

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Apr/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.477	2307.049	1) Gujrat	-2.635	-22.840
2) Hydro	23.188	433.848	2) Madhya Pradesh	17.079	307.591
3) Gas	6.672	100.612	3) Chattisgarh	5.820	102.250
Total MSPGCL	150.337	2841.509	4) Maharashtra Net	94.679	1666.691
B) 1) APML	57.950	881.140	5) Goa	-6.982	-133.264
2) JSWEL	18.795	414.986	6) TAPS 1&2 Injection	3.516	68.228
3) VIPL	10.918	214.718	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.160	128.539	8) Pench (MS)	0.000	1.074
5) WPCL	2.615	50.057	9) Pench (Excess)	0.000	-1.074
6) Other IPP	7.633	156.615	Total	111.477	1987.582
C) 1) TPCL Thermal	10.733	330.403	a) Mumbai Schedule	19.860	426.785
2) TPCL Hydro	4.076	74.018	b) Mumbai Drawl	27.779	466.127
3) TPCL Gas	2.576	44.474	c) MSEDCL Bilateral *	19.378	416.519
4) R-INFRA Thermal	9.547	207.538	Include PX	0.062	-25.494
D) STATE			d) Mumbai Bilateral *	19.659	421.135
1) Thermal	243.828	4691.045	Include PX	0.551	7.632
(A1+C1+C4+(B1-B6))			Include Standby	0.201	5.650
2) Hydro	27.264	507.866	H) ENERGY CATERED (MUs)		
3) Gas	9.248	145.086	1) MSEDCL	347.162	6406.227
4) Wind	8.574	172.084	2) Mumbai Discoms	54.713	1122.552
6) SOLAR	1.482	24.050	TOTAL STATE	401.875	7528.779
TOTAL STATE	290.396	5540.131			

* 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 5 Hrs
MSPGCL Thermal	5356	5145	4707	4812
MSPGCL Hydro	1902	1920	1186	111
MSPGCL Gas	267	273	276	285
MSPGCL Total Generation	7525	7338	6169	5208
Central Sector Receipt	4633	4695	4438	4948
WIND	173	224	389	483
CPP / IPP	4394	4394	4243	4242
SOLAR	203	144	0	0
Exchange with Mumbai	-1096	-1260	-1311	-920
MSEDCL DEMAND MET	15832	15535	13928	13961
Load Shedding	45	40	39	43
MSEDCL DEMAND	15877	15575	13967	14004
TPCL GENERATION	711	628	793	835
R-INFRA GENERATION	517	519	379	260
MUMBAI DEMAND	2324	2407	2483	2015
STATE DEMAND MET	18156	17942	16411	15976
STATE DEMAND	18201	17982	16450	16019
Frequency (Hz)	49.96	49.99	49.92	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 18:02 Hrs	49.69 Hz at 21:08 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 19/Apr/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.89	44.72	170	155
Unit 6	0.00	0.00	0	0
Unit 7	2.48	71.98	180	0
Total	6.37	116.70		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.13	77.45	185	132
Unit 4	10.32	190.88	505	355
Unit 5	7.54	170.74	350	270
Total	21.99	439.06		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	25.46	0	0
Unit 5	3.52	65.49	155	137
Unit 6	0.00	66.86	0	0
Unit 7	5.30	88.34	250	191
Total	8.83	246.15		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.08	60.62	131	125
Unit 3	4.48	86.50	205	171
Unit 4	4.33	79.14	192	162
Unit 5	9.69	163.21	430	380
Unit 6	9.39	181.89	425	355
Unit 7	9.43	179.15	449	355
Total	40.40	750.50		
Paras				
Unit 3	5.13	77.22	239	192
Unit 4	4.83	60.23	218	191
Total	9.96	137.46		
Khaparkheda				
Unit 1	4.29	80.15	195	160
Unit 2	0.00	0.44	0	0
Unit 3	0.00	11.38	0	0
Unit 4	4.43	62.95	200	174
Unit 5	10.95	211.45	506	400
Total	19.67	366.36		
Nasik				
Unit 3	4.53	87.68	210	150
Unit 4	4.36	85.26	197	139
Unit 5	4.36	77.87	196	150
Total	13.26	250.81		
Uran				
All Units	6.67	100.61	286	267
Total	6.67	100.61		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.00	1.07	0	0
Total	0.00	1.07		
Koyna				
Stage 1-2	5.96	109.85	515	40
Stage 4	10.11	174.77	999	0
Stage 3	3.66	61.84	298	0
Total	19.74	346.45		
Hydro				
KDPH	0.43	10.72	18	17
VTRNA	1.08	19.95	61	0
TILLARI	0.38	6.80	64	0
BHTGR/VEER	0.04	1.03	2	1
BHIRA T.R.	0.18	3.96	80	0
RNGR+BHTSA	0.28	4.68	12	11
BHANDARDRA	0.00	7.28	0	0
ELDARY	0.00	0.72	0	0
SMLHY_PTN	0.87	18.28	43	34
GHATGHAR	0.18	13.99	125	0
Total	3.45	87.39		
Wind				
Total	8.57	172.08	0	0
Total	8.57	172.08		
CPP				
APML(Mus)	57.95	881.14	0	0
JSWEL(Mus)	18.80	414.99	0	0
VIPL(Mus)	10.92	214.72	0	0
RPLAMT(Mus)	5.16	128.54	0	0
WPCL(Mus)	2.62	50.06	0	0
Other(Mus)	7.63	156.62	0	0
Total	103.07	1846.06		
SOLAR				
Total	1.48	24.05	0	0
Total	1.48	24.05		
Tata				
Trombay 5	4.78	199.78	380	171
Trombay 6	0.00	19.93	0	0
Trombay 7A	1.43	24.73	60	59
Trombay 7B	1.14	19.74	49	47
Trombay 8	5.95	110.69	251	239
TATA Hydro	4.08	74.02	339	15
Total	17.38	448.90		
R-INFRA				
1-2	9.55	207.54	519	260
Total	9.55	207.54		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	120.48	2307.05
MSPGCL Thml+Gas	127.15	2407.66

