

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.755	2671.146	1) Gujrat	-3.494	-81.245
2) Hydro	8.729	214.615	2) Madhya Pradesh	11.170	265.499
3) Gas	10.979	215.002	3) Chattisgarh	7.130	134.000
Total MSPGCL	137.463	3100.763	4) Maharashtra Net	91.212	2107.828
B) 1) APLM	11.956	683.496	5) Goa (Amona)	-0.928	-13.896
2) JSWEL	26.199	566.881	6) TAPS 1&2 Injection	3.471	41.076
3) VIPL	10.091	261.784	7) RGPPL Injection	11.732	243.127
4) RPL(AMT)	20.627	349.311	8) Pench (MS)	0.000	0.705
5) WPCL	2.739	60.826	9) Pench (Excess)	0.000	-0.705
6) Other IPP	5.055	110.438	Total	120.293	2695.684
C) 1) TPCL Thermal	15.156	329.366	a) Mumbai Schedule	21.495	521.263
2) TPCL Hydro	1.804	59.493	b) Mumbai Drawl	33.719	642.948
3) TPCL Gas	3.909	84.095	c) MSEDCL Bilateral *	35.443	684.310
4) R-INFRA Thermal	10.516	233.339	Include PX	-0.018	-4.914
D) STATE			d) Mumbai Bilateral *	21.495	521.263
1) Thermal	220.094	5266.587	Include PX	2.722	52.397
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.533	274.108	H) ENERGY CATERED (MUs)		
3) Gas	14.888	299.097	1) MSEDCL	346.723	7576.869
4) Wind	44.643	362.907	2) Mumbai Discoms	65.104	1349.211
6) SOLAR	1.376	27.727	TOTAL STATE	411.827	8926.080
TOTAL STATE	291.534	6230.426			

