

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 26/Jul/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	106.169	2551.499	1) Gujrat	4.612	83.763
2) Hydro	5.085	219.412	2) Madhya Pradesh	10.002	431.686
3) Gas	6.330	157.903	3) Chattisgarh	2.640	147.330
Total MSPGCL	117.584	2928.814	4) Maharashtra Net	67.385	2594.011
B) 1) APML	41.190	1268.020	5) Goa	-5.906	-170.144
2) JSWEL	17.132	479.782	6) TAPS 1&2 Injection	2.781	73.993
3) VIPL	4.614	234.339	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	12.804	315.520	8) Pench (MS)	0.039	4.356
5) WPCL	2.568	76.564	9) Pench (Excess)	-0.039	-3.968
6) Other IPP	3.332	100.328	Total	81.475	3156.671
C) 1) TPCL Thermal	12.415	436.882	a) Mumbai Schedule	16.768	676.454
2) TPCL Hydro	2.747	84.686	b) Mumbai Drawl	24.701	732.046
3) TPCL Gas	0.000	62.906	c) MSEDCL Bilateral *	22.144	928.521
4) R-INFRA Thermal	9.473	267.892	Include PX	-1.318	199.415
D) STATE			d) Mumbai Bilateral *	16.768	676.454
1) Thermal	209.697	5730.826	Include PX	3.440	140.984
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	7.832	304.098	H) ENERGY CATERED (MUs)		
3) Gas	6.330	220.809	1) MSEDCL	300.838	8796.009
4) Wind	44.046	943.099	2) Mumbai Discoms	49.341	1584.418
6) SOLAR	0.794	24.918	TOTAL STATE	350.179	10380.427
TOTAL STATE	268.699	7223.750			

* 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 4 Hrs
MSPGCL Thermal	4381	4373	4509	4297
MSPGCL Hydro	558	218	207	186
MSPGCL Gas	272	271	258	261
MSPGCL Total Generation	5211	4862	4974	4744
Central Sector Receipt	4188	3655	3652	2706
WIND	1821	2004	1926	1673
CPP / IPP	3444	3501	3393	3421
SOLAR	86	119	0	0
Exchange with Mumbai	-991	-1140	-1271	-856
MSEDCL DEMAND MET	13759	13001	12674	11688
Load Shedding	52	48	41	44
MSEDCL DEMAND	13811	13049	12715	11732
TPCL GENERATION	693	732	621	517
R-INFRA GENERATION	392	394	394	396
MUMBAI DEMAND	2076	2266	2286	1769
STATE DEMAND MET	15835	15267	14960	13457
STATE DEMAND	15887	15315	15001	13501
Frequency (Hz)	50.06	50.04	49.94	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 06.02 Hrs	49.75 Hz at 19.47 Hrs	50.01	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 26/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.50	30.04	150	135
Unit 6	0.00	0.00	0	0
Unit 7	3.79	82.00	170	140
Total	7.29	112.04		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.98	95.88	175	160
Unit 4	8.96	228.04	395	360
Unit 5	9.02	239.97	390	340
Total	21.96	563.88		
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	3.44	89.99	149	132
Unit 3	4.07	110.61	180	151
Unit 4	4.09	107.10	177	160
Unit 5	8.70	202.57	385	330
Unit 6	8.37	28.08	375	295
Unit 7	8.21	219.17	380	303
Total	36.88	757.52		
Paras				
Unit 3	4.73	131.97	206	186
Unit 4	4.77	134.51	204	192
Total	9.50	266.48		
Khaparkheda				
Unit 1	3.07	91.34	150	100
Unit 2	2.22	91.88	155	0
Unit 3	3.69	101.34	178	139
Unit 4	3.46	24.11	156	135
Unit 5	9.11	255.68	410	325
Total	21.54	564.35		
Nasik				
Unit 3	4.52	119.60	195	185
Unit 4	4.48	109.65	194	177
Unit 5	0.00	0.00	0	0
Total	8.99	229.25		
Uran				
All Units	6.33	157.90	273	258
Total	6.33	157.90		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.04	4.36	23	0
Total	0.04	4.36		
Koyna				
Stage 1-2	1.10	88.10	90	40
Stage 4	0.00	56.24	0	0
Stage 3	1.40	38.45	160	0
Total	2.50	182.80		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.81	0	0
TILLARI	0.37	2.08	40	0
BHTGR/VEER	0.06	1.49	3	2
BHIRA T.R.	0.37	7.31	70	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.81	4.00	34	33
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	0.96	16.27	250	0
Total	2.59	36.62		
Wind				
Total	44.05	943.10	0	0
Total	44.05	943.10		
CPP				
APML(Mus)	41.19	1268.02	0	0
JSWEL(Mus)	17.13	479.78	0	0
VIPL(Mus)	4.61	234.34	0	0
RPLAMT(Mus)	12.80	315.52	0	0
WPCL(Mus)	2.57	76.56	0	0
Other(Mus)	3.33	100.33	0	0
Total	81.64	2474.55		
SOLAR				
Total	0.79	24.92	0	0
Total	0.79	24.92		
Tata				
Trombay 5	7.59	280.14	319	314
Trombay 6	0.00	8.40	0	0
Trombay 7A	0.00	38.66	0	0
Trombay 7B	0.00	24.24	0	0
Trombay 8	4.83	148.34	204	199
TATA Hydro	2.75	84.69	222	0
Total	15.16	584.47		
R-INFRA				
1-2	9.47	267.89	399	392
Total	9.47	267.89		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	106.17	2551.50
MSPGCL Thml+Gas	112.50	2709.40

