

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/May/2016 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.837	2799.983	1) Gujrat	-1.700	-82.945
2) Hydro	3.745	218.360	2) Madhya Pradesh	12.413	277.912
3) Gas	11.389	226.391	3) Chattisgarh	7.580	141.580
Total MSPGCL	143.971	3244.734	4) Maharashtra Net	93.134	2200.962
B) 1) APML	12.342	695.838	5) Goa (Amona)	-0.990	-14.886
2) JSWEL	26.973	593.854	6) TAPS 1&2 Injection	3.455	44.531
3) VIPL	10.104	271.888	7) RGPPL Injection	11.703	254.830
4) RPL(AMT)	14.198	363.509	8) Pench (MS)	0.017	0.722
5) WPCL	2.746	63.572	9) Pench (Excess)	-0.017	-0.722
6) Other IPP	4.930	115.368	Total	125.578	2821.262
C) 1) TPCL Thermal	12.821	342.187	a) Mumbai Schedule	18.933	540.196
2) TPCL Hydro	0.132	59.625	b) Mumbai Drawl	33.415	676.363
3) TPCL Gas	2.207	86.302	c) MSEDCL Bilateral *	34.758	719.069
4) R-INFRA Thermal	9.624	242.963	Include PX	0.000	-4.914
D) STATE			d) Mumbai Bilateral *	18.933	540.196
1) Thermal	222.575	5489.162	Include PX	4.230	56.626
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	3.877	277.985	H) ENERGY CATERED (MUs)		
3) Gas	13.596	312.693	1) MSEDCL	349.109	7925.978
4) Wind	40.249	403.156	2) Mumbai Discoms	58.199	1407.410
6) SOLAR	1.433	29.160	TOTAL STATE	407.308	9333.388
TOTAL STATE	281.730	6512.156			

* 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	5665	5772	5148	5180
MSPGCL Hydro	318	101	297	80
MSPGCL Gas	500	469	420	496
MSPGCL Total Generation	6483	6342	5865	5756
Central Sector Receipt	5761	5570	5324	4898
WIND	1301	1455	2106	1787
CPP / IPP	3025	3045	2872	2959
SOLAR	192	160	0	0
Exchange with Mumbai	-1408	-1510	-1620	-1231
MSEDCL DEMAND MET	15354	15062	14547	14169
Load Shedding	0	0	0	0
MSEDCL DEMAND	15354	15062	14547	14169
TPCL GENERATION	604	605	604	604
R-INFRA GENERATION	400	400	400	401
MUMBAI DEMAND	2412	2515	2624	2236
STATE DEMAND MET	17766	17577	17171	16405
STATE DEMAND	17766	17577	17171	16405
Frequency (Hz)	49.95	49.92	49.96	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 06.03 Hrs	49.78 Hz at 21.34 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 22/May/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.32	19.04	150	125
Unit 6	0.00	0.00	0	0
Unit 7	2.97	32.37	157	45
Unit 8	12.67	218.33	641	507
Total	18.96	269.74		
Bhusawal				
Unit 2	0.00	43.32	0	0
Unit 3	3.85	86.64	165	135
Unit 4	8.61	224.58	370	350
Unit 5	8.63	221.62	370	350
Total	21.09	576.16		
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	4.16	95.05	200	154
Unit 4	4.12	94.30	187	160
Unit 5	9.43	166.61	455	360
Unit 6	9.30	224.62	435	355
Unit 7	8.95	161.11	425	280
Total	35.96	741.70		
Paras				
Unit 3	0.00	104.54	0	0
Unit 4	5.27	122.40	259	191
Total	5.27	226.94		
Khaparkheda				
Unit 1	3.72	77.22	165	140
Unit 2	2.98	84.28	165	0
Unit 3	4.00	88.61	186	161
Unit 4	4.10	77.00	173	167
Unit 5	10.14	214.53	500	372
Total	24.94	541.64		
Nasik				
Unit 3	3.98	92.26	170	165
Unit 4	3.98	84.70	172	162
Unit 5	3.98	92.25	170	160
Total	11.93	269.21		
Uran				
All Units	11.39	226.39	571	413
Total	11.39	226.39		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.02	0.72	17	0
Total	0.02	0.72		
Koyna				
Stage 1-2	1.37	71.01	170	40
Stage 4	0.00	64.71	0	0
Stage 3	0.13	30.87	80	0
Total	1.50	166.59		
Hydro				
KDPH	0.50	11.09	21	20
VTRNA	0.00	0.29	0	0
TILLARI	0.49	6.83	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	3.56	80	0
RNGR+BHTSA	0.22	3.50	10	9
BHANDARDRA	0.19	3.07	32	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.13	3.90	6	5
GHATGHAR	0.58	19.53	125	0
Total	2.24	51.77		
Wind				
Total	40.25	403.16	0	0
Total	40.25	403.16		
CPP				
APML(Mus)	12.34	695.84	0	0
JSWEL(Mus)	26.97	593.85	0	0
VIPL(Mus)	10.10	271.89	0	0
RPLAMT(Mus)	14.20	363.51	0	0
WPCL(Mus)	2.75	63.57	0	0
Other(Mus)	4.93	115.37	0	0
Total	71.29	2104.03		
SOLAR				
Total	1.43	29.16	0	0
Total	1.43	29.16		
Tata				
Trombay 5	7.82	216.28	417	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.57	55.33	109	59
Trombay 7B	0.64	30.97	62	24
Trombay 8	5.00	125.90	241	202
TATA Hydro	0.13	59.62	54	6
Total	15.16	488.11		
R-INFRA				
1-2	9.62	242.96	402	400
Total	9.62	242.96		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 8	0.00	0.00
Chandrapur 9	0.00	1.92
Koradi 9	10.70	172.68
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	128.84	2799.98
MSPGCL Thml+Gas	140.23	3026.37
MSPGCL Hydro	3.74	218.36

