

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Jun/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	116.599	2633.247	1) Gujrat	-4.079	-86.883
2) Hydro	5.196	83.788	2) Madhya Pradesh	12.688	210.903
3) Gas	10.152	178.513	3) Chattisgarh	8.110	152.710
Total MSPGCL	131.947	2895.548	4) Maharashtra Net	103.923	2279.247
B) 1) APML	14.669	268.494	5) Goa (Amona)	-0.640	-15.058
2) JSWEL	20.809	418.486	6) TAPS 1&2 Injection	3.687	75.515
3) VIPL	13.826	247.108	7) RGPPL Injection	11.632	240.620
4) RPL(AMT)	16.700	385.445	8) Pench (MS)	0.127	1.232
5) WPCL	4.154	79.847	9) Pench (Excess)	-0.127	-1.232
6) Other IPP	4.197	96.556	Total	135.194	2855.822
C) 1) TPCL Thermal	16.703	343.358	a) Mumbai Schedule	25.409	566.818
2) TPCL Hydro	2.485	55.074	b) Mumbai Drawl	27.142	711.906
3) TPCL Gas	4.316	71.955	c) MSEDCL Bilateral *	35.230	767.676
4) R-INFRA Thermal	11.665	239.201	Include PX	0.000	14.272
D) STATE			d) Mumbai Bilateral *	25.409	566.818
1) Thermal	219.322	4711.742	Include PX	2.712	130.157
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	7.681	138.862	H) ENERGY CATERED (MUs)		
3) Gas	14.468	250.468	1) MSEDCL	327.509	7159.701
4) Wind	12.243	603.147	2) Mumbai Discoms	62.341	1421.520
6) SOLAR	0.912	21.154	TOTAL STATE	389.850	8581.221
TOTAL STATE	254.626	5725.373			

* 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 17 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	5083	4786	4591	4775
MSPGCL Hydro	863	214	115	53
MSPGCL Gas	431	415	433	434
MSPGCL Total Generation	6377	5415	5139	5262
Central Sector Receipt	6227	6033	6106	5193
WIND	53	1006	1168	120
CPP / IPP	3238	3213	2834	3004
SOLAR	97	31	0	0
Exchange with Mumbai	-1464	-1365	-1304	-701
MSEDCL DEMAND MET	14528	14333	13943	12878
Load Shedding	42	18	0	0
MSEDCL DEMAND	14570	14351	13943	12878
TPCL GENERATION	1103	1191	1018	769
R-INFRA GENERATION	497	513	513	402
MUMBAI DEMAND	3064	3069	2835	1872
STATE DEMAND MET	17592	17402	16778	14750
STATE DEMAND	17634	17420	16778	14750
Frequency (Hz)	49.89	49.98	49.96	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 05.03 Hrs	49.83 Hz at 20.16 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 21/Jun/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	55.90	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.49	77.20	155	125
Unit 8	14.15	236.44	660	495
Total	17.64	369.55		
Bhusawal				
Unit 2	0.00	42.14	0	0
Unit 3	3.94	81.34	170	160
Unit 4	8.89	172.10	500	0
Unit 5	10.40	205.05	500	360
Total	23.24	500.64		
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	4.41	71.79	190	178
Unit 4	4.33	88.61	184	177
Unit 5	10.06	183.04	427	415
Unit 6	10.50	205.54	450	419
Unit 7	9.90	182.58	420	400
Unit 8	0.00	43.57	0	0
Total	39.19	775.13		
Paras				
Unit 3	5.90	116.38	252	230
Unit 4	5.32	113.06	259	0
Total	11.22	229.44		
Khaparkheda				
Unit 1	3.74	74.29	165	145
Unit 2	4.10	80.12	175	155
Unit 3	4.32	81.77	190	170
Unit 4	3.97	81.91	182	151
Unit 5	0.00	183.60	0	0
Total	16.14	501.69		
Nasik				
Unit 3	4.59	75.20	200	180
Unit 4	0.00	74.62	0	0
Unit 5	4.58	87.23	198	182
Total	9.17	237.06		
Uran				
All Units	10.15	178.51	452	384
Total	10.15	178.51		
PENCH (MS)				
Pench (MS)	0.13	1.23	48	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.13	1.23		
Koyna				
Stage 1-2	1.45	29.36	265	35
Stage 4	1.59	11.02	475	0
Stage 3	0.53	10.94	80	0
Total	3.57	51.32		
Hydro				
KDPH	0.00	1.21	0	0
VTRNA	0.85	3.40	61	0
TILLARI	0.00	2.38	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	3.59	63	0
RNGR+BHTSA	0.21	3.35	9	8
BHANDARDRA	0.00	0.11	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.56	0	0
GHATGHAR	0.46	17.86	125	0
Total	1.62	32.47		
Wind				
Total	12.24	603.15	0	0
Total	12.24	603.15		
CPP				
APML(Mus)	14.67	268.49	0	0
JSWEL(Mus)	20.81	418.49	0	0
VIPL(Mus)	13.83	247.11	0	0
RPLAMT(Mus)	16.70	385.44	0	0
WPCL(Mus)	4.15	79.85	0	0
Other(Mus)	4.20	96.56	0	0
Total	74.36	1495.94		
SOLAR				
Total	0.91	21.15	0	0
Total	0.91	21.15		
Tata				
Trombay 5	10.90	223.44	491	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.77	44.34	120	107
Trombay 7B	1.54	27.61	66	62
Trombay 8	5.81	119.91	247	228
TATA Hydro	2.48	55.07	333	0
Total	23.50	470.39		
R-INFRA				
1-2	11.66	239.20	514	401
Total	11.66	239.20		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	1.37	MSPGCL Thermal	116.60	2633.25	MSPGCL Total	131.95	2895.55
Koradi 9	0.00	18.36	MSPGCL Thml+Gas	126.75	2811.76	Koyna 1,2 & 4 Total	3.04	40.38
Parli 8	0.00	0.00	MSPGCL Hydro	5.20	83.79	State Total	254.63	5725.37

