

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	125.581	1930.741	1) Gujrat	-0.645	-61.270
2) Hydro	2.194	61.944	2) Madhya Pradesh	10.839	147.142
3) Gas	9.852	119.462	3) Chattisgarh	6.850	105.490
Total MSPGCL	137.627	2112.147	4) Maharashtra Net	98.210	1653.008
B) 1) APML	11.438	189.058	5) Goa (Amona)	-0.640	-11.450
2) JSWEL	19.731	295.660	6) TAPS 1&2 Injection	3.559	53.500
3) VIPL	10.092	171.598	7) RGPPL Injection	11.644	170.290
4) RPL(AMT)	18.435	282.812	8) Pench (MS)	0.000	0.778
5) WPCL	4.601	54.915	9) Pench (Excess)	0.000	-0.778
6) Other IPP	5.070	68.990	Total	129.817	2055.932
C) 1) TPCL Thermal	17.609	244.707	a) Mumbai Schedule	26.681	409.323
2) TPCL Hydro	2.882	42.438	b) Mumbai Drawl	34.205	526.415
3) TPCL Gas	3.960	47.452	c) MSEDCL Bilateral *	36.062	556.823
4) R-INFRA Thermal	12.204	170.038	Include PX	-0.028	20.472
D) STATE			d) Mumbai Bilateral *	26.681	409.323
1) Thermal	224.761	3408.519	Include PX	7.635	96.703
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	5.076	104.382	H) ENERGY CATERED (MUs)		
3) Gas	13.812	166.914	1) MSEDCL	351.926	5156.199
4) Wind	48.153	435.106	2) Mumbai Discoms	70.860	1031.046
6) SOLAR	1.167	16.396	TOTAL STATE	422.786	6187.245
TOTAL STATE	292.969	4131.317			

* 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 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5021	5069	5120	5245
MSPGCL Hydro	239	120	53	49
MSPGCL Gas	378	405	414	410
MSPGCL Total Generation	5638	5594	5587	5704
Central Sector Receipt	5730	5867	6243	4628
WIND	2344	2232	1887	1602
CPP / IPP	2916	2842	2830	2898
SOLAR	161	105	0	0
Exchange with Mumbai	-1768	-1671	-1423	-951
MSEDCL DEMAND MET	15021	14969	15124	13881
Load Shedding	0	0	0	0
MSEDCL DEMAND	15021	14969	15124	13881
TPCL GENERATION	1155	1316	1070	910
R-INFRA GENERATION	486	492	512	514
MUMBAI DEMAND	3409	3479	3005	2375
STATE DEMAND MET	18430	18448	18129	16256
STATE DEMAND	18430	18448	18129	16256
Frequency (Hz)	50.02	49.97	49.90	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 08.17 Hrs	49.74 Hz at 19.37 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 15/Jun/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.48	49.43	155	130
Unit 6	0.00	0.00	0	0
Unit 7	3.94	56.29	175	147
Unit 8	11.58	179.43	615	449
Total	19.00	285.16		
Bhusawal				
Unit 2	0.00	42.14	0	0
Unit 3	3.98	57.56	170	160
Unit 4	8.60	114.20	365	355
Unit 5	8.58	145.26	370	355
Total	21.16	359.16		
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	0.93	45.43	131	0
Unit 4	4.04	62.93	190	163
Unit 5	8.94	123.82	430	360
Unit 6	9.00	144.76	445	350
Unit 7	8.86	125.36	412	356
Unit 8	7.97	31.28	375	282
Total	39.75	533.58		
Paras				
Unit 3	5.18	82.05	245	204
Unit 4	5.17	83.64	255	200
Total	10.36	165.69		
Khaparkheda				
Unit 1	3.62	52.22	160	135
Unit 2	3.77	56.78	165	150
Unit 3	4.20	56.30	177	171
Unit 4	3.78	57.13	165	149
Unit 5	9.84	158.67	500	370
Total	25.20	381.11		
Nasik				
Unit 3	1.84	60.44	190	0
Unit 4	4.07	62.60	179	158
Unit 5	4.20	63.26	189	166
Total	10.11	186.31		
Uran				
All Units	9.85	119.46	431	368
Total	9.85	119.46		
PENCH (MS)				
Pench (MS)	0.00	0.78	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	0.78		
Koyna				
Stage 1-2	1.00	22.69	50	40
Stage 4	0.00	9.31	0	0
Stage 3	0.70	9.05	156	0
Total	1.71	41.05		
Hydro				
KDPH	0.00	1.21	0	0
VTRNA	0.00	0.16	0	0
TILLARI	0.00	2.38	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	2.81	80	0
RNGR+BHTSA	0.17	2.32	8	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.01	0.52	1	0
GHATGHAR	0.17	11.49	90	0
Total	0.49	20.89		
Wind				
Total	48.15	435.11	0	0
Total	48.15	435.11		
CPP				
APML(Mus)	11.44	189.06	0	0
JSWEL(Mus)	19.73	295.66	0	0
VIPL(Mus)	10.09	171.60	0	0
RPLAMT(Mus)	18.44	282.81	0	0
WPCL(Mus)	4.60	54.92	0	0
Other(Mus)	5.07	68.99	0	0
Total	69.37	1063.03		
SOLAR				
Total	1.17	16.40	0	0
Total	1.17	16.40		
Tata				
Trombay 5	11.65	159.29	489	471
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.50	28.81	115	67
Trombay 7B	1.46	18.64	64	51
Trombay 8	5.96	85.42	249	246
TATA Hydro	2.88	42.44	408	79
Total	24.45	334.60		
R-INFRA				
1-2	12.20	170.04	514	486
Total	12.20	170.04		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	1.37
Koradi 9	0.00	18.36
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	125.58	1930.74
MSPGCL Thml+Gas	135.43	2050.20
MSPGCL Hydro	2.19	61.94

