

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Jul/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	94.009	1544.835	1) Gujrat	7.269	69.403
2) Hydro	7.435	169.352	2) Madhya Pradesh	21.706	259.331
3) Gas	6.493	103.882	3) Chattisgarh	7.760	93.980
Total MSPGCL	107.937	1818.069	4) Maharashtra Net	126.113	1631.854
B) 1) APML	43.100	832.730	5) Goa	-6.895	-109.125
2) JSWEL	20.918	300.305	6) TAPS 1&2 Injection	2.840	45.970
3) VIPL	5.833	183.524	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	13.270	231.894	8) Pench (MS)	0.389	3.388
5) WPCL	4.102	49.880	9) Pench (Excess)	-0.389	-3.000
6) Other IPP	3.938	63.810	Total	158.404	1988.413
C) 1) TPCL Thermal	17.635	276.801	a) Mumbai Schedule	27.199	444.548
2) TPCL Hydro	3.592	54.721	b) Mumbai Drawl	27.743	457.230
3) TPCL Gas	4.342	59.606	c) MSEDCL Bilateral *	64.891	577.845
4) R-INFRA Thermal	12.357	154.390	Include PX	25.243	136.975
D) STATE			d) Mumbai Bilateral *	27.199	444.548
1) Thermal	215.162	3638.169	Include PX	8.813	70.645
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	11.027	224.073	H) ENERGY CATERED (MUs)		
3) Gas	10.835	163.488	1) MSEDCL	365.016	5605.077
4) Wind	34.233	573.428	2) Mumbai Discoms	65.667	1002.752
6) SOLAR	1.024	17.254	TOTAL STATE	430.683	6607.829
TOTAL STATE	272.281	4616.412			

* 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 15 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	3794	4065	4142	3812
MSPGCL Hydro	580	113	371	63
MSPGCL Gas	270	270	270	271
MSPGCL Total Generation	4644	4448	4783	4146
Central Sector Receipt	7776	7389	6117	5800
WIND	1599	1562	1412	1363
CPP / IPP	3689	3803	3706	3524
SOLAR	116	97	0	0
Exchange with Mumbai	-1492	-1463	-1162	-656
MSEDCL DEMAND MET	16332	15836	14856	14177
Load Shedding	129	99	64	61
MSEDCL DEMAND	16461	15935	14920	14238
TPCL GENERATION	1229	1227	1175	901
R-INFRA GENERATION	507	515	517	517
MUMBAI DEMAND	3228	3205	2854	2074
STATE DEMAND MET	19560	19041	17710	16251
STATE DEMAND	19689	19140	17774	16312
Frequency (Hz)	49.96	49.91	49.95	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 10:06 Hrs	49.74 Hz at 13:38 Hrs	49.96	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 16/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	17.13	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.97	46.38	185	150
Total	3.97	63.51		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	58.89	0	0
Unit 4	8.71	131.39	500	0
Unit 5	10.83	145.06	500	380
Total	19.54	335.34		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.18	0	0
Unit 5	0.00	19.87	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	37.92	0	0
Total	0.00	57.96		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.49	55.66	156	137
Unit 3	4.46	69.59	198	170
Unit 4	4.25	66.01	185	156
Unit 5	8.68	114.27	400	305
Unit 6	0.00	0.00	0	0
Unit 7	8.78	139.69	374	354
Total	29.66	445.22		
Paras				
Unit 3	5.24	82.79	228	199
Unit 4	5.74	83.09	260	218
Total	10.98	165.88		
Khaparkheda				
Unit 1	2.80	56.99	135	95
Unit 2	3.48	58.61	165	110
Unit 3	4.06	62.34	181	150
Unit 4	0.00	0.00	0	0
Unit 5	10.30	160.39	489	360
Total	20.65	338.33		
Nasik				
Unit 3	4.66	74.40	200	185
Unit 4	4.55	64.19	195	185
Unit 5	0.00	0.00	0	0
Total	9.21	138.59		
Uran				
All Units	6.49	103.88	279	254
Total	6.49	103.88		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.39	3.39	49	0
Total	0.39	3.39		
Koyna				
Stage 1-2	2.47	68.86	380	40
Stage 4	1.68	53.20	417	0
Stage 3	1.79	28.47	240	0
Total	5.94	150.54		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.55	0	0
BHTGR/VEER	0.07	0.93	4	3
BHIRA T.R.	0.24	3.56	80	0
RNGR+BHTSA	0.23	2.58	10	9
BHANDARDRA	0.00	0.06	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.03	1.38	9	0
GHATGHAR	0.92	9.76	250	0
Total	1.50	18.82		
Wind				
Total	34.23	573.43	0	0
Total	34.23	573.43		
CPP				
APML(Mus)	43.10	832.73	0	0
JSWEL(Mus)	20.92	300.30	0	0
VIPL(Mus)	5.83	183.52	0	0
RPLAMT(Mus)	13.27	231.89	0	0
WPCL(Mus)	4.10	49.88	0	0
Other(Mus)	3.94	63.81	0	0
Total	91.16	1662.14		
SOLAR				
Total	1.02	17.25	0	0
Total	1.02	17.25		
Tata				
Trombay 5	11.72	175.75	496	459
Trombay 6	0.00	8.40	0	0
Trombay 7A	2.75	36.60	115	114
Trombay 7B	1.59	23.00	67	66
Trombay 8	5.91	92.65	250	230
TATA Hydro	3.59	54.72	306	0
Total	25.57	391.13		
R-INFRA				
1-2	12.36	154.39	518	506
Total	12.36	154.39		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	94.01	1544.84
MSPGCL Thml+Gas	100.50	1648.72

