0
MSEDCL DEMAND	16045	16028	14797	13074
TPCL GENERATION	1285	1272	1264	630
R-INFRA GENERATION	505	508	504	404
MUMBAI DEMAND	2975	2942	2799	1648
STATE DEMAND MET	19020	18968	17596	14722
STATE DEMAND	19020	18970	17596	14722
Frequency (Hz)	49.98	49.95	49.99	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 13:01 Hrs	49.78 Hz at 12:40 Hrs	49.99	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 29/Aug/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.04	13.97	135	107
Unit 6	0.00	0.00	0	0
Unit 7	3.22	21.46	140	120
Unit 8	13.17	267.15	630	480
Total	19.43	302.58		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.14	65.21	500	350
Unit 5	10.14	61.17	500	350
Total	20.28	126.38		
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	4.33	83.76	195	165
Unit 4	4.09	87.05	179	165
Unit 5	9.44	251.62	424	360
Unit 6	0.00	228.06	0	0
Unit 7	9.48	255.45	418	360
Unit 8	8.21	182.36	470	0
Total	35.55	1088.30		
Paras				
Unit 3	5.65	99.67	251	208
Unit 4	5.47	146.52	250	198
Total	11.12	246.19		
Khaparkheda				
Unit 1	3.12	23.64	170	115
Unit 2	3.20	24.68	150	125
Unit 3	3.30	16.92	147	125
Unit 4	3.29	21.39	155	133
Unit 5	10.87	302.50	495	400
Total	23.78	389.13		
Nasik				
Unit 3	0.00	112.55	0	0
Unit 4	4.29	94.78	201	162
Unit 5	4.26	27.82	204	167
Total	8.55	235.15		
Uran				
All Units	6.12	203.91	264	240
Total	6.12	203.91		
PGPL				
Unit 1	2.74	44.94	183	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	1.80	27.47	107	0
Total	4.54	72.42		
PENCH (MS)				
Pench (MS)	0.53	9.17	27	14
Total	0.53	9.17		
Koyna				
Stage 1-2	3.98	108.66	440	40
Stage 4	0.30	88.44	159	0
Stage 3	1.77	60.43	160	0
Total	6.04	257.53		
Hydro				
KDPH	0.00	5.89	0	0
VTRNA	0.64	18.04	58	0
TILLARI	0.36	8.57	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.50	13.39	80	0
RNGR+BHTSA	0.17	4.62	16	0
BHANDARDRA	0.35	11.77	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.39	11.08	27	13
GHATGHAR	0.95	20.99	125	0
Total	3.37	94.34		
Wind				
Total	14.34	1101.30	0	0
Total	14.34	1101.30		
CPP				
APML(Mus)	56.47	1130.06	0	0
JSWEL(Mus)	23.18	615.12	0	0
VIPL(Mus)	12.20	297.10	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.78	128.78	0	0
Other(Mus)	2.44	66.28	0	0
Total	99.07	2237.34		
SOLAR				
Total	0.99	24.82	0	0
Total	0.99	24.82		
Tata				
Trombay 5	9.40	256.27	487	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.40	68.39	115	63
Trombay 7B	1.49	42.19	67	50
Trombay 8	5.26	150.59	241	200
TATA Hydro	5.92	163.69	387	93
Total	24.46	681.13		
R-INFRA				
1-2	10.78	300.98	509	402
Total	10.78	300.98		

* 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	118.71	2404.88
MSPGCL Thml+Gas	124.84	2608.78
MSPGCL Hydro	9.41	351.87

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	134.25	2960.66
Koyna 1,2 & 4 Total	4.28	197.10
State Total	288.43	7378.64