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.08	219.41
MSPGCL Total	117.58	2928.81

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	1.10	144.35
State Total	268.70	7223.75

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 26/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	4401	215	262	4878	1811	3492	0	3815	3304	-1095	12390	61	12451	2055	14506	49.96
2	4403	220	262	4885	1597	3344	0	3466	3239	-986	12079	44	12123	1912	14035	49.99
3	4334	216	261	4811	1718	3388	0	3077	3003	-909	12011	44	12055	1819	13874	50.02
4	4297	186	261	4744	1673	3421	0	3063	2706	-856	11688	44	11732	1769	13501	50.01
5	4292	87	261	4640	1743	3387	0	3132	3044	-842	11972	44	12016	1752	13768	50.02
6	4392	86	260	4738	1763	3447	0	3681	3296	-885	12359	46	12405	1795	14200	50.04
7	4420	76	261	4757	1743	3388	5	3907	3826	-889	12830	48	12878	1799	14677	50.05
8	4444	361	261	5066	1774	3397	20	3606	3980	-865	13372	50	13422	1850	15272	49.98
9	4397	534	263	5194	1812	3305	47	3695	4154	-900	13612	50	13662	1949	15611	49.99
10	4381	558	272	5211	1821	3444	86	4045	4188	-991	13759	52	13811	2076	15887	50.06
11	4349	359	273	4981	1911	3495	99	4311	4170	-1113	13543	52	13595	2209	15804	50.02
12	4334	277	271	4882	1993	3405	109	4002	4280	-1109	13560	50	13610	2243	15853	49.98
13	4373	218	271	4862	2004	3501	119	3891	3655	-1140	13001	48	13049	2266	15315	50.04
14	4403	154	270	4827	2078	3365	112	3581	3036	-1092	12326	43	12369	2173	14542	50.06
15	4503	192	270	4965	1959	3389	78	3542	3095	-1043	12443	44	12487	2129	14616	50.00
16	4492	217	267	4976	1936	3422	56	3560	3068	-1006	12452	44	12496	2088	14584	50.05
17	4483	117	264	4864	1841	3357	35	3260	2984	-985	12096	41	12137	2067	14204	50.11
18	4454	122	261	4837	1796	3399	25	3104	2260	-981	11336	39	11375	2046	13421	50.17
19	4496	147	261	4904	1878	3453	3	2895	2607	-998	11847	39	11886	2085	13971	49.99
20	4515	232	260	5007	1760	3433	0	3857	3638	-1083	12755	41	12796	2203	14999	49.94
21	4509	207	258	4974	1926	3393	0	3986	3652	-1271	12674	41	12715	2286	15001	49.94
22	4515	140	258	4913	1855	3236	0	3740	3521	-1213	12312	41	12353	2282	14635	49.96
23	4507	82	260	4849	1880	3398	0	3801	3465	-1268	12324	41	12365	2267	14632	49.97
24	4475	82	262	4819	1774	3381	0	3741	3304	-1181	12097	41	12138	2216	14354	49.98
MUs	106.17	5.09	6.33	117.58	44.05	81.64	0.79	86.76	81.47	-24.70	300.84	1.09	301.93	49.34	351.26	50.01

