

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Jul/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	81.934	1250.415	1) Gujrat	-1.822	-128.537
2) Hydro	5.973	88.169	2) Madhya Pradesh	17.979	158.192
3) Gas	8.315	103.529	3) Chattisgarh	7.570	101.320
Total MSPGCL	96.222	1442.113	4) Maharashtra Net	75.545	825.172
B) 1) APML	39.646	745.453	5) Goa (Amona)	-0.735	-10.969
2) JSWEL	20.943	290.482	6) TAPS 1&2 Injection	3.661	52.340
3) VIPL	7.297	149.448	7) RGPPL Injection	11.496	171.258
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.262	3.267
5) WPCL	2.598	46.511	9) Pench (Excess)	-0.262	-3.267
6) Other IPP	2.174	36.910	Total	113.432	1165.509
C) 1) TPCL Thermal	16.013	217.662	a) Mumbai Schedule	23.525	299.454
2) TPCL Hydro	4.504	49.244	b) Mumbai Drawl	23.774	364.186
3) TPCL Gas	2.936	57.425	c) MSEDCL Bilateral *	31.123	346.829
4) R-INFRA Thermal	11.429	154.811	Include PX	-2.073	-139.922
D) STATE			d) Mumbai Bilateral *	23.525	299.454
1) Thermal	182.034	2895.349	Include PX	5.860	12.621
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.477	137.413	H) ENERGY CATERED (MUs)		
3) Gas	11.251	160.954	1) MSEDCL	284.998	4165.205
4) Wind	25.496	638.862	2) Mumbai Discoms	58.656	843.327
6) SOLAR	0.964	10.446	TOTAL STATE	343.654	5008.532
TOTAL STATE	230.222	3843.024			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3662	3212	3595	3271
MSPGCL Hydro	123	167	581	45
MSPGCL Gas	434	354	276	402
MSPGCL Total Generation	4219	3733	4452	3718
Central Sector Receipt	5599	4990	5226	4360
WIND	1132	1210	1268	761
CPP / IPP	3230	3064	3181	2770
SOLAR	92	116	0	0
Exchange with Mumbai	-1228	-1318	-935	-706
MSEDCL DEMAND MET	13044	11794	13192	10903
Load Shedding	0	0	0	0
MSEDCL DEMAND	13044	11794	13192	10903
TPCL GENERATION	1033	1174	1209	624
R-INFRA GENERATION	506	509	511	402
MUMBAI DEMAND	2767	3001	2655	1732
STATE DEMAND MET	15811	14796	15847	12635
STATE DEMAND	15811	14796	15847	12635
Frequency (Hz)	49.92	50.01	49.99	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06.01 Hrs	49.77 Hz at 09.11 Hrs	49.97	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 15/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	13.58	182.10	665	490
Total	13.58	183.02		
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	3.67	53.58	180	130
Unit 4	4.02	56.16	182	155
Unit 5	7.56	124.87	335	300
Unit 6	9.12	128.59	420	350
Unit 7	8.15	117.01	371	315
Unit 8	6.73	54.24	361	203
Total	39.24	534.45		
Paras				
Unit 3	5.31	73.47	250	200
Unit 4	4.25	71.12	235	0
Total	9.56	144.59		
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	11.14	148.28	500	400
Total	11.14	215.23		
Nasik				
Unit 3	4.20	61.06	195	160
Unit 4	0.00	0.00	0	0
Unit 5	4.21	60.57	196	165
Total	8.41	121.62		
Uran				
All Units	8.32	103.53	439	262
Total	8.32	103.53		
PENCH (MS)				
Pench (MS)	0.26	3.27	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.26	3.27		
Koyna				
Stage 1-2	3.16	30.63	485	40
Stage 4	0.49	4.56	214	0
Stage 3	1.27	21.63	188	0
Total	4.92	56.82		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	3.75	0	0
TILLARI	0.63	6.18	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.42	5.93	80	0