* 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 8 Hrs
MSPGCL Thermal	4795	4821	5272	4792
MSPGCL Hydro	555	823	700	100
MSPGCL Gas	544	494	421	455
MSPGCL Total Generation	5894	6138	6393	5347
Central Sector Receipt	5233	5892	5097	4153
WIND	1554	1493	1910	1948
CPP / IPP	3258	3344	3081	3246
SOLAR	178	143	0	41
Exchange with Mumbai	-1348	-1561	-1495	-1141
MSEDCL DEMAND MET	14769	15449	14986	13594
Load Shedding	0	0	0	0
MSEDCL DEMAND	14769	15449	14986	13594
TPCL GENERATION	1174	1025	994	680
R-INFRA GENERATION	500	501	401	402
MUMBAI DEMAND	3022	3087	2890	2223
STATE DEMAND MET	17791	18536	17876	15817
STATE DEMAND	17791	18536	17876	15817
Frequency (Hz)	49.98	49.97	49.95	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 08:02 Hrs	49.8 Hz at 19:11 Hrs	49.99	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/May/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.09	15.73	145	100
Unit 6	0.00	0.00	0	0
Unit 7	3.89	29.40	172	147
Unit 8	12.52	205.66	660	479
Total	19.50	250.78		
Bhusawal				
Unit 2	0.00	43.32	0	0
Unit 3	3.84	82.78	165	125
Unit 4	8.59	215.98	370	350
Unit 5	8.68	212.99	375	345
Total	21.11	555.07		
Parli				
Unit 3	0.00	0.00	0	0
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 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	4.09	90.89	195	152
Unit 4	4.09	90.19	188	162
Unit 5	9.03	157.18	440	340
Unit 6	9.05	215.32	440	345
Unit 7	0.94	152.16	247	0
Total	27.20	705.73		
Paras				
Unit 3	0.00	104.54	0	0
Unit 4	5.05	117.13	244	187
Total	5.05	221.67		
Khaparkheda				
Unit 1	3.74	73.50	165	140
Unit 2	3.22	81.31	150	110
Unit 3	3.98	84.62	175	157
Unit 4	4.16	72.90	190	165
Unit 5	9.65	204.38	510	380
Total	24.75	516.71		
Nasik				
Unit 3	4.02	88.28	170	165
Unit 4	3.98	80.72	172	160
Unit 5	4.00	88.27	171	161
Total	12.00	257.28		
Uran				
All Units	10.98	215.00	544	415
Total	10.98	215.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.00	0.70	0	0
Total	0.00	0.70		
Koyna				
Stage 1-2	2.04	69.64	425	25
Stage 4	1.78	64.71	651	0
Stage 3	1.15	30.74	80	0
Total	4.97	165.09		
Hydro				
KDPH	0.50	10.60	21	20
VTRNA	0.00	0.29	0	0
TILLARI	0.30	6.35	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.19	3.42	80	0
RNGR+BHTSA	0.20	3.28	10	0
BHANDARDRA	0.20	2.88	9	8
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.14	3.77	6	5
GHATGHAR	2.24	18.95	250	0
Total	3.76	49.53		
Wind				
Total	44.64	362.91	0	0
Total	44.64	362.91		
CPP				
APML(Mus)	11.96	683.50	0	0
JSWEL(Mus)	26.20	566.88	0	0
VIPL(Mus)	10.09	261.78	0	0
RPLAMT(Mus)	20.63	349.31	0	0
WPCL(Mus)	2.74	60.83	0	0
Other(Mus)	5.06	110.44	0	0
Total	76.67	2032.74		
SOLAR				
Total	1.38	27.73	0	0
Total	1.38	27.73		
Tata				
Trombay 5	9.72	208.46	492	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.53	53.77	115	88
Trombay 7B	1.38	30.33	64	26
Trombay 8	5.44	120.91	248	199
TATA Hydro	1.80	59.49	261	0
Total	20.87	472.95		
R-INFRA				
1-2	10.52	233.34	511	400
Total	10.52	233.34		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 8	0.00	0.00	MSPGCL Thermal	117.76	2671.15	MSPGCL Total	137.46	3100.76
Chandrapur 9	0.00	1.92	MSPGCL Thml+Gas	128.73	2886.15	Koyna 1,2 & 4 Total	3.82	134.35
Koradi 9	8.15	161.98	MSPGCL Hydro	8.73	214.62	State Total	291.53	6230.43
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 21/May/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	4856	79	442	5377	2218	3284	0	5548	5528	-1511	14896	0	14896	2821	17717	49.97
2	4805	74	443	5322	2172	3252	0	5325	5171	-1411	14506	0	14506	2606	17112	50.00
3	4755	83	433	5271	2136	3253	0	4734	4800	-1352	14108	0	14108	2442	16550	50.01
4	4746	84	442	5272	2098	3249	0	4442	4458	-1242	13835	0	13835	2328	16163	50.02
5	4754	83	443	5280	2070	3246	0	4408	4457	-1181	13872	0	13872	2267	16139	50.01
6	4718	132	432	5282	2045	3242	0	4506	4405	-1175	13799	0	13799	2259	16058	49.97
7	4724	223	442	5389	1920	3246	4	4927	4537	-1106	13990	0	13990	2191	16181	50.01
8	4792	100	455	5347	1948	3246	41	4655	4153	-1141	13594	0	13594	2223	15817	50.00
9	4807	335	460	5602	1914	3238	88	4761	4352	-1276	13918	0	13918	2365	16283	50.08
10	4814	370	458	5642	1850	3244	132	4488	4437	-1352	13953	0	13953	2579	16532	49.99
11	4753	630	499	5882	1615	3252	162	4634	5024	-1366	14569	0	14569	2944	17513	49.98
12	4795	555	544	5894	1554	3258	178	4922	5233	-1348	14769	0	14769	3022	17791	49.98
13	4753	487	540	5780	1471	3231	180	5008	5395	-1391	14666	0	14666	3051	17717	49.98
14	4800	412	490	5702	1467	3229	192	5252	5540	-1390	14740	0	14740	3002	17742	49.98
15	4802	455	472	5729	1532	3242	144	5449	5697	-1496	14848	0	14848	3080	17928	49.95
16	4821	823	494	6138	1493	3344	143	5549	5892	-1561	15449	0	15449	3087	18536	49.97
17	4852	873	462	6187	1762	3283	76	5230	5173	-1569	14912	0	14912	3038	17950	50.00
18	4918	274	415	5607	1953	3099	32	5016	4976	-1513	14154	0	14154	2923	17077	50.01
19	4847	239	426	5512	1976	2875	4	4187	4746	-1473	13640	0	13640	2829	16469	50.00
20	4915	1143	426	6484	1864	2949	0	4645	4769	-1464	14602	0	14602	2844	17446	49.89
21	5272	700	421	6393	1910	3081	0	5160	5097	-1495	14986	0	14986	2890	17876	49.95
22	5479	170	429	6078	1855	3115	0	5276	5309	-1539	14818	0	14818	2726	17544	50.01
23	5523	160	443	6126	1881	3103	0	5377	5484	-1712	14882	0	14882	2748	17630	49.98
24	5454	245	468	6167	1939	3106	0	5398	5660	-1655	15217	0	15217	2839	18056	49.99
MUs	117.75	8.73	10.98	137.46	44.64	76.67	1.38	118.90	120.29	-33.72	346.72	0.00	346.72	65.10	411.83	49.99