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 26/Jul/2015

Position as on 6.30 Hrs of 27/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	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
IPP	VIPL U-1	300	14/07/2015	23.58		Continued.	AOH.	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
TPC-G	Trombay 7A	120	17/07/2015	20.38		Continued.	Gas path Inspection and Rotor replacement	
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	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	
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-4	135	11/07/2015	06.58	26/07/2015	18.52	ID Fan Vibration High	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-1	135	18/07/2015	00.00		Continued.	FD Fan Problem.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 26/Jul/2015

Position as on 6.30 Hrs of 27/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-2	270	21/07/2015	07.00		Continued.	Abnormal Sound Found.	
MSPGCL	Khaparkheda Unit 2	210	26/07/2015	07.48	26/07/2015	11.38	Furnace Pressure High	
IPP	RPL(AMT) U-3	270	26/07/2015	07.56	26/07/2015	09.42	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 27/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 Padhga-BBLR Line Loading.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	26/07/2015	10.55		Continued.	PO	For Replacement of BHEL Make Smoothing Reactor (Outage upto 4.8.15).
400 KV LINE Outages/Trippings							
Kolhapur Mapusa II	InterState	25/07/2015	16.34	26/07/2015	08.24	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	25/07/2015	16.41		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	26/07/2015	03.21	26/07/2015	08.13	HT	Over Voltage
Kolhapur Mapusa I	InterState	26/07/2015	15.54		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	26/07/2015	16.47		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	22/07/2015	21.04		Continued.	HT	To Control Padgha-Bblsr Line Loading.
karad -kolhapur-I	IntraState	25/07/2015	16.04	27/07/2015	07.02	HT	Over Voltage
Karad-Jaigad - I	IntraState	25/07/2015	17.08	26/07/2015	10.49	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	25/07/2015	17.09	26/07/2015	08.01	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	26/07/2015	00.02	26/07/2015	07.31	HT	Over Voltage
Deepnagar Taptitanda	IntraState	26/07/2015	08.14	26/07/2015	19.13	PO	Replacement of Joint Work Observed During Joint Patrolling of the Line (Daily Basis).
Karad - Jaigad - II	IntraState	26/07/2015	16.48		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	26/07/2015	17.05		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	26/07/2015	18.04	27/07/2015	06.28	HT	Over Voltage
Padghe - Nagothane - I	IntraState	27/07/2015	04.47		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	27/07/2015	06.13		Continued.	HT	To Control Over Loading in Gujarat Grid.
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.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Solapur(Bale) - Tuljapur	IntraState	25/07/2015	18.28	26/07/2015	10.49	HT	Hand Tripped.
Mumewadi-Belewadi	IntraState	26/07/2015	08.03	26/07/2015	17.30	PO	Construction of Tower for 765 KV Kudgi-Kolhapur D/C Line.
Talandge-Hamidwada	IntraState	26/07/2015	08.56	26/07/2015	17.37	PO	Construction of Tower for 765 KV Kudgi-Kolhapur D/C Line.
Kanhan - Suryalaxmi	IntraState	26/07/2015	09.22	26/07/2015	18.50	PO	Jumper Replacement @ Loc no 4,5,6,7 & Dead End Replacement Work @ Loc No.7.
Apta - Taloja	IntraState	26/07/2015	14.03	26/07/2015	16.07	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	26/07/2015	13.50	26/07/2015	15.24	PO	CTR Fire Fighting Work.
220/132 Kv 200 Mva Cgl Ict 1 @Boisar-Ii	IntraState	26/07/2015	16.52	26/07/2015	18.52	T	Bucchoz Trip.
132 KV LINE 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 26/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 27/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Ghatodi-Digras-I	IntraState	26/07/2015	05.30	26/07/2015	05.45	T	Distance Protection Operated Z-II B-E Fault.
Boisar Midc - Dahanu 1	IntraState	26/07/2015	16.53	26/07/2015	20.00	T	Distance Protection