RNGR+BHTSA	0.00	0.12	0	0
BHANDARDRA	0.00	4.99	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.00	10.38	0	0
Total	1.05	31.35		
Wind				
Total	25.50	638.86	0	0
Total	25.50	638.86		
CPP				
APML(Mus)	39.65	745.45	0	0
JSWEL(Mus)	20.94	290.48	0	0
VIPL(Mus)	7.30	149.45	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	2.60	46.51	0	0
Other(Mus)	2.17	36.91	0	0
Total	72.66	1272.46		
SOLAR				
Total	0.96	10.45	0	0
Total	0.96	10.45		
Tata				
Trombay 5	10.42	137.27	487	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.73	36.17	105	59
Trombay 7B	1.20	21.25	58	45
Trombay 8	5.59	80.40	248	203
TATA Hydro	4.50	49.24	387	9
Total	23.45	324.33		
R-INFRA				
1-2	11.43	154.81	511	402
Total	11.43	154.81		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	1.92	MSPGCL Thermal	81.93	1250.42	MSPGCL Total	96.22	1442.11
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	90.25	1353.94	Koyna 1,2 & 4 Total	3.65	35.19
Koradi 10	0.00	1.46	MSPGCL Hydro	5.97	88.17	State Total	230.22	3843.02
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Jul/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													
1	3358	45	388	3791	693	3125	0	4232	4302	-806	11105	0	11105	1978	13083	49.96
2	3287	40	390	3717	711	2880	0	4066	4456	-784	10980	0	10980	1822	12802	49.98
3	3271	45	402	3718	761	2770	0	3737	4360	-706	10903	0	10903	1732	12635	49.94
4	3292	55	407	3754	753	2765	0	3630	4348	-660	10960	0	10960	1687	12647	49.98
5	3303	60	415	3778	779	2765	0	3822	4585	-647	11260	0	11260	1693	12953	49.95
6	3280	215	424	3919	788	2821	0	4137	5036	-710	11854	0	11854	1798	13652	49.95
7	3644	330	434	4408	704	3114	7	4404	5037	-794	12476	0	12476	1953	14428	49.96
8	3691	200	420	4311	714	3223	34	4757	5318	-769	12831	0	12831	2138	14969	50.03
9	3761	165	439	4365	982	3278	74	5127	5422	-947	13174	0	13174	2361	15535	49.99
10	3662	123	434	4219	1132	3230	92	5258	5599	-1228	13044	0	13044	2767	15811	49.92
11	3597	185	386	4168	1094	3126	116	5228	5230	-1273	12461	0	12461	2963	15424	50.01
12	3465	191	385	4041	1141	3201	128	5207	4909	-1345	12075	0	12075	3029	15104	49.98
13	3212	167	354	3733	1210	3064	116	4997	4990	-1318	11794	0	11794	3001	14796	50.01
14	3085	105	279	3469	1330	2934	106	4739	4737	-1181	11396	0	11396	2887	14282	49.98
15	3103	90	277	3470	1270	2940	121	4711	4805	-1184	11422	0	11422	2922	14344	49.92
16	3271	171	293	3735	1435	2914	95	4542	4300	-1186	11292	0	11292	2934	14226	49.98
17	3267	160	276	3703	1676	2889	42	4150	4185	-1166	11329	0	11329	2917	14246	49.94
18	3181	583	263	4027	1491	2805	26	3704	3637	-1123	10863	0	10863	2849	13712	49.98
19	3232	421	275	3928	1296	2686	7	4572	4184	-1100	11002	0	11002	2741	13742	50.00
20	3612	849	285	4746	1175	2924	0	4930	4975	-994	12826	0	12826	2715	15541	49.92
21	3595	581	276	4452	1268	3181	0	4932	5226	-935	13192	0	13192	2655	15847	49.99
22	3648	559	262	4469	973	3333	0	4484	5107	-904	12978	0	12978	2461	15439	49.97
23	3630	350	276	4256	1054	3348	0	4086	4439	-1033	12064	0	12064	2424	14488	49.99
24	3487	283	275	4045	1066	3344	0	4369	4245	-981	11718	0	11718	2229	13948	50.01
MUs	81.93	5.97	8.32	96.22	25.50	72.66	0.96	107.82	113.43	-23.77	285.00	0.00	285.00	58.66	343.65	49.97