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	137.63	2112.15
Koyna 1,2 & 4 Total	1.00	32.00
State Total	292.97	4131.32

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Jun/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	5381	205	418	6004	1978	2915	0	5532	5404	-1460	14841	0	14841	2881	17722	49.98
2	5251	53	408	5712	1874	2865	0	5280	5186	-1244	14393	0	14393	2668	17061	49.98
3	5255	54	430	5739	1713	2832	0	4905	4948	-1064	14168	0	14168	2491	16659	49.97
4	5245	49	410	5704	1602	2898	0	4756	4628	-951	13881	0	13881	2375	16256	49.99
5	5339	49	431	5819	1705	2924	0	4702	4436	-891	13993	0	13993	2318	16311	50.00
6	5538	49	421	6008	1752	2940	0	4797	4717	-921	14496	0	14496	2348	16844	50.02
7	5776	49	431	6256	1841	3031	7	4973	4537	-893	14779	0	14779	2303	17082	50.05
8	5669	54	417	6140	2001	2951	32	5113	4868	-978	15014	0	15014	2381	17395	50.06
9	5419	49	405	5873	2257	2905	79	5409	4983	-1436	14661	0	14661	2799	17460	50.06
10	5181	99	397	5677	2294	2920	108	5569	5420	-1599	14820	0	14820	3062	17882	49.98
11	4965	174	368	5507	2312	2918	141	5587	5895	-1690	15083	0	15083	3301	18384	50.02
12	5021	239	378	5638	2344	2916	161	5632	5730	-1768	15021	0	15021	3409	18430	50.02
13	5071	206	381	5658	2214	2915	146	5702	5515	-1758	14690	0	14690	3409	18099	49.99
14	5089	133	405	5627	2369	2870	151	5416	5309	-1693	14633	0	14633	3358	17991	49.99
15	5094	127	398	5619	2274	2809	123	5491	5600	-1702	14723	0	14723	3454	18177	49.95
16	5069	120	405	5594	2232	2842	105	5691	5867	-1671	14969	0	14969	3479	18448	49.97
17	5066	120	413	5599	2216	2894	74	5705	5898	-1720	14961	0	14961	3427	18388	49.95
18	5140	62	415	5617	2133	2840	35	4944	5296	-1733	14188	0	14188	3303	17491	49.97
19	5124	48	417	5589	2066	2823	5	4855	5017	-1517	13983	0	13983	3054	17037	50.01
20	5092	53	427	5572	1886	2843	0	5565	5804	-1385	14720	0	14720	3027	17747	49.85
21	5120	53	414	5587	1887	2830	0	5741	6243	-1423	15124	0	15124	3005	18129	49.90
22	5130	53	418	5601	1818	2836	0	5463	6354	-1461	15148	0	15148	2972	18120	49.97
23	5073	48	421	5542	1784	2922	0	5504	6244	-1615	14877	0	14877	3008	17885	49.93
24	5473	48	424	5945	1601	2931	0	5483	5918	-1632	14763	0	14763	3028	17791	49.95
MUs	125.58	2.19	9.85	137.63	48.15	69.37	1.17	127.81	129.82	-34.20	351.93	0.00	351.93	70.86	422.79	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 15/Jun/2016