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	23.19	433.85
MSPGCL Total	150.34	2841.51

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	16.07	284.62
State Total	290.40	5540.13

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Apr/2015

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	4831	948	271	6050	500	4169	0	4733	4779	-1196	14302	58	14360	2508	16868	49.96
2	4821	524	272	5617	495	4224	0	4638	4779	-1105	14010	43	14053	2322	16375	49.95
3	4794	438	274	5506	492	4225	0	4553	4740	-989	13974	43	14017	2165	16182	49.96
4	4800	162	278	5240	549	4210	0	4554	4909	-890	14018	43	14061	2060	16121	49.94
5	4812	111	285	5208	483	4242	0	4551	4948	-920	13961	43	14004	2015	16019	49.99
6	4832	483	281	5596	512	4162	0	4545	4998	-1084	14184	45	14229	2019	16248	50.01
7	5072	926	280	6278	355	4298	8	4478	4575	-997	14517	53	14570	1979	16549	50.05
8	5425	442	282	6149	426	4374	39	4522	4360	-948	14400	58	14458	1952	16410	50.03
9	5416	517	286	6219	331	4445	102	4524	4966	-1052	15011	56	15067	1998	17065	50.02
10	5364	1097	275	6736	360	4365	136	4532	4848	-1052	15393	48	15441	2134	17575	50.02
11	5409	1531	268	7208	186	4431	166	4536	4692	-1029	15654	45	15699	2240	17939	49.95
12	5356	1902	267	7525	173	4394	203	4539	4633	-1096	15832	45	15877	2324	18201	49.96
13	5317	1467	285	7069	264	4341	201	4541	4731	-1193	15413	58	15471	2364	17835	49.97
14	5357	1206	286	6849	231	4395	204	4543	4459	-1255	14883	51	14934	2364	17298	50.02
15	5248	1632	278	7158	185	4360	166	4546	4642	-1292	15219	49	15268	2395	17663	49.96
16	5145	1920	273	7338	224	4394	144	4538	4695	-1260	15535	40	15575	2407	17982	49.99
17	5003	1573	280	6856	337	4391	83	4530	4396	-1265	14798	44	14842	2381	17223	50.01
18	4981	513	278	5772	381	4249	28	4204	4164	-1228	13366	44	13410	2288	15698	50.13
19	4771	377	278	5426	382	4192	2	4167	3859	-1272	12589	43	12632	2238	14870	50.03
20	4683	1134	286	6103	333	4135	0	4495	4543	-1315	13799	54	13853	2441	16294	49.93
21	4707	1186	276	6169	389	4243	0	4525	4438	-1311	13928	39	13967	2483	16450	49.92
22	4696	891	277	5864	371	4259	0	4544	4734	-1350	13878	39	13917	2510	16427	49.94
23	4726	1032	278	6036	330	4279	0	4474	4843	-1356	14132	39	14171	2539	16710	49.93
24	4911	1176	278	6365	285	4294	0	4495	4746	-1324	14366	39	14405	2585	16990	49.96
MUs	120.48	23.19	6.67	150.34	8.57	103.07	1.48	108.31	111.48	-27.78	347.16	1.12	348.28	54.71	402.99	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 19/Apr/2015