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 15/Jul/2016

Position as on 6.30 Hrs of 16/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	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
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	Khaparkhedda Unit 1	210	25/06/2016	23.45		Continued.	A.O.H.	
MSPGCL	Koyna Unit 8	80	29/06/2016	08.20		Continued.	Turbine Maintenance Work.	
MSPGCL	Koyna STG- IV Unit - 1	250	29/06/2016	09.00	15/07/2016	15.20	Attending Servo Motor Oil Leakage(15 Days).	
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	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
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.	
RGPL	Dabhol 2B	230	20/06/2016	13.03		Continued.	Change Over.	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Jul/2016

Position as on 6.30 Hrs of 16/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	Zero Shedule By MSEDCL.	
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	WPCL U-3	135	12/07/2016	15.25	15/07/2016	22.05	Wet Coal	
IPP	Adani U-4	660	13/07/2016	02.22		Continued.	Zero Shedule By MSEDCL.	
IPP	Adani U-1	660	13/07/2016	02.29		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Paras Unit 4	250	15/07/2016	11.56	15/07/2016	14.34	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 16/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							
Chandrapur Bhadravati III	InterState	10/07/2016	21.01		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	13/07/2016	21.44		Continued.	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	14/07/2016	21.08	15/07/2016	09.22	T	Bus Bar-II Protection Operated due to Maloperation of Radss Relay.
Kolhapur Solapur (PG) II	InterState	15/07/2016	02.02	15/07/2016	06.40	T	Over Voltage
Dhule Sar'Sarovar I	InterState	15/07/2016	12.19		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/06/2016	13.12		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Bhusawal-Aurangabad	IntraState	02/07/2016	16.24		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	05/07/2016	08.36	15/07/2016	07.34	PO	Maintenance Work (RFC @ 18.37 Hrs dt 7.7.16)
Khadka- Deepnagar Ckt 1	IntraState	12/07/2016	13.11		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	13/07/2016	03.35		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	14/07/2016	11.33		Continued.	PO	On TBC @ Kalwa End to Attend Hot Spot.
Lonikand I - Koyna stage-IV	IntraState	14/07/2016	23.20		Continued.	HT	Over Voltage
Dhule - Bableswhar - li	IntraState	15/07/2016	10.21	15/07/2016	19.50	PO	Bay Maint. Work.
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	24/06/2016	19.25		Continued.	PO	shifted on TBC for main bus 1&2 outage
220 KV LINE Outages/Trippings							
Boisar(MS) - Boisar (PG) - I	InterState	15/07/2016	11.19		Continued.	PO	MK Box Replacement work.
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
Waluj - Degaon Rangari	IntraState	08/07/2016	07.30	15/07/2016	09.33	PO	Due to 400kv Aurangabad ICT-III Outage.
Dahanu-Viraj	IntraState	13/07/2016	14.02		Continued.	HT	To control Kalwa-Borivali Line Load
Phursungi-Serum	IntraState	14/07/2016	09.02	15/07/2016	19.41	PO	Routine Maintenance Work
Jejuri (400 Kv)-Jenjuri- li	IntraState	14/07/2016	09.25		Continued.	PO	Maintenance Work.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	15/07/2016	05.48	15/07/2016	06.03	T	Distance Protection
New Koyna - Niwali	IntraState	15/07/2016	11.20	15/07/2016	18.05	PO	R & M Wrok.
Padghe - Wada	IntraState	15/07/2016	11.32	15/07/2016	17.08	PO	Distance Relay Testing Work
Padghe - Wada	IntraState	15/07/2016	17.08		Continued.	T	Y Phase CT Burst load affected at Wada Line.
Wada - Bhavghar	IntraState	15/07/2016	17.10	15/07/2016	17.41	T	Backup Protection
Nashik-Airoli Knowledge Park	IntraState	15/07/2016	17.18	15/07/2016	19.53	EO	Testing 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)
220/132 Kv 200 MVA ICT II @Kalmeshwar	IntraState	14/07/2016	10.51		Continued.	PO	Replacement of LV Side B Ph CT Replacement due to High Tan

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 15/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 16/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Delta Value.
220/110 Kv 200 Mva Vel Ptr 1 @Kolhapur-li (Mudshingi)	IntraState	15/07/2016	10.09		Continued.	PO	R & M Wrok.
220/100 Kv 200 Mva Alstom lct 2 @Apta	IntraState	15/07/2016	12.24	15/07/2016	15.49	PO	Distance Relay Testing Work
132 KV LINE Outages/Trippings							
Eklahara (Ocr)-Adgaon	IntraState	14/07/2016	08.42		Continued.	T	132 KV Bus Bar Operated.
100 KV LINE Outages/Trippings							
Vasai-li - 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