

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	74.258	2264.087	1) Gujrat	7.922	-92.633
2) Hydro	5.369	209.463	2) Madhya Pradesh	19.297	388.129
3) Gas	9.792	210.815	3) Chattisgarh	7.500	201.420
Total MSPGCL	89.419	2684.365	4) Maharashtra Net	80.456	1879.297
B) 1) APLM	58.283	1356.899	5) Goa (Amona)	-0.616	-17.967
2) JSWEL	21.436	567.451	6) TAPS 1&2 Injection	2.953	87.085
3) VIPL	6.868	236.581	7) RGPPL Injection	11.643	320.591
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.271	5.686
5) WPCL	2.673	89.106	9) Pench (Excess)	-0.271	-5.686
6) Other IPP	2.727	68.924	Total	128.884	2760.236
C) 1) TPCL Thermal	16.250	422.080	a) Mumbai Schedule	18.706	562.670
2) TPCL Hydro	5.038	118.118	b) Mumbai Drawl	20.479	650.404
3) TPCL Gas	3.461	77.934	c) MSEDCL Bilateral *	33.278	780.099
4) R-INFRA Thermal	10.716	298.944	Include PX	0.000	-141.814
D) STATE			d) Mumbai Bilateral *	18.706	562.670
1) Thermal	193.211	5307.729	Include PX	4.247	67.940
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.407	327.581	H) ENERGY CATERED (MUs)		
3) Gas	13.253	288.749	1) MSEDCL	299.304	8007.221
4) Wind	8.737	869.508	2) Mumbai Discoms	55.944	1567.480
6) SOLAR	0.756	20.898	TOTAL STATE	355.248	9574.701
TOTAL STATE	226.364	6814.465			

* 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	3191	3074	3040	3152
MSPGCL Hydro	512	63	870	63
MSPGCL Gas	411	424	382	399
MSPGCL Total Generation	4114	3561	4292	3614
Central Sector Receipt	6023	5947	5909	4346
WIND	298	401	515	246
CPP / IPP	3876	3886	3855	3818
SOLAR	74	91	0	0
Exchange with Mumbai	-1184	-1309	-913	-576
MSEDCL DEMAND MET	13201	12577	13658	11448
Load Shedding	0	0	0	0
MSEDCL DEMAND	13201	12577	13658	11448
TPCL GENERATION	1204	1162	1203	659
R-INFRA GENERATION	510	424	507	402
MUMBAI DEMAND	2898	2895	2623	1637
STATE DEMAND MET	16099	15472	16281	13085
STATE DEMAND	16099	15472	16281	13085
Frequency (Hz)	49.99	49.98	49.96	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.04 Hrs	49.82 Hz at 06.11 Hrs	49.98	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/Jul/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.32	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.60	0	0
Unit 8	8.81	324.96	399	330
Total	8.81	325.88		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	30.01	0	0
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	0.00	48.11		
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	3.63	103.24	165	132
Unit 4	3.43	105.71	167	115
Unit 5	7.16	190.43	335	240
Unit 6	8.32	249.78	378	325
Unit 7	7.52	204.22	344	279
Unit 8	7.35	149.73	371	204
Total	37.41	1003.11		
Paras				
Unit 3	5.75	146.69	252	185
Unit 4	1.72	135.18	237	0
Total	7.46	281.87		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	19.12	0	0
Unit 3	0.00	19.82	0	0
Unit 4	0.00	28.00	0	0
Unit 5	11.98	299.83	501	490
Total	11.98	366.77		
Nasik				
Unit 3	4.32	117.86	200	165
Unit 4	0.00	0.00	0	0
Unit 5	4.28	117.10	196	162
Total	8.60	234.96		
Uran				
All Units	9.79	210.82	437	379
Total	9.79	210.82		
PENCH (MS)				
Pench (MS)	0.27	5.69	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.27	5.69		
Koyna				
Stage 1-2	2.55	78.95	470	40
Stage 4	0.92	29.51	334	0
Stage 3	0.98	45.45	160	0
Total	4.45	153.91		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	4.12	0	0
TILLARI	0.00	7.56	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	11.46	80	0
RNGR+BHTSA	0.00	0.15	0	0
BHANDARDRA	0.00	8.31	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.07	1.75	4	3
GHATGHAR	0.39	22.19	125	0
Total	0.92	55.55		
Wind				
Total	8.74	869.51	0	0
Total	8.74	869.51		
CPP				
APML(Mus)	58.28	1356.90	0	0
JSWEL(Mus)	21.44	567.45	0	0
VIPL(Mus)	6.87	236.58	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	2.67	89.11	0	0
Other(Mus)	2.73	68.92	0	0
Total	91.99	2322.62		
SOLAR				
Total	0.76	20.90	0	0
Total	0.76	20.90		
Tata				
Trombay 5	10.59	270.17	483	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.08	48.74	115	75
Trombay 7B	1.38	29.19	66	54
Trombay 8	5.66	151.91	249	200
TATA Hydro	5.04	118.12	351	72
Total	24.75	618.13		
R-INFRA				
1-2	10.72	298.94	511	401
Total	10.72	298.94		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	1.92
Koradi 9	0.00	0.00
Koradi 10	0.00	1.46
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	74.26	2264.09
MSPGCL Thml+Gas	84.05	2474.90
MSPGCL Hydro	5.37	209.46