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	143.97	3244.73
Koyna 1,2 & 4 Total	1.37	135.72
State Total	281.73	6512.16

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 22/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	5487	155	473	6115	2004	3104	0	5472	5316	-1570	14969	0	14969	2749	17718	49.99
2	5489	89	485	6063	1866	3103	0	5264	4849	-1400	14481	0	14481	2560	17041	49.99
3	5204	80	494	5778	2014	3035	0	5173	5297	-1403	14721	0	14721	2419	17140	49.98
4	5222	80	484	5786	1811	2961	0	4787	5053	-1302	14309	0	14309	2307	16616	50.00
5	5180	80	496	5756	1787	2959	0	4799	4898	-1231	14169	0	14169	2236	16405	49.98
6	5146	96	557	5799	1622	2948	2	5065	5592	-1218	14745	0	14745	2223	16968	50.00
7	5192	107	571	5870	1302	2944	18	5118	5878	-1112	14900	0	14900	2116	17016	50.04
8	5229	107	547	5883	1109	3018	51	5111	5551	-1032	14580	0	14580	2037	16617	50.01
9	5297	169	535	6001	1114	3032	109	5168	5496	-1092	14660	0	14660	2097	16757	50.07
10	5297	273	535	6105	1172	3005	137	5171	5640	-1184	14875	0	14875	2189	17064	50.05
11	5511	340	487	6338	1188	3029	170	5210	5658	-1326	15057	0	15057	2329	17386	50.00
12	5665	318	500	6483	1301	3025	192	5241	5761	-1408	15354	0	15354	2412	17766	49.95
13	5781	252	475	6508	1349	2995	190	5049	5434	-1458	15018	0	15018	2463	17481	49.98
14	5814	101	479	6394	1345	3023	177	5007	5289	-1449	14779	0	14779	2456	17235	49.95
15	5772	101	469	6342	1455	3045	160	5051	5570	-1510	15062	0	15062	2515	17577	49.92
16	5822	86	417	6325	1621	3056	119	5086	5303	-1499	14925	0	14925	2543	17468	49.97
17	5413	80	440	5933	1848	2945	72	4966	4787	-1460	14125	0	14125	2488	16613	49.98
18	5307	275	425	6007	2033	2852	30	3820	4566	-1390	14098	0	14098	2398	16496	50.01
19	5259	143	422	5824	2054	2870	6	3712	3712	-1352	13114	0	13114	2358	15472	50.00
20	5176	232	417	5825	2074	2877	0	4871	4817	-1476	14117	0	14117	2482	16599	49.91
21	5148	297	420	5865	2106	2872	0	4926	5324	-1620	14547	0	14547	2624	17171	49.96
22	5125	117	414	5656	2046	2874	0	4914	5017	-1661	13932	0	13932	2696	16628	49.91
23	5156	76	434	5666	2097	2858	0	4842	5329	-1614	14336	0	14336	2707	17043	49.97
24	5145	91	413	5649	1931	2861	0	5038	5441	-1648	14234	0	14234	2795	17029	49.98
MUs	128.84	3.75	11.39	143.97	40.25	71.29	1.43	118.86	125.58	-33.42	349.11	0.00	349.11	58.20	407.31	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 22/May/2016

Position as on 6.30 Hrs of 23/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	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	
IPP	RPL(AMT) U-4	270	21/05/2016	16.15		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/May/2016

Position as on 6.30 Hrs of 23/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-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	
MSPGCL	Chandrapur Unit-8	500	23/05/2016	05.10		Continued.	Flame Failure	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/May/2016

Statement-VII

Position as on 6.30 Hrs of 23/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.
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	Dismantling of Conductor Reorintation.
Ektuni-Bableswhar ckt II	IntraState	19/05/2016	09.44		Continued.	HT	To Control BBLR Padghe Loading.
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
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 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-Wadkhali	IntraState	20/05/2016	11.28	22/05/2016	19.31	PO	CT Replacement 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.

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