

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Aug/2016 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.529	2286.163	1) Gujrat	4.939	178.226
2) Hydro	6.131	342.460	2) Madhya Pradesh	12.784	371.442
3) Gas	6.241	197.784	3) Chattisgarh	4.640	175.140
Total MSPGCL	129.901	2826.407	4) Maharashtra Net	78.083	1850.363
B) 1) APML	52.767	1073.595	5) Goa (Amona)	-0.388	-17.483
2) JSWEL	21.744	591.941	6) TAPS 1&2 Injection	7.649	209.126
3) VIPL	11.202	284.906	7) RGPPL Injection	11.929	332.592
4) RPL(AMT)	0.000	0.000	8) Pench (MS)	0.436	8.640
5) WPCL	3.398	123.994	9) Pench (Excess)	-0.436	-8.640
6) PGPL	4.988	67.875	Total	119.200	3090.766
7) Other IPP	2.387	63.833	a) Mumbai Schedule	17.132	530.356
C) 1) TPCL Thermal	10.782	392.205	b) Mumbai Drawl	19.414	632.499
2) TPCL Hydro	5.349	157.767	c) MSEDCL Bilateral *	26.693	756.174
3) TPCL Gas	3.655	106.699	Include PX	-0.708	-33.951
4) R-INFRA Thermal	9.662	290.200	d) Mumbai Bilateral *	17.132	530.356
D) STATE			Include PX	-0.117	43.966
1) Thermal	229.471	5106.837	Include Standby	0.000	0.000
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	11.480	500.227	1) MSEDCL	342.496	8601.609
3) Gas	14.884	372.358	2) Mumbai Discoms	48.862	1579.366
4) Wind	15.551	1086.956	TOTAL STATE	391.358	10180.975
6) SOLAR	0.772	23.835			
TOTAL STATE	272.158	7090.213			

* 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 5 Hrs
MSPGCL Thermal	5347	5426	4885	4638
MSPGCL Hydro	532	291	402	76
MSPGCL Gas	258	257	257	264
MSPGCL Total Generation	6137	5974	5544	4978
Central Sector Receipt	5370	5532	5034	4506
WIND	640	525	724	497
CPP / IPP Thermal	4240	4218	3784	3549
CPP / IPP Gas	207	207	208	208
SOLAR	113	94	0	0
Exchange with Mumbai	-973	-981	-857	-619
MSEDCL DEMAND MET	15734	15569	14437	13119
Load Shedding	2	2	0	0
MSEDCL DEMAND	15736	15571	14437	13119
TPCL GENERATION	901	891	1022	617
R-INFRA GENERATION	401	402	403	403
MUMBAI DEMAND	2275	2274	2282	1639
STATE DEMAND MET	18009	17843	16719	14758
STATE DEMAND	18011	17845	16719	14758
Frequency (Hz)	49.99	49.98	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 18:02 Hrs	49.76 Hz at 19:54 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 28/Aug/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.00	10.93	135	105
Unit 6	0.00	0.00	0	0
Unit 7	3.26	18.24	150	110
Unit 8	11.72	253.98	580	428
Total	17.98	283.15		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	9.69	55.07	500	360
Unit 5	9.64	51.02	500	360
Total	19.33	106.09		
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	4.23	79.43	193	163
Unit 4	4.04	82.96	178	157
Unit 5	9.28	242.18	430	365
Unit 6	0.10	228.06	100	100
Unit 7	8.94	245.96	420	239
Unit 8	9.75	174.16	450	351
Total	36.34	1052.75		
Paras				
Unit 3	5.42	94.02	256	196
Unit 4	5.22	141.05	250	190
Total	10.64	235.08		
Khaparkheda				
Unit 1	3.72	20.52	185	120
Unit 2	3.68	21.48	165	135
Unit 3	3.96	13.62	190	140
Unit 4	3.88	18.10	184	136
Unit 5	10.12	291.63	500	380
Total	25.36	365.35		
Nasik				
Unit 3	3.51	112.55	165	0
Unit 4	0.27	90.49	125	0
Unit 5	4.08	23.56	195	164
Total	7.87	226.60		
Uran				
All Units	6.24	197.78	273	252
Total	6.24	197.78		
PGPL				
Unit 1	2.90	42.20	122	121

