

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 23/Mar/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	100.464	2250.841	1) Gujrat	-0.681	-60.204
2) Hydro	6.823	160.919	2) Madhya Pradesh	14.691	272.469
3) Gas	10.643	236.032	3) Chattisgarh	7.830	157.710
Total MSPGCL	117.930	2647.792	4) Maharashtra Net	99.432	2060.508
B) 1) APLM	66.390	1427.532	5) Goa (Amona)	-0.038	-12.070
2) JSWEL	28.608	607.317	6) TAPS 1&2 Injection	3.597	83.396
3) VIPL	13.288	277.649	7) RGPPL Injection	11.929	264.487
4) RPL(AMT)	21.167	427.061	8) Pench (MS)	0.003	3.793
5) WPCL	2.981	87.975	9) Pench (Excess)	-0.003	-3.793
6) Other IPP	7.687	190.666	Total	136.757	2762.503
C) 1) TPCL Thermal	16.035	319.954	a) Mumbai Schedule	25.612	482.219
2) TPCL Hydro	3.377	72.014	b) Mumbai Drawl	30.751	588.147
3) TPCL Gas	4.327	96.829	c) MSEDCL Bilateral *	28.745	707.038
4) R-INFRA Thermal	5.734	224.728	Include PX	-5.581	-34.582
D) STATE			d) Mumbai Bilateral *	25.612	481.519
1) Thermal	262.354	5813.723	Include PX	7.305	84.891
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro (A2+C2)	10.200	232.933	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	14.970	332.861	1) MSEDCL	373.909	8089.699
4) Wind	8.447	218.326	2) Mumbai Discoms	60.224	1301.659
6) SOLAR	1.405	31.025	TOTAL STATE	434.133	9391.358
TOTAL STATE	297.376	6628.868			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4078	4425	4448	3936
MSPGCL Hydro	623	933	199	115
MSPGCL Gas	425	421	427	458
MSPGCL Total Generation	5126	5779	5074	4509
Central Sector Receipt	6647	6099	5456	4827
WIND	740	49	148	485
CPP / IPP	5580	6087	6074	5778
SOLAR	172	132	0	0
Exchange with Mumbai	-1417	-1579	-1457	-766
MSEDCL DEMAND MET	16848	16567	15295	14833
Load Shedding	0	0	0	0
MSEDCL DEMAND	16848	16567	15295	14833
TPCL GENERATION	1311	1194	1017	893
R-INFRA GENERATION	251	256	260	201
MUMBAI DEMAND	2979	3029	2734	1860
STATE DEMAND MET	19827	19596	18029	16693
STATE DEMAND	19827	19596	18029	16693
Frequency (Hz)	49.93	49.97	50.01	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 18:02 Hrs	49.74 Hz at 00:07 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 23/Mar/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	4.01	0	0
Unit 8	0.00	79.53	0	0
Total	0.00	83.54		
Bhusawal				
Unit 2	4.08	75.11	190	140
Unit 3	4.04	83.64	180	160
Unit 4	10.24	97.51	500	350
Unit 5	10.36	215.26	500	350
Total	28.72	471.52		
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	4.60	84.06	204	175
Unit 4	4.49	98.45	193	165
Unit 5	10.84	230.18	465	400
Unit 6	0.00	40.63	0	0
Unit 7	10.13	215.41	439	380
Total	30.06	668.72		
Paras				
Unit 3	5.87	106.08	260	214
Unit 4	5.90	84.46	260	190
Total	11.78	190.55		
Khaparkheda				
Unit 1	4.01	86.24	175	160
Unit 2	4.09	92.40	185	150
Unit 3	4.32	81.80	193	160
Unit 4	4.53	91.99	205	162
Unit 5	0.00	146.97	0	0
Total	16.95	499.40		
Nasik				
Unit 3	4.38	76.17	205	165
Unit 4	4.20	93.66	193	155
Unit 5	4.36	91.18	201	161
Total	12.94	261.00		
Uran				
All Units	10.64	236.03	474	410
Total	10.64	236.03		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.00	3.79	3	0
Total	0.00	3.79		
Koyna				
Stage 1-2	2.30	63.96	340	40
Stage 4	0.91	23.86	405	0
Stage 3	1.03	18.18	160	0
Total	4.24	106.00		
Hydro				
KDPH	0.38	11.82	17	16
VTRNA	0.00	0.00	0	0
TILLARI	0.24	4.03	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	4.48	40	0
RNGR+BHTSA	0.22	4.62	12	0
BHANDARDRA	0.51	1.55	43	9
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.71	20.60	30	29
GHATGHAR	0.38	7.82	147	0
Total	2.58	54.92		
Wind				
Total	8.45	218.33	0	0
Total	8.45	218.33		
CPP				
APML(Mus)	66.39	1427.53	0	0
JSWEL(Mus)	28.61	607.32	0	0
VIPL(Mus)	13.29	277.65	0	0
RPLAMT(Mus)	21.17	427.06	0	0
WPCL(Mus)	2.98	87.98	0	0
Other(Mus)	7.69	190.67	0	0
Total	140.12	3018.20		
SOLAR				
Total	1.40	31.02	0	0
Total	1.40	31.02		
Tata				
Trombay 5	10.41	218.99	490	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	60.63	114	113
Trombay 7B	1.60	36.20	68	66
Trombay 8	5.62	100.96	247	199
TATA Hydro	3.38	72.01	397	0
Total	23.74	488.80		
R-INFRA				
1-2	5.73	224.73	260	199
Total	5.73	224.73		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.00
---------------------	--------------	------	----------	------