Position as on 6.30 Hrs of 16/Jun/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	
CENT.SECTOR	TARAPUR-3	540	23/05/2016	20.30		Continued.	Annual Maintenance Work.	
IPP	JSW (J) U2	300	01/06/2016	00.30		Continued.	Annual Maintenance Work.	
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 schedule	
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 Schedule	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
IPP	Adani U-5	660	05/05/2016	23.09		Continued.	Due to Unavailblity of Water.	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
IPP	Adani U-1	660	13/05/2016	22.53		Continued.	Water Shortage	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule From MSEDCL	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
IPP	Adani U-2	660	25/05/2016	21.22		Continued.	Water Shortage.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Chandrapur Unit 3	210	11/06/2016	23.54	15/06/2016	11.42	ID Fan Problem	
MSPGCL	Chandrapur Unit 9	500	12/06/2016	18.13		Continued.	Low furnace pressure	
RGPL	Dabhol 2A	230	12/06/2016	19.58		Continued.	Combustion Chamber problem	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	15/06/2016	10.00		Continued.	Boiler Validity Extension.	
MSPGCL	Paras Unit 4	250	16/06/2016	00.52	16/06/2016	03.50	Furnace Pressure High	

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

Statement-VII

Position as on 6.30 Hrs of 16/Jun/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	14/06/2016	17.28		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	14/06/2016	22.09	15/06/2016	11.43	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	15/06/2016	17.33	15/06/2016	19.53	EO	Insulator Replacement
Kolhapur Solapur(PG) I	InterState	16/06/2016	00.34		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	08/06/2016	16.52	15/06/2016	09.45	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	08/06/2016	19.28		Continued.	HT	To control Load of Padgha-BBLSR Line
Karad-Jaigad - I	IntraState	11/06/2016	16.07	15/06/2016	09.50	HT	Over Voltage
Padghe - Kharghar	IntraState	12/06/2016	06.11		Continued.	T	Distance Protection
Ektuni-Bableshwar ckt I	IntraState	14/06/2016	10.10		Continued.	PO	Jumper Nut Bolts Tightening.(RFC @ 14.35 Hrs).
Ektuni-Bableshwar ckt II	IntraState	14/06/2016	15.43	15/06/2016	17.15	HT	To Control Load of Padgha-Bblr.
Bhusawal-Aurangabad	IntraState	14/06/2016	17.12	15/06/2016	09.34	HT	Over Voltage
Padghe - Kalwa- I	IntraState	15/06/2016	01.43	15/06/2016	07.48	PO	Partially Decapped of DSN Insulator Strins.
Lonikand I - Koyna stage-IV	IntraState	15/06/2016	07.20	15/06/2016	17.28	PO	String Replacement Work.
Girwali-Solapur (Lamboti)	IntraState	15/06/2016	11.00	15/06/2016	16.32	EO	Replacement of Faulty Epoxy Polymer.
karad -kolhapur-I	IntraState	15/06/2016	16.25		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	15/06/2016	16.28		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	15/06/2016	17.35		Continued.	HT	Over Voltage