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	89.42	2684.36
Koyna 1,2 & 4 Total	3.47	108.46
State Total	226.36	6814.46

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 28/Jul/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													
1	3101	48	398	3547	248	3885	0	4842	4559	-623	11616	0	11616	1914	13530	49.95
2	3070	48	388	3506	221	3902	0	4804	4419	-515	11533	0	11533	1727	13260	49.99
3	3152	63	399	3614	246	3818	0	4912	4346	-576	11448	0	11448	1637	13085	49.97
4	3163	48	422	3633	263	3629	0	4938	4551	-542	11534	0	11534	1595	13129	49.99
5	3091	43	410	3544	262	3658	0	5029	4825	-550	11739	0	11739	1598	13337	49.98
6	3111	194	437	3742	179	3819	0	5179	5116	-544	12312	0	12312	1726	14038	49.97
7	3224	704	437	4365	239	3897	6	5223	4884	-384	13007	0	13007	1888	14895	49.97
8	3279	632	427	4338	195	3913	21	5609	5393	-427	13433	0	13433	2023	15456	49.96
9	3079	117	437	3633	314	3890	39	6226	5909	-694	13091	0	13091	2372	15463	49.94
10	3070	257	426	3753	297	3878	54	6311	6202	-953	13231	0	13231	2692	15923	49.95
11	3191	512	411	4114	298	3876	74	6050	6023	-1184	13201	0	13201	2898	16099	49.99
12	3016	270	406	3692	347	3896	78	6017	5963	-1241	12735	0	12735	2927	15662	49.97
13	3074	63	424	3561	401	3886	91	5893	5947	-1309	12577	0	12577	2895	15472	49.98
14	3068	43	406	3517	267	3827	105	5735	5541	-1178	12079	0	12079	2731	14810	50.01
15	3067	48	419	3534	264	3816	108	5651	5336	-1164	11894	0	11894	2748	14642	49.96
16	3015	58	397	3470	291	3789	79	5626	5987	-1127	12489	0	12489	2751	15240	49.99
17	3052	53	407	3512	356	3801	58	5496	5679	-1137	12269	0	12269	2763	15032	49.97
18	2970	48	420	3438	372	3827	34	5359	5455	-1122	12004	0	12004	2729	14733	49.97
19	3104	195	392	3691	468	3834	9	5594	5498	-1040	12460	0	12460	2663	15123	49.94
20	3040	870	382	4292	515	3855	0	5698	5909	-913	13658	0	13658	2623	16281	49.96
21	3082	705	379	4166	611	3855	0	5739	5834	-790	13676	0	13676	2495	16171	50.02
22	3080	240	391	3711	625	3853	0	5675	5517	-726	12980	0	12980	2316	15296	50.00
23	3080	61	386	3527	683	3817	0	5527	5319	-897	12449	0	12449	2174	14623	50.01
24	3079	49	391	3519	775	3764	0	5244	4672	-843	11887	0	11887	2059	13946	50.04
MUs	74.26	5.37	9.79	89.42	8.74	91.99	0.76	132.38	128.88	-20.48	299.30	0.00	299.30	55.94	355.25	49.98