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	100.46	2250.84
MSPGCL Thml+Gas	111.11	2486.87

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.82	160.92
MSPGCL Total	117.93	2647.79

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.21	87.82
State Total	297.38	6628.87

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Mar/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	4412	149	458	5019	268	6060	0	4776	4918	-1038	15227	0	15227	2206	17433	49.90
2	4440	139	458	5037	281	6073	0	4794	4770	-862	15299	0	15299	2034	17333	49.95
3	4248	105	468	4821	360	5803	0	4844	4851	-821	15014	0	15014	1925	16939	49.97
4	3936	115	458	4509	485	5778	0	4787	4827	-766	14833	0	14833	1860	16693	49.97
5	3914	115	469	4498	538	5779	0	4943	4926	-859	14882	0	14882	1823	16705	49.96
6	3909	110	461	4480	629	5657	0	5292	5324	-989	15101	0	15101	1886	16987	49.98
7	4116	126	474	4716	678	5807	0	5609	5721	-937	15985	0	15985	1972	17957	50.01
8	4372	179	464	5015	611	5778	23	5761	5462	-897	15992	0	15992	2067	18059	49.98
9	4407	111	471	4989	728	5770	87	6029	6019	-1177	16416	0	16416	2365	18781	49.96
10	4068	322	438	4828	792	5663	134	6127	6161	-1400	16178	0	16178	2753	18931	49.92
11	4078	623	425	5126	740	5580	172	6237	6647	-1417	16848	0	16848	2979	19827	49.93
12	3805	453	441	4699	471	5573	191	6274	6865	-1495	16304	0	16304	3003	19307	49.84
13	4114	550	412	5076	185	5672	195	6108	6542	-1478	16192	0	16192	3019	19211	49.92
14	4402	280	410	5092	62	6030	186	5976	6202	-1470	16102	0	16102	2953	19055	49.99
15	4393	542	410	5345	47	6085	165	6020	6168	-1610	16200	0	16200	3018	19218	49.97
16	4425	933	421	5779	49	6087	132	6075	6099	-1579	16567	0	16567	3029	19596	49.97
17	4414	614	423	5451	84	6088	86	6033	6090	-1485	16314	0	16314	3002	19316	49.97
18	4213	116	434	4763	107	5831	33	5577	5539	-1477	14796	0	14796	2894	17690	50.09
19	3962	217	428	4607	146	5694	1	5550	5494	-1490	14452	0	14452	2709	17161	50.05
20	4448	199	427	5074	148	6074	0	5756	5456	-1457	15295	0	15295	2734	18029	50.01
21	4201	125	443	4769	166	5858	0	5816	5748	-1456	15085	0	15085	2604	17689	49.97
22	4118	134	437	4689	228	5816	0	5335	5503	-1501	14735	0	14735	2504	17239	49.97
23	4058	289	461	4808	291	5788	0	5263	5631	-1558	14960	0	14960	2451	17411	49.97
24	4011	277	452	4740	353	5780	0	5585	5792	-1532	15133	0	15133	2434	17567	49.97
MUs	100.46	6.82	10.64	117.93	8.45	140.12	1.41	134.57	136.75	-30.75	373.91	0.00	373.91	60.22	434.13	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 23/Mar/2016