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 21/Jun/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	5061	109	425	5595	420	3072	0	5187	5018	-1032	13073	0	13073	2383	15456	49.97
2	4882	114	429	5425	344	2994	0	5113	5094	-988	12869	0	12869	2148	15017	49.97
3	4873	114	426	5413	238	3014	0	5098	5158	-886	12937	0	12937	2026	14963	49.95
4	4844	88	421	5353	148	2996	0	5096	5270	-802	12965	0	12965	1945	14910	49.96
5	4775	53	434	5262	120	3004	0	5117	5193	-701	12878	0	12878	1872	14750	49.98
6	4772	54	426	5252	81	3011	0	5153	5621	-672	13293	0	13293	1876	15169	50.00
7	5014	49	422	5485	82	3217	6	5166	5282	-564	13508	0	13508	1967	15475	49.97
8	5125	44	426	5595	80	3229	25	5245	5473	-698	13704	0	13704	2112	15816	49.97
9	5101	103	452	5656	46	3213	66	5449	5874	-946	13909	0	13909	2358	16267	49.99
10	5089	723	430	6242	36	3252	88	5557	5612	-1333	13897	3	13900	2808	16708	50.00
11	5083	863	431	6377	53	3238	97	5835	6227	-1464	14528	42	14570	3064	17634	49.89
12	5021	568	402	5991	74	3221	104	6035	6205	-1439	14156	53	14209	3178	17387	49.96
13	5070	362	411	5843	104	3201	142	5968	6151	-1515	13926	47	13973	3168	17141	50.00
14	5079	190	410	5679	187	3212	132	5803	6308	-1408	14110	57	14167	3078	17245	49.94
15	5095	441	412	5948	258	3220	126	5885	5895	-1467	13980	42	14022	3126	17148	49.94
16	5119	363	384	5866	517	3224	74	5832	5919	-1447	14153	21	14174	3144	17318	49.93
17	4786	214	415	5415	1006	3213	31	5598	6033	-1365	14333	18	14351	3069	17420	49.98
18	4551	127	419	5097	1156	3138	17	5501	5378	-1420	13366	27	13393	3031	16424	49.99
19	4505	110	418	5033	1139	2876	4	5440	5181	-1306	12927	0	12927	2916	15843	50.01
20	4591	115	433	5139	1168	2834	0	5654	6106	-1304	13943	0	13943	2835	16778	49.96
21	4682	115	425	5222	1221	2929	0	5749	5732	-1262	13842	0	13842	2736	16578	49.94
22	4476	115	432	5023	1233	3012	0	5574	5225	-1075	13418	0	13418	2561	15979	49.99
23	4473	110	439	5022	1258	3013	0	5489	5910	-1060	14143	0	14143	2491	16634	50.01
24	4532	52	430	5014	1274	3021	0	5354	5329	-988	13650	0	13650	2419	16069	49.99
MUs	116.60	5.20	10.15	131.95	12.24	74.36	0.91	131.90	135.19	-27.14	327.51	0.31	327.82	62.31	390.13	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 21/Jun/2016