Position as on 6.30 Hrs of 20/Apr/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Parli Unit 3	210	13/02/2013	23:50		Continued.	Water Shortage	
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling Work. (60 Days)	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Renovation and Modification work	
MSPGCL	Khaparkheda Unit 2	210	01/04/2015	03.16		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	WPCL U-2	135	18/02/2014	00.02		Continued.	Ash conveying Problem	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP	WPCL U-4	135	18/03/2015	02.34		Continued.	Withdrawn	
IPP	RPL(AMT) U-1	270	21/03/2015	23.28		Continued.	Turbine vibration high.	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-4	270	03/04/2015	11.42		Continued.	Boiler feed Pump problem.	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit A0	120	04/04/2015	14.38		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 3	210	04/04/2015	22.52		Continued.	Gland Steam Temp. High.	
IPP	RPL(AMT) U-3	270	05/04/2015	22.01		Continued.	Governor AVR Problem.	
TPC-G	Trombay 6	500	06/04/2015	16.27		Continued.	Economic shut down.	
IPP	Adani U-2	660	09/04/2015	15.50		Continued.	Boiler feed Pump Problem.	
IPP	WPCL U-3	135	11/04/2015	23.56	19/04/2015	11.27	ID Fan Vibration Problem.	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high.	
MSPGCL	Parli Unit 6	250	15/04/2015	18.00		Continued.	Boiler Tube Leakage	
RINFRA-G	REL Unit 1	250	16/04/2015	14.55	19/04/2015	07.34	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Apr/2015

Position as on 6.30 Hrs of 20/Apr/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
CPP	WPCL U-1	135	19/04/2015	14.10		Continued.	Turbine problem	
MSPGCL	Koradi Unit 7	210	19/04/2015	15.01		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	20/04/2015	00.00		Continued.	no buyer as per msdcl regirment	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2015