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/May/2016

Position as on 6.30 Hrs of 22/May/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	
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	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
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	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10	22/05/2016	19.39	Drum level low	
RGPL	Dabhol 3B	230	07/01/2016	17:51		Continued.	Change Over.	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
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	
MSPGCL	Koyna Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
MSPGCL	Uran Unit 8	108	02/05/2016	14.47		Continued.	Gas shortage	
CPP	WPCL U-4	135	03/05/2016	00.00		Continued.	ESP Back Filter DP High	
IPP	Adani U-5	660	05/05/2016	23.09		Continued.	Due to Unavailblity of Water.	
RGPL	Dabhol 3X	290	07/05/2016	18.40		Continued.	Low Vaccum	
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	Adani U-2	660	15/05/2016	00.58		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 7	500	18/05/2016	15.41	21/05/2016	16.52	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	19/05/2016	16.24		Continued.	BTL.	
MSPGCL	Bhusawal Unit 2	210	20/05/2016	00.05		Continued.	Boiler Tube Leakage & zero schedule 22.05.2016 continue	

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

Position as on 6.30 Hrs of 22/May/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-4	270	21/05/2016	16.15		Continued.	Zero Schedule	
MSPGCL	Chandrapur Unit 7	500	21/05/2016	18.06	21/05/2016	19.46	UAT Problem.	
IPP	RPL(AMT) U-3	270	21/05/2016	18.10		Continued.	Zero Schedule	
MSPGCL	Uran Unit 5	108	22/05/2016	18.05		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 2	210	22/05/2016	21.32		Continued.	ID Fan Problem	