Position as on 6.30 Hrs of 22/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) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
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 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	Koradi Unit 5	200	17/06/2016	22.35		Continued.	ID Fan Problem	
MSPGCL	Chandrapur Unit-8	500	17/06/2016	22.39		Continued.	Condensor vaccum low protection.	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule.	
MSPGCL	Khaparkheda Unit 5	500	18/06/2016	08.37		Continued.	Water Valve Tube Leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Jun/2016

Position as on 6.30 Hrs of 22/Jun/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	JSW (J) U4	300	18/06/2016	15.17	21/06/2016	07.40	Condenser Cleaning work	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Water Shortage.	
MSPGCL	Bhusawal Unit 4	500	21/06/2016	16.24	21/06/2016	19.12	Mechanical reserve prot.operated	
MSPGCL	Paras Unit 4	250	21/06/2016	21.07	21/06/2016	23.21	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jun/2016

Statement-VII

Position as on 6.30 Hrs of 22/Jun/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	21/06/2016	22.13	22/06/2016	01.22	EO	Water leakage problem in valve Hall
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	20/06/2016	17.29		Continued.	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	21/06/2016	01.29	21/06/2016	08.01	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	21/06/2016	05.23		Continued.	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	21/06/2016	21.44		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	18/06/2016	16.35		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	18/06/2016	17.11		Continued.	HT	Over Voltage
Bableshwar- Aurangabad (Waluj)	IntraState	20/06/2016	02.55	21/06/2016	16.40	T	Distance Protection
Bhusawal-Aurangabad	IntraState	20/06/2016	06.35	21/06/2016	07.47	T	Distance Protection
Lonikand I - Koyna stage-IV	IntraState	20/06/2016	22.08	21/06/2016	07.44	HT	Over Voltage
Padghe - Kalwa-II	IntraState	21/06/2016	04.11		Continued.	T	Distance Protection
Ektuni-Bableshwar ckt I	IntraState	21/06/2016	16.51		Continued.	HT	To Control Load on Padgha-BBLSR Line
Bhusawal-Aurangabad	IntraState	21/06/2016	18.11		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/06/2016	00.24		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	20/06/2016	01.02		Continued.	T	Distance Protection
Nasik Navsari II	InterState	20/06/2016	02.35	21/06/2016	19.45	T	Distance Protection
Borivali - Tarapur	InterState	21/06/2016	05.25		Continued.	T	Distance Protection
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).
Kandalgaon - Pirangut	IntraState	20/06/2016	20.15		Continued.	T	Distance Protection
Gangapur-Valve	IntraState	21/06/2016	02.20	21/06/2016	16.42	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	21/06/2016	05.47		Continued.	T	Distance Protection
Nashik-Airoli Knowledge Park	IntraState	21/06/2016	06.05	21/06/2016	19.27	T	Distance Protection
Deepnagar Bambhori	IntraState	21/06/2016	09.07	21/06/2016	12.05	PO	Testing Work
Nigade- Peth Line	IntraState	21/06/2016	09.17	21/06/2016	12.55	PO	Testing Work
Topworth - Kharghar	IntraState	21/06/2016	10.43		Continued.	PO	Line Maintenance work
Dondaicha(220)-Amalner(220)	IntraState	21/06/2016	11.02	21/06/2016	15.32	PO	Testing Work
Osmanabad - Solapur (Bale)	IntraState	21/06/2016	11.05	21/06/2016	16.52	PO	Testing Work
Pedambe-Nerle	IntraState	21/06/2016	13.40	21/06/2016	16.37	PO	Line Maintenance work
Eklahare (Ocr)Nasik - Padghe 2	IntraState	22/06/2016	01.25		Continued.	T	Distance Protection
Padghe - Nalasopara	IntraState	22/06/2016	05.47		Continued.	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)
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 21/Jun/2016

Statement-VII

Position as on 6.30 Hrs of 22/Jun/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nandurbar - Visarwadi	IntraState	21/06/2016	05.25	21/06/2016	09.33	T	Distance Protection
Kopergaon - Vaijapur	IntraState	21/06/2016	18.46	22/06/2016	03.15	T	Distance Protection
100 KV LINE Outages/Trippings							
Kolshet - Vasai	IntraState	21/06/2016	23.29		Continued.	T	Distance Protection