Statement-VII

Position as on 6.30 Hrs of 20/Apr/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Wardha(PG)-Aurangabad(PG) I	InterState	15/04/2015	09.25		Continued.	HT	To Control 400kv Line Loading.
Wardha PG -Aurangabad PG III	IntraState	19/04/2015	12.55	19/04/2015	19.37	HT	Over Voltage
400 KV LINE Outages/Trippings							
Akola II - RPL(Rattaniindia) Ckt I	InterState	07/04/2015	00.27		Continued.	T	Over Current Protection
Parli (PG) - Talegaon(PG)- I	InterState	16/04/2015	12.10	19/04/2015	00.14	PO	Tower leg bending work
Parli (PG) - Talegaon(PG)- II	InterState	16/04/2015	12.30	19/04/2015	00.26	PO	Tower leg bending work
Dhule Sar'Sarovar I	InterState	18/04/2015	04.47	19/04/2015	06.52	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	18/04/2015	18.17	19/04/2015	06.59	HT	Over Voltage
Kolhapur Mapusa II	InterState	18/04/2015	22.03	19/04/2015	07.19	HT	Over Voltage
Wardha (Pg) Warora I	InterState	19/04/2015	13.20	19/04/2015	20.59	T	Distance Protection
Kolhapur Solapur(PG) I	InterState	19/04/2015	17.08		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	19/04/2015	18.21		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	08/04/2015	22.45		Continued.	HT	HT For Controlling 400KV BABLESHWAR - PADGHA
karad -kolhapur-I	IntraState	18/04/2015	17.04	19/04/2015	06.33	HT	Over Voltage
Karad-Jaigad - I	IntraState	18/04/2015	17.05	19/04/2015	06.40	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	18/04/2015	20.24	19/04/2015	07.16	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	19/04/2015	09.25		Continued.	PO	Replacement work
Padghe - Kalwa- I	IntraState	19/04/2015	09.35	19/04/2015	12.08	PO	Taken on TBC
Spare line III Bay @ Chakan	IntraState	19/04/2015	11:12	19/04/2015	18:08	PO	Testing of Main-I Realy
karad -kolhapur-II	IntraState	19/04/2015	16.30		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/04/2015	16.33		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/04/2015	18.03		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/04/2015	18.07	20/04/2015	06.31	HT	Over Voltage
Chandrapur-Parali III	IntraState	19/04/2015	20.20		Continued.	PO	Bus isolator problem
Bableshwar- Aurangabad (Waluj)	IntraState	19/04/2015	22.21	20/04/2015	02.47	EO	CT oil leakage
400 KV ICT Outages/Trippings							
500MVA ICT III @ Dhule	IntraState	19/04/2015	09:14	19/04/2015	19:17	PO	testing work
400/220/33kv 315MVA ICT2 @Lonikand	IntraState	19/04/2015	20.00	19/04/2015	23.35	PO	Annual Maintenance Work
220 KV LINE Outages/Trippings							
Nasik Navsari II	InterState	16/04/2015	17.02	19/04/2015	09.55	HT	Nashik end to control bus section loading
Mudshingi - Chikodi	InterState	18/04/2015	05.58		Continued.	HT	Construction Work of 765kv Kudgi -kolhapur D/C Line by PGCIL.
Talandage - Chikodi	InterState	18/04/2015	05.58		Continued.	HT	Construction Work of 765kv Kudgi -kolhapur D/C Line by PGCIL.
Nasik Navsari I	InterState	19/04/2015	10.09	19/04/2015	19.05	PO	Insulator washing work
TBC @ Parli-II	IntraState	07/01/2015	15.48		Continued.	PO	Shifting of control panel
Sahara-Urse	IntraState	03/03/2015	11.06		Continued.	PO	Tower erection work (90Days)
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 deenergising 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 deenergising the line bet.86 to 107.

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/Tripping for 19/Apr/2015

Statement-VII

Position as on 6.30 Hrs of 20/Apr/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Apta - Taloja	IntraState	17/04/2015	08.05		Continued.	PO	CKT on TBC Breaker O/H Work.
Dahanu Boisar Line	IntraState	18/04/2015	10.26	19/04/2015	07.53	HT	control line loading
Bableshwar- Alephata	IntraState	18/04/2015	23.18	19/04/2015	17.21	HT	To control ICT loading
Mahape - TfipI	IntraState	19/04/2015	09.38	19/04/2015	13.10	PO	To attend Hot Spot
Nagar-Babhaleshwar Ckt II	IntraState	19/04/2015	10:14	19/04/2015	18:35	PO	wave trap, CC commissioning
Talandge-Mudshingi Ckt-I	IntraState	19/04/2015	11.27	19/04/2015	18.40	PO	Line Maintenance work
Miraj - Mhaishal	IntraState	19/04/2015	14.47	19/04/2015	16.55	T	Distance Protection
Interconnector Breaker @ pophali	IntraState	19/04/2015	17.20		Continued.	PO	Y phase breaker top clamp replacement
220 KV ICT Outages/Tripping							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Monkey Fault
200MVA ICT I @ Kedgaon	IntraState	19/04/2015	11:47	19/04/2015	17:20	PO	Q. M. Bay Maintenance work and CTR Maintenance work and relay testing
220/132Kv 200MVA ICT-II @ Mudshingi	IntraState	19/04/2015	22.45		Continued.	PO	Attending PNRV

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