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	2.08	25.68	88	86
Total	4.99	67.88		
PENCH (MS)				
Pench (MS)	0.44	8.64	27	0
Total	0.44	8.64		
Koyna				
Stage 1-2	2.08	104.68	325	40
Stage 4	0.00	88.14	0	0
Stage 3	1.10	58.66	160	0
Total	3.18	251.48		
Hydro				
KDPH	0.00	5.89	0	0
VTRNA	0.48	17.39	59	0
TILLARI	0.36	8.20	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.50	12.89	80	0
RNGR+BHTSA	0.00	4.45	0	0
BHANDARDRA	0.35	11.42	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	10.69	28	16
GHATGHAR	0.81	20.04	131	0
Total	2.96	90.98		
Wind				
Total	15.55	1086.96	0	0
Total	15.55	1086.96		
CPP				
APML(Mus)	52.77	1073.60	0	0
JSWEL(Mus)	21.74	591.94	0	0
VIPL(Mus)	11.20	284.91	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.40	123.99	0	0
Other(Mus)	2.39	63.83	0	0
Total	91.50	2138.27		
SOLAR				
Total	0.77	23.84	0	0
Total	0.77	23.84		
Tata				
Trombay 5	5.94	246.87	319	218
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.23	66.00	95	90
Trombay 7B	1.43	40.70	61	58
Trombay 8	4.84	145.33	245	165
TATA Hydro	5.35	157.77	347	65
Total	19.79	656.67		
R-INFRA				
1-2	9.66	290.20	404	401
Total	9.66	290.20		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	17.16	MSPGCL Thermal	117.53	2286.16	MSPGCL Total	129.90	2826.41
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	123.77	2483.95	Koyna 1,2 & 4 Total	2.08	192.82
Koradi 10	0.00	0.00	MSPGCL Hydro	6.13	342.46	State Total	272.16	7090.21
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	4709	82	267	5058	862	3442	208	0	4337	4666	-834	13402	0	13402	1990	15392	50.01
2	4634	82	263	4979	854	3445	209	0	4245	4461	-707	13241	0	13241	1791	15032	49.99
3	4656	87	265	5008	750	3450	208	0	4120	4436	-621	13231	0	13231	1697	14928	49.97
4	4647	97	264	5008	589	3514	209	0	4196	4429	-630	13119	0	13119	1649	14768	50.00
5	4638	76	264	4978	497	3549	208	0	4444	4506	-619	13119	0	13119	1639	14758	50.00
6	4735	124	273	5132	460	3552	208	0	4646	4857	-635	13574	0	13574	1701	15275	50.04
7	4866	206	262	5334	520	3755	208	1	5046	5312	-633	14497	0	14497	1749	16246	50.07
8	4910	316	263	5489	549	3900	208	22	5147	5592	-671	15089	2	15091	1810	16901	50.04
9	4784	503	262	5549	542	3933	208	51	5247	5615	-724	15174	2	15176	1950	17126	49.99
10	4946	698	261	5905	570	3960	208	90	5155	5632	-816	15549	2	15551	2096	17647	50.04
11	5091	652	259	6002	677	4202	207	101	5159	5390	-948	15631	2	15633	2259	17892	50.01
12	5347	532	258	6137	640	4240	207	113	5159	5370	-973	15734	2	15736	2275	18011	49.99
13	5426	291	257	5974	525	4218	207	94	5140	5532	-981	15569	2	15571	2274	17845	49.98
14	5456	150	258	5864	491	4205	209	96	5094	4973	-978	14860	2	14862	2198	17060	50.00
15	5367	153	255	5775	508	4221	208	84	5037	5241	-867	15170	0	15170	2141	17311	50.00
16	5342	211	259	5812	586	4222	208	76	4945	5326	-820	15410	0	15410	2099	17509	50.00
17	5033	93	256	5382	636	4114	208	32	4723	5065	-803	14634	0	14634	2062	16696	50.02
18	4599	158	252	5009	576	3702	207	12	4514	4626	-828	13304	0	13304	2083	15387	50.01
19	4607	269	257	5133	609	3569	207	0	4651	4793	-925	13386	0	13386	2165	15551	50.00
20	4885	402	257	5544	724	3784	208	0	4864	5034	-857	14437	0	14437	2282	16719	49.99
21	4984	174	255	5413	853	3929	208	0	4878	4619	-895	14127	0	14127	2303	16430	50.01
22	4671	138	256	5065	917	3758	208	0	4738	4515	-928	13535	0	13535	2275	15810	49.99
23	4622	226	259	5107	854	3432	208	0	4274	4610	-851	13360	0	13360	2218	15578	49.96
24	4574	411	259	5244	762	3399	207	0	4302	4600	-870	13342	0	13342	2156	15498	49.99
MUs	117.53	6.13	6.24	129.90	15.55	91.50	4.99	0.77	114.06	119.20	-19.41	342.50	0.01	342.51	48.86	391.37	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 28/Aug/2016