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.44	169.35
MSPGCL Total	107.94	1818.07

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.15	122.06
State Total	272.28	4616.41

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/Jul/2015

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	3547	679	278	4504	1240	4055	0	6140	6282	-1081	15000	74	15074	2522	17596	49.95
2	3535	611	279	4425	1233	4016	0	5934	6326	-855	15145	61	15206	2326	17532	49.94
3	3542	295	269	4106	1305	4055	0	5946	6031	-757	14740	61	14801	2185	16986	49.86
4	3615	63	277	3955	1377	4290	0	5900	6159	-676	15105	61	15166	2103	17269	49.95
5	3812	63	271	4146	1363	3524	0	5886	5800	-656	14177	61	14238	2074	16312	49.96
6	3865	58	272	4195	1342	3733	0	6294	6467	-710	15027	91	15118	2134	17252	50.01
7	3928	117	270	4315	1315	4014	6	6704	6712	-758	15604	212	15816	2191	18007	49.98
8	3958	72	271	4301	1134	4062	27	7047	7350	-875	15999	209	16208	2310	18518	50.00
9	4068	93	277	4438	1436	3970	75	7255	7331	-1136	16114	187	16301	2590	18891	50.00
10	3975	432	254	4661	1464	3708	108	7456	7533	-1389	16085	159	16244	2959	19203	50.00
11	3760	540	266	4566	1518	3659	100	7642	7887	-1530	16200	127	16327	3206	19533	50.02
12	3794	580	270	4644	1599	3689	116	7548	7776	-1492	16332	129	16461	3228	19689	49.96
13	3830	393	270	4493	1391	3689	162	7315	7315	-1479	15571	126	15697	3225	18922	49.94
14	3849	342	270	4461	1484	3621	94	6836	7252	-1399	15513	105	15618	3150	18768	49.91
15	4065	113	270	4448	1562	3803	97	6977	7389	-1463	15836	99	15935	3205	19140	49.91
16	4173	239	270	4682	1601	3725	112	7067	7175	-1482	15813	98	15911	3224	19135	49.94
17	4100	198	269	4567	1676	3736	72	6872	6913	-1468	15496	91	15587	3190	18777	49.95
18	3965	269	270	4504	1516	3565	45	5801	6115	-1361	14384	85	14469	3098	17567	50.00
19	4046	645	268	4959	1561	3605	10	5317	5266	-1201	14200	54	14254	2943	17197	49.96
20	4178	363	270	4811	1391	3729	0	5755	5540	-1195	14276	66	14342	2895	17237	49.95
21	4142	371	270	4783	1412	3706	0	5877	6117	-1162	14856	64	14920	2854	17774	49.95
22	4105	302	270	4677	1422	3766	0	5902	5694	-1194	14365	62	14427	2727	17154	49.96
23	4181	225	271	4677	1433	3796	0	6006	5851	-1226	14531	62	14593	2689	17282	49.93
24	3976	372	271	4619	1458	3645	0	5998	6123	-1198	14647	59	14706	2641	17347	49.98
MUs	94.01	7.44	6.49	107.94	34.23	91.16	1.02	155.48	158.40	-27.74	365.02	2.40	367.42	65.67	433.09	49.96

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 16/Jul/2015

Position as on 6.30 Hrs of 17/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling work	
MSPGCL	Chandrapur Unit 6	500	09/06/2015	23.58		Continued.	COH	
MSPGCL	Khaparkheda Unit 4	210	19/06/2015	23.57	17/07/2015	01.34	Annual Overhaul	
MSPGCL	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
IPP	Adani U-3	660	04/07/2015	15:03		Continued.	Super heater drain leakage.	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
IPP	RPL(AMT) U-1	270	06/07/2015	00.37		Continued.	Furnace Pressure High	
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	
MSPGCL	Koradi Unit 5	200	09/07/2015	19.19	17/07/2015	04.53	ID Fan Problem	
CPP	WPCL U-4	135	11/07/2015	06.58		Continued.	ID Fan Vibration High	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Jul/2015