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

Statement-VII

Position as on 6.30 Hrs of 22/May/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	22/05/2016	08.23	22/05/2016	20.02	PO	connecting newly diverted 33kv electro
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	20/05/2016	07.40	22/05/2016	15.34	PO	Relay Retrofitting work.
Kolhapur Solapur(PG) I	InterState	21/05/2016	02.27	21/05/2016	11.00	HT	Over Voltage
Dabhol New koyna I	InterState	21/05/2016	07.42	22/05/2016	20.41	PO	Replacement of Porcelain insulator string
Dhule Sar'Sarovar I	InterState	22/05/2016	16.32		Continued.	HT	Over Voltage
Dabhol New koyna I	InterState	22/05/2016	23.40		Continued.	T	Distance Protection
Akola II - Taptitanda ckt-I	IntraState	27/04/2016	11.41		Continued.	PO	Dismantalling of Conductor Reorintetion.
Ektuni-Bableswhar ckt II	IntraState	19/05/2016	09.44		Continued.	HT	To Control BBLR Padghe Loading.
Jaigad-New Koyna Ckt-II	IntraState	19/05/2016	14.35	21/05/2016	12.46	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	19/05/2016	17.45	21/05/2016	06.15	HT	Over Voltage
karad -kolhapur-I	IntraState	20/05/2016	16.35	21/05/2016	09.21	HT	Over Voltage
Babhaleshwar - Bhusawal II	IntraState	21/05/2016	03.32	21/05/2016	10.45	T	Over Voltage
Babhaleshwar - Padghe-II	IntraState	21/05/2016	06.05	21/05/2016	20.40	PO	765kv Line Contraction Crossing Work.
Deepnagar Taptitanda	IntraState	21/05/2016	07.40	21/05/2016	14.35	PO	Annual Maintenance Work
Karad - Jaigad - II	IntraState	21/05/2016	13.00		Continued.	PO	Insulator Replacement Work
karad -kolhapur-I	IntraState	21/05/2016	17.10		Continued.	HT	Over Voltage
Babhaleshwar - Bhusawal II	IntraState	21/05/2016	18.03	21/05/2016	20.04	T	Over Voltage
Bhusawal-Aurangabad	IntraState	21/05/2016	20.07		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- I @Warora	IntraState	06/05/2016	14.37		Continued.	PO	To Dismantle & Transport To Babhaleshwar.
400/220 KV 500 MVA ICT- II @Warora	IntraState	13/05/2016	14.39		Continued.	PO	For Dismanteling Of ICT-I
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	19/05/2016	09.11		Continued.	PO	Taken on TBC to Attend open Jumper Work.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	21/05/2016	09.53	21/05/2016	12.37	PO	Attending Oil Leakage
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	22/05/2016	08.50	22/05/2016	13.50	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	16/05/2016	18.32		Continued.	HT	O/L of Interconnector betn. Nsk OCR & GCR
Vasai Boiser(PG)	InterState	22/05/2016	09.32	22/05/2016	16.40	PO	Repairing servcing work of aux isolator
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).
Bableswhar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableswhar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Nagothane-Wadkhal-I	IntraState	20/05/2016	11.28	22/05/2016	19.31	PO	CT Replacement work.
Pophali - New Koyna	IntraState	21/05/2016	05.43	21/05/2016	16.35	PO	Bus Outage at Pophali End.
Pophali - Pedambe II	IntraState	21/05/2016	05.44	21/05/2016	15.45	PO	Premonsoon maintance 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 21/May/2016

Statement-VII

Position as on 6.30 Hrs of 22/May/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Dahanu Ghodbunder Line 1	IntraState	21/05/2016	07.07	21/05/2016	08.21	PO	Replacement of V.D.
Colourchem - Temghar	IntraState	21/05/2016	07.35	21/05/2016	11.40	PO	Attending Hot Spot
Boisar II - Tarapur	IntraState	21/05/2016	08.27	21/05/2016	17.27	PO	CT MK Box replacement work
Osmanabad - Solapur (Bale)	IntraState	21/05/2016	10.52	21/05/2016	14.38	PO	Insulator Replacement Work
Solapur(Bale) - Tuljapur	IntraState	21/05/2016	14.42	21/05/2016	17.40	PO	Annual Maintenance Work
Boisar(M) - Ghodbunder	IntraState	22/05/2016	07.00	22/05/2016	13.40	PO	CT MK Box Replacement work
Padghe - Nalasopara	IntraState	22/05/2016	09.40	22/05/2016	16.29	PO	Repairing servcing work of aux isolator
Vita - Mhaishal	IntraState	22/05/2016	11.00	22/05/2016	13.45	PO	Quarterly Maintainance Work
Miraj - Mhaishal	IntraState	22/05/2016	15.00	22/05/2016	16.50	PO	Line Maintenance 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)
220/132kv 150MVA ICT-II @ Satana	IntraState	20/05/2016	15.40		Continued.	PO	R-PH Bushing Replacement work.
220/100 Kv 200 MVA ICT-I @Borivali	IntraState	21/05/2016	08.07	21/05/2016	12.45	PO	Premonsoon maintance work
220/100 Kv 200 MVA ICT I @Pal-Dombivali	IntraState	21/05/2016	11.35	21/05/2016	13.00	PO	Bird nest removal
110 KV LINE Outages/Trippings							
Tata Borivli MSETCL Borivli 1	IntraState	21/05/2016	08.05	21/05/2016	12.50	PO	Premonsoon maintance work
Tata Borivli MSETCL Borivli 2	IntraState	21/05/2016	08.05	21/05/2016	12.50	PO	Premonsoon maintance work
100 KV LINE Outages/Trippings							
Kalwa-Kalyan	IntraState	21/05/2016	09.48	21/05/2016	12.22	PO	Attending Hot Spot

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