Position as on 6.30 Hrs of 29/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 B0	120	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Uran Unit 8	108	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 28/Aug/2016

Position as on 6.30 Hrs of 29/Aug/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	25/08/2016	18.40	28/08/2016	21.00	Zero Schedule given by MSEDCL.	
MSPGCL	Chandrapur Unit 6	500	28/08/2016	00.29		Continued.	Boiler Tube Leakage	
CPP	WPCL U-4	135	28/08/2016	09.30	28/08/2016	22.38	ID Fan Problem	
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		Continued.	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Aug/2016

Statement-VII

Position as on 6.30 Hrs of 29/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							
Kolhapur Solapur (PG) II	InterState	27/08/2016	17.22	28/08/2016	07.01	HT	Over Voltage
Dabhol Nagothane I	InterState	28/08/2016	04.49	28/08/2016	08.13	T	D.T Received at Dabhol
Dabhol Newkoyna li	InterState	28/08/2016	10.34		Continued.	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		Continued.	T	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
Chandrapur II - Chandrapur ckt 2	IntraState	24/08/2016	11.27	28/08/2016	17.52	PO	Routine Maintenance Work
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
Lonikand I - Koyna stage-IV	IntraState	28/08/2016	02.07	28/08/2016	11.49	HT	Over Voltage
Padghe - Nagothane - I	IntraState	28/08/2016	04.49	28/08/2016	08.43	T	D.T Received at padghe
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		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							
Borivali - Tarapur	InterState	28/08/2016	09.55	28/08/2016	20.13	PO	Outage taken for attending hot spot.
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
Bableshtar - Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Dahanu Versova	IntraState	28/08/2016	03.54	28/08/2016	19.58	T	Distance Protection
Chalisgaon - Deepnagar	IntraState	28/08/2016	14.37	28/08/2016	20.27	T	Distance Protection
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		Continued.	T	Outage On Wardha Yeotmal Ckt.

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 28/Aug/2016

Statement-VII

Position as on 6.30 Hrs of 29/Aug/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Wardha-Yeotmal	IntraState	29/08/2016	22.21		Continued.	PO	For REpl. Of Jumper From WT B Phase CT.
220 KV ICT Outages/Trippings							
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)
220/132 KV 100MVA ICT @ Kawlewadi	IntraState	28/08/2016	09.04	28/08/2016	09.50	T	PRV operated.
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
220/132Kv 200MVA ICT-I @ Akola	IntraState	29/08/2016	12.12	29/08/2016	19.25	PO	Tan Delta Measurment of CTs
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.
132 KV LINE Outages/Trippings							
Ghatodi-Digras-I	IntraState	28/08/2016	03.41	28/08/2016	04.10	T	Distance Protection
Ghatodi-Digras-I	IntraState	28/08/2016	05.01	28/08/2016	05.17	T	Distance Protection
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