Padghe - Talegaon (PG)	IntraState	16/06/2016	00.45	16/06/2016	03.56	EO	Emergency outage
400 KV ICT Outages/Trippings							
400/220kV 315MVA ICT-I@Parly	IntraState	06/06/2016	09.36	15/06/2016	20.03	PO	Bushing replacement
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	15/06/2016	08.09	15/06/2016	08.32	T	NDR.
400/220kV 315MVA ICT-III @ Kharghar	IntraState	16/06/2016	00.48	16/06/2016	04.06	HT	LV Side OFF.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	09/06/2016	09.40	15/06/2016	09.09	PO	Outage.
Talandage - Chikodi	InterState	14/06/2016	12.18		Continued.	PO	Insulator Replacement.
Nasik Navsari II	InterState	15/06/2016	09.16	15/06/2016	18.42	PO	Outage.
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.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Jejuri-Parvati	IntraState	09/06/2016	07.00		Continued.	PO	Pune Ringmain Re-Orientation Work.
Khaparkheda-Ambazari-Ii	IntraState	15/06/2016	07.23	15/06/2016	20.00	PO	Stringing of 400KV Koradi 3-Koradi 2 DC Line.
Khaparkheda-Kalmeshwar	IntraState	15/06/2016	07.40	15/06/2016	20.17	PO	Stringing of 400KV Koradi 3-Koradi 2 DC Line.
Chandrapur GCR - Wani	IntraState	15/06/2016	08.19	15/06/2016	15.58	PO	Measurment of CB Timing & CRM Measurment of Tan Delta of CT's & CC's.
Osmanabad - Barshi	IntraState	15/06/2016	09.26	15/06/2016	13.17	PO	Quarterly Maintainance Work
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	15/06/2016	10.36	15/06/2016	18.25	PO	Replacement of Faulty Disc Insulator in on Line PID.

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/Jun/2016

Statement-VII

Position as on 6.30 Hrs of 16/Jun/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Sonkhar - Trombay	IntraState	15/06/2016	12.59	15/06/2016	15.16	T	Distance Protection
Talandge-Mudshingi Ckt-I	IntraState	15/06/2016	14.33	15/06/2016	16.40	PO	Testing Work
Shivajinagar - Satana	IntraState	15/06/2016	16.52		Continued.	T	Distance Protection
Ranjangaon-Lonikand	IntraState	15/06/2016	17.10	15/06/2016	17.13	T	Distance Protection
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 150 MVA ICT @Boisar-II	IntraState	05/06/2016	08.53		Continued.	PO	Oil Filtration and repl.of LV Bushing(charged and kept on Humming 19.41Hrs/13-6-16)
220/132 Kv 200 Mva ICT-I @Girwali	IntraState	08/06/2016	20.04	15/06/2016	20.12	HT	Due to Rise in Bus Sectionaliser Current.
220/132/11 Kv 200 Mva Cgl Ict 2 @Amravati	IntraState	15/06/2016	07.40	15/06/2016	11.12	PO	Pre Mansoon Maintenance Work.
220/132 Kv 100 Mva Ict 1 @Bhokardan	IntraState	15/06/2016	09.58	15/06/2016	17.25	PO	Measurment of Tandelta of ICT Bushing.
220/132 Kv 100 Mva Ict 1 @Sawangi	IntraState	15/06/2016	10.15	15/06/2016	16.48	PO	Premansoon Maintenance Work.

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