Position as on 6.30 Hrs of 17/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	Adani U-4	660	13/07/2015	17.14		Continued.	Boiler Tube Leakage	
IPP	VIPL U-1	300	14/07/2015	23.58		Continued.	AOH.	
MSPGCL	Bhusawal Unit 3	210	15/07/2015	09.08		Continued.	Boiler Tube Leakage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 4	500	15/07/2015	20.54	16/07/2015	03.14	steam leakage	
IPP	RPL(AMT) U-3	270	16/07/2015	18.26		Continued.	PA Fan problem	
MSPGCL	Paras Unit 4	250	17/07/2015	00.18	17/07/2015	02.11	Furnace Pressure High	
MSPGCL	Khaparkheda Unit 4	210	17/07/2015	03.40		Continued.	turbine shaft vibration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 17/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Wardha PG - Aurangabad PG IV	InterState	13/07/2015	07.19		Continued.	HT	To Control Padgha-BBLR Line Loading.
400 KV LINE Outages/Trippings							
Kolhapur Mapusa I	InterState	15/07/2015	21.40	16/07/2015	06:57	HT	Over Voltage
Kolhapur Mapusa I	InterState	16/07/2015	16.40		Continued.	HT	Over Voltage
Akola II - Taptitanda	IntraState	20/05/2015	08.59		Continued.	HT	Ckt I and Ckt 2 new charged to control BBLSR ICT loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	09/07/2015	17.32		Continued.	HT	padgha-BBLSR Line Loading
Babhaleshwar-Taptitanda ckt-II	IntraState	14/07/2015	08.48		Continued.	HT	to control line loading of padgha-bblr
Nagothane - Dabhol-II	IntraState	14/07/2015	12.33		Continued.	T	Distance Protection
karad -kolhapur-II	IntraState	15/07/2015	17.00	16/07/2015	06.25	HT	Over Voltage
Karad-Jaigad - I	IntraState	15/07/2015	17.30	16/07/2015	06.38	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	15/07/2015	23.26	16/07/2015	11:58	T	Distance Protection
Jejuri- Koynastage-IV	IntraState	16/07/2015	03.24	16/07/2015	11:28	T	Distance Protection
Babhaleshwar - Padghe-I	IntraState	16/07/2015	04.29		Continued.	T	Distance Protection
Nagothane - Dabhol I	IntraState	16/07/2015	11.29	16/07/2015	13.35	T	dabhol bus fault
New Koyna - Dabhol-I	IntraState	16/07/2015	11.58	16/07/2015	13.56	T	force hand tripped due to bus operated
karad -kolhapur-II	IntraState	16/07/2015	17.07	17/07/2015	06.26	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/07/2015	17.09	17/07/2015	06.27	HT	Over Voltage
Main Bus-II @ Akola	IntraState	16/07/2015	20.56	17/07/2015	06.20	PO	Attending Sparking of isolator
Lonikand I - Koyna stage-IV	IntraState	17/07/2015	04.28		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	15/07/2015	17.20		Continued.	PO	Attending Oil Leakage
400/220kv 315 Mva ICT I @Karad	IntraState	16/07/2015	17.30	16/07/2015	18.44	T	NDR protection
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	17/07/2015	04.59	17/07/2015	05.36	T	Tripped at chikodi end only
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 deenergising 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 deenergising the line bet.86 to 107.
Boisar Versova Line	IntraState	05/07/2015	08.08	16/07/2015	01.37	PO	Making LILO for 220KV Viraj S/S
Osmanabad - Solapur (Bale)	IntraState	06/07/2015	15.06		Continued.	HT	For Controlling Rarly ICT Loading.
Babhaleshwar - Degaon Rangari	IntraState	08/07/2015	12.21		Continued.	HT	construction of new 220kv chalisgaon Bay by hot line unit
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Bableswhar- Ranjangaon	IntraState	15/07/2015	06.23		Continued.	HT	Over Voltage
Bableswhar -Bhenda	IntraState	16/07/2015	01.37	16/07/2015	04.25	HT	TO control over loading of BBLR icts
Raymond - Washala	IntraState	16/07/2015	02.41	16/07/2015	17.56	T	Distance Protection
Eklahara(Gcr)(Nasik)- Bableswhar 2	IntraState	16/07/2015	03.30	16/07/2015	04.29	T	Distance Protection
Nashik-Padgha	IntraState	16/07/2015	04.54	16/07/2015	18.10	HT	over loading of bblsr icts
Nashik-Airoli Knowledge Park	IntraState	16/07/2015	06.29	16/07/2015	18.17	HT	control over loading of bblr icts
Pedhambe - Oni	IntraState	16/07/2015	08.15	16/07/2015	17.25	PO	R M W work
Taloja II - OCIL-I	IntraState	16/07/2015	08.53	16/07/2015	17.59	PO	P M work

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 16/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 17/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Miraj - Mhaishal	IntraState	16/07/2015	11.51	16/07/2015	15.53	T	Distance Protection
Apta - Taloja	IntraState	16/07/2015	11.59	16/07/2015	13.04	PO	Attending Hot Spot
Theur-Jejuri	IntraState	16/07/2015	12.25	16/07/2015	14.50	T	Distance Protection
Uran - Apta 3	IntraState	16/07/2015	14.07	16/07/2015	16.27	PO	Attending Hot Spot
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	16/07/2015	18.15	16/07/2015	19.49	PO	Annual Maintenance Work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22kv 40 Mva Cgl Ptr 1 @Sicom	IntraState	11/07/2015	14.00		Continued.	PO	Cable Replacement & CT,PT Replacement Work.
132 KV LINE Outages/Trippings							
Lonand - Wai	IntraState	16/07/2015	22:00	17/07/2015	03.45	T	Distance Protection

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