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/Jul/2016

Position as on 6.30 Hrs of 29/Jul/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	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Capital Overhaul.	
IPP	JSW (J) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
MSPGCL	Khaparkheda Unit 1	210	25/06/2016	23.45		Continued.	Zero Schedule by MSEDCL from 00.00Hrs Dt.19-7-16 and A.O.H from 25/06/2016 to 18/07/2016	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	A.O.H from 19/07/2016 and Zero Shedule By MSEDCL from 1/07/2016 to 18/07/2016.	
IPP	VIPL U-2	300	15/07/2016	00.16		Continued.	Genrator Inspection.	
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 Shedule 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.	
MSPGCL	Koradi Unit 5	200	01/07/2016	02.23		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 7	210	01/07/2016	04.43		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Jul/2016

Position as on 6.30 Hrs of 29/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 5	500	01/07/2016	23.59		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Khaparkheda Unit 2	210	05/07/2016	23.46		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	05/07/2016	23.52		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	08/07/2016	03.07		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.	
RGPPL	Dabhol 3B	230	18/07/2016	12.40		Continued.	Tripped.	
IPP	WPCL U-3	135	21/07/2016	00.02		Continued.	Boiler Tube Leakage	
RGPPL	Dabhol 2B	230	24/07/2016	17.13		Continued.	Change Over	
MSPGCL	Paras Unit 4	250	28/07/2016	08.32	28/07/2016	23.05	Furnace Pressure High	

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

Statement-VII

Position as on 6.30 Hrs of 29/Jul/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							
Dhule Sar'Sarovar I	InterState	27/07/2016	13.15	28/07/2016	05.46	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/07/2016	18.33	28/07/2016	07.24	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	28/07/2016	21.29		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/07/2016	21.52		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	29/07/2016	03.01		Continued.	T	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Khadka- Deepnagar Ckt 2	IntraState	22/07/2016	18.59	28/07/2016	07.37	HT	Over Voltage
karad -kolhapur-II	IntraState	26/07/2016	13.13		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/07/2016	13.09		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/07/2016	21.07		Continued.	HT	Over Voltage
Main Bus-I @ Koradi-II	IntraState	28/07/2016	10.10	28/07/2016	21.31	PO	Routine Maintenance Work
New Koyna - Koyna Stage IV-II	IntraState	28/07/2016	11.17		Continued.	PO	PLCC Direct and permissive trials(RFC 19.22Hrs)
Khadka- Deepnagar Ckt 1	IntraState	28/07/2016	21.47		Continued.	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 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.
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02		Continued.	HT	Hand Tripped.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableshwar- Alephata	IntraState	24/07/2016	07.57		Continued.	HT	Load Diversion.
Kandalgaon - Pirangut	IntraState	28/07/2016	08.08	28/07/2016	19.30	PO	Polymer Insulator replacement work
Jejuri (400 Kv)-Phurusungi	IntraState	28/07/2016	09.30	28/07/2016	19.34	PO	Routine Maintenance Work
New Koyna - Niwali	IntraState	28/07/2016	10.06	28/07/2016	14.10	PO	Routine Maintenance Work
Badnera - Nandgaonpeth	IntraState	28/07/2016	10.35	28/07/2016	19.25	EO	To attend Hot Spot
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)
220/132KV 100MVA -1@Alephata	IntraState	28/07/2016	10.45	28/07/2016	13.35	EO	To attend Hot Spot
132 KV LINE Outages/Trippings							
Ujani - Ausa	IntraState	27/07/2016	22.35	28/07/2016	10.30	T	Distance Protection
Himayatnagar - Tamsa	IntraState	28/07/2016	06.00	28/07/2016	06.10	T	Distance Protection
Ujani - Ausa	IntraState	28/07/2016	17.20	28/07/2016	17.46	T	Distance Protection
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.

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