Position as on 6.30 Hrs of 24/Mar/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,(Converted to AOH for 30 Days from 00.00Hrs 06-03-2016)	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Khaparkhedha Unit 5	500	15/03/2016	01.12		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		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		Continued.	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	
RGPL	Dabhol 3X	290	03/02/2016	15:36		Continued.	Change Over	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	Change Over , No Schedule	
MSPGCL	Koradi Unit 5	200	18/02/2016	11.21		Continued.	MSEDCL Zero Shedule.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koradi Unit 7	210	01/03/2016	23.55		Continued.	Zero Schedule Given by MSEDCL.	
MSPGCL	Uran Unit 8	108	04/03/2016	22.55		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	05/03/2016	10.15		Continued.	Turbine bearing Vabration high	
MSPGCL	Koradi Unit-8	660	10/03/2016	12.30		Continued.	Ash Evecuation Problem.	
MSPGCL	Koyana Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
RINFRA-G	REL Unit 2	250	18/03/2016	08.39		Continued.	Stator Earth Fault	
IPP	WPCL U-3	135	19/03/2016	00.00		Continued.	ESP Back Filter DC High	
IPP	RPL(AMT) U-1	270	20/03/2016	00.00		Continued.	Zero schedule by MSEDCL	
MSPGCL	Koradi Unit 9	660	21/03/2016	00.47		Continued.	ash evacuation problem	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Mar/2016

Position as on 6.30 Hrs of 24/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana Unit 6	75	22/03/2016	08.35		Continued.	Attending TGB Oil Leakage.	
MSPGCL	Bhusawal Unit 2	210	24/03/2016	00.05		Continued.	Due to No Schedule.	
MSPGCL	Nasik Unit 4	210	24/03/2016	00.10		Continued.	Due to No Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 24/Mar/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							
HVDC Pole-I	IntraState	22/03/2016	22.40	23/03/2016	00.40	PO	Maintenance Work.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	22/03/2016	18.08	23/03/2016	09.23	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	23/03/2016	17.18		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	23/03/2016	18.06		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over(outage taken on 2/3/2016 at 10.34hrs for commissioning of 765KV Ektuni S/Stn)
Bhusawal-Aurangabad	IntraState	14/03/2016	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	17/03/2016	14.36		Continued.	PO	Attending Hot Spot RFC AT 17.24
Bhusawal-Aurangabad	IntraState	21/03/2016	11.20		Continued.	PO	CRM Work.
karad -kolhapur-II	IntraState	23/03/2016	16.26		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2016	17.09	23/03/2016	09.14	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/03/2016	17.29		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Hingoli- Girawali	InterState	14/02/2016	12.37		Continued.	HT	To Improve Voltage @ Hingoli.
Nasik Navsari I	InterState	23/03/2016	13.42	23/03/2016	15.40	T	Distance Protection
Boisar(MS) - Boisar (PG) II	InterState	24/03/2016	06.47		Continued.	PO	For Sefty purpose formation pf PG -3 Line.
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.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
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
Chitegaon-Shendra Ckt-I	IntraState	18/03/2016	06.57		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG S/S.
Chitegaon-Shendra Ckt-II	IntraState	18/03/2016	06.58		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG S/S.
Boisar Versova Line	IntraState	19/03/2016	09.59	23/03/2016	11.53	HT	To control O/L of Boisar-Boisar PG line.(Dahanu U-2OUT)
Bableswhar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Uran - Apta III	IntraState	21/03/2016	08.08	23/03/2016	17.52	PO	Tower Replacement Work.
Uran - Apta IV	IntraState	21/03/2016	08.28	23/03/2016	18.14	PO	Tower Replacement Work.
Lamboti-Vita	IntraState	23/03/2016	05.11	23/03/2016	05.23	T	Distance Protection
Magar Patta City- Serum	IntraState	23/03/2016	10.59	23/03/2016	12.02	PO	ON TBC Breaker CRM Work.
Ghodbunder - Versova	IntraState	23/03/2016	11.42	23/03/2016	13.34	T	Distance Protection
Aurangabad (Waluj)-Bhenda	IntraState	23/03/2016	11.45	23/03/2016	13.30	EO	For Tightening of Nut Bolt.
Versova Gorai Line	IntraState	23/03/2016	11.45	23/03/2016	13.32	T	Distance Protection
Boisar Versova Line	IntraState	23/03/2016	13.49		Continued.	HT	To control O/L of 220kv Bo-Bo PG D/C.

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 23/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 24/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay - Mulund	IntraState	23/03/2016	15.40	23/03/2016	17.24	T	Distance Protection
Sonkhar - Trombay	IntraState	23/03/2016	17.03	23/03/2016	18.39	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	24/03/2016	06.33		Continued.	HT	To Control O/L of 220kv Bo-bo PG D/C.
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 200 Mva Cgl Ptr No 5 @Parvati	IntraState	22/03/2016	12.50		Continued.	PO	HV Side Taken on TBC for Main Bay Overhauling(for 3 Days).
220/110kv 100MVA ICT-II@ Wathar	IntraState	23/03/2016	09.35	23/03/2016	15.00	PO	Testing Work
132 KV LINE Outages/Trippings							
Nandurbar - Visarwadi	IntraState	22/03/2016	18.25		Continued.	T	Distance Protection

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