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 29/Aug/2016

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			THM	GAS										
1	4583	454	257	5294	671	3421	208	0	4306	4451	-762	13283	0	13283	1935	15218	49.96
2	4591	354	258	5203	563	3427	208	0	4351	4395	-722	13074	0	13074	1777	14851	49.98
3	4573	284	260	5117	534	3478	208	0	4247	4464	-649	13153	0	13153	1689	14842	49.98
4	4576	184	257	5017	514	3641	208	0	4143	4308	-614	13074	0	13074	1648	14722	49.97
5	4563	154	260	4977	653	3660	207	0	4280	4487	-610	13374	0	13374	1643	15017	49.96
6	4753	239	264	5256	696	3782	208	0	4573	4783	-706	14019	0	14019	1774	15793	50.00
7	4972	199	264	5435	518	4138	207	0	5002	5578	-832	15044	0	15044	2001	17045	50.01
8	5149	439	262	5850	323	4264	208	21	5194	5739	-807	15598	0	15598	2170	17768	50.05
9	5264	442	248	5954	324	4304	208	58	5360	5776	-876	15748	0	15748	2479	18227	50.01
10	5259	917	257	6433	364	4317	208	86	5305	5418	-1043	15783	0	15783	2799	18582	49.96
11	5230	965	246	6441	402	4324	284	114	5433	5665	-1185	16045	0	16045	2975	19020	49.98
12	5243	714	254	6211	325	4328	283	156	5593	5715	-1254	15764	2	15766	3051	18817	49.99
13	5296	453	254	6003	378	4315	287	143	5290	5693	-1210	15609	2	15611	3011	18622	49.95
14	5363	353	254	5970	453	4309	287	122	5243	5684	-1112	15713	2	15715	2893	18608	50.02
15	5334	548	240	6122	501	4311	286	91	5262	5572	-1134	15749	2	15751	2936	18687	49.97
16	5299	706	251	6256	680	4337	286	88	5061	5541	-1162	16026	2	16028	2942	18970	49.95
17	5331	313	253	5897	1036	4341	287	69	4814	4880	-1139	15371	2	15373	2928	18301	50.00
18	4914	194	253	5361	1059	4084	208	36	4593	4473	-1370	13851	2	13853	2852	16705	50.00
19	4976	325	254	5555	860	4009	210	6	4689	4641	-1222	14059	0	14059	2761	16820	49.96
20	5110	259	246	5615	774	4468	42	0	4840	4929	-1031	14797	0	14797	2799	17596	49.99
21	4701	316	256	5273	846	4489	0	0	4936	5220	-1101	14727	0	14727	2645	17372	50.01
22	4537	252	257	5046	635	4460	0	0	4784	4879	-1114	13906	0	13906	2515	16421	49.99
23	4538	214	263	5015	655	4465	0	0	4300	4610	-971	13774	0	13774	2359	16133	49.98
24	4559	132	256	4947	577	4397	0	0	4530	4676	-971	13626	0	13626	2255	15881	49.99
MUs	118.71	9.41	6.12	134.25	14.34	99.07	4.54	0.99	116.13	121.58	-23.60	351.17	0.01	351.18	58.84	410.02	49.99

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 29/Aug/2016

Position as on 6.30 Hrs of 30/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 29/Aug/2016

Position as on 6.30 Hrs of 30/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		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koyana Unit 5	80	28/08/2016	22.35	29/08/2016	01.05	Triped on low oil level.	
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		Continued.	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 29/Aug/2016

Statement-VII

Position as on 6.30 Hrs of 30/Aug/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400kv 1500 MVA ICT - I @ Aurangabad	IntraState	28/08/2016	22.27	29/08/2016	14.30	T	ICT tripped on duchhoalz relay operated.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	22/08/2016	19.53	29/08/2016	21.47	T	Buchholz Trip 330 MVA Converter Pole-2 Y-Phase T/F At Chandrapur End.
400 KV LINE Outages/Trippings							
Dabhol Newkoyna li	InterState	28/08/2016	10.34	30/08/2016	07.47	PO	Routine Maintenance Work
Dhule Sar'Sarovar II	InterState	28/08/2016	13.14	29/08/2016	21.38	PO	Routine Maintenance Work
Kolhapur Solapur (PG) II	InterState	28/08/2016	16.32	29/08/2016	07.09	HT	Over Voltage
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.
Ektuni-Bableshwar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
Khadka-Aurangabad (Waluj)	IntraState	26/08/2016	17.14	29/08/2016	08.01	HT	Over Voltage
karad -kolhapur-II	IntraState	27/08/2016	16.35	29/08/2016	07.01	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/08/2016	21.54	29/08/2016	09.51	HT	Over Voltage
karad -kolhapur-I	IntraState	29/08/2016	16.14		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	29/08/2016	16.34		Continued.	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		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 kodus 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
Bableshwar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Karad -Mudshingi Ckt- IV	IntraState	29/08/2016	10.05	29/08/2016	13.50	PO	Attending Hot Spot
Hamidwada-Mumewadi	IntraState	29/08/2016	11.10	29/08/2016	14.21	PO	Routine Maintenance Work
Kolhapur-Birdi	IntraState	29/08/2016	11.15	29/08/2016	16.17	PO	Routine Maintenance Work
Shivajinagar - Satana	IntraState	29/08/2016	15.41	29/08/2016	20.42	PO	For Connecting Tap line Jumper Which was already open for Maint.Purpose.
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		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							

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 29/Aug/2016

Statement-VII

Position as on 6.30 Hrs of 30/Aug/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/110KV, 200MVA T/F-III at Mudshingi	InterState	29/08/2016	13.47	29/08/2016	19.30	PO	HV for B-phase LA Replacement Work.
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)
220/132Kv 200MVA ICT-I @ Akola	IntraState	29/08/2016	12.12	29/08/2016	19.25	PO	Tan Delta Measurment of CTs
132/33 Kv 25 Mva Emco Ptr 1 @Akola	IntraState	29/08/2016	12.12	29/08/2016	19.25	PO	Measurment of Tan Delta and SFRA of ICT
220/100 Kv 200 MVA ICT I @Pal-Dombivali	IntraState	29/08/2016	13.20	29/08/2016	18.08	EO	For R-phase LV CT Hot spot attenmding work.
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.
Padghe - Mohane	IntraState	29/08/2016	11.25	29/08/2016	16.06	T	Distance Protection

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