

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2015 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	110.186	2535.097	1) Gujrat	3.190	-21.178
2) Hydro	31.678	498.533	2) Madhya Pradesh	20.188	345.542
3) Gas	6.638	113.956	3) Chattisgarh	7.390	116.860
Total MSPGCL	148.502	3147.586	4) Maharashtra Net	97.330	1862.883
B) 1) APMIL	56.080	992.700	5) Goa	-8.003	-149.065
2) JSWEL	23.257	458.873	6) TAPS 1&2 Injection	3.502	75.236
3) VIPL	13.115	239.669	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.890	140.339	8) Pench (MS)	0.097	1.178
5) WPCL	8.141	63.364	9) Pench (Excess)	-0.097	-1.178
6) Other IPP	6.315	169.796	Total	123.500	2229.100
C) 1) TPCL Thermal	17.442	363.115	a) Mumbai Schedule	27.714	479.773
2) TPCL Hydro	6.154	86.958	b) Mumbai Drawl	28.523	524.577
3) TPCL Gas	4.122	51.200	c) MSEDCL Bilateral *	29.360	469.810
4) R-INFRA Thermal	12.369	232.299	Include PX	0.075	-25.343
D) STATE			d) Mumbai Bilateral *	27.714	474.123
1) Thermal	252.795	5195.252	Include PX	1.500	10.361
(A1+C1+C4+(B1-B6))			Include Standby	0.000	5.650
2) Hydro	37.832	585.491	H) ENERGY CATERED (MUs)		
3) Gas	10.760	165.156	1) MSEDCL	363.602	7129.409
4) Wind	5.933	184.519	2) Mumbai Discoms	68.610	1258.139
6) SOLAR	1.392	26.862	TOTAL STATE	432.212	8387.548
TOTAL STATE	308.712	6157.280			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4341	4320	4454	4893
MSPGCL Hydro	2408	2210	515	544
MSPGCL Gas	266	268	273	292
MSPGCL Total Generation	7015	6798	5242	5729
Central Sector Receipt	5586	5475	5368	4699
WIND	111	131	550	328
CPP / IPP	4711	4711	4784	4494
SOLAR	178	211	0	0
Exchange with Mumbai	-1509	-1505	-1370	-735
MSEDCL DEMAND MET	16092	15821	14574	14515
Load Shedding	531	687	43	47
MSEDCL DEMAND	16623	16508	14617	14562
TPCL GENERATION	1381	1388	1224	911
R-INFRA GENERATION	501	509	519	519
MUMBAI DEMAND	3391	3402	3113	2165
STATE DEMAND MET	19483	19223	17687	16680
STATE DEMAND	20014	19910	17730	16727
Frequency (Hz)	49.94	49.93	49.95	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 18.03 Hrs	49.72 Hz at 00.08 Hrs	49.94	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/Apr/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.10	51.52	165	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	71.98	0	0
Total	3.10	123.50		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	77.45	0	0
Unit 4	4.32	205.93	500	0
Unit 5	8.16	187.02	360	310
Total	12.47	470.39		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	25.46	0	0
Unit 5	3.53	72.52	152	140
Unit 6	4.04	70.90	246	0
Unit 7	5.77	99.64	250	227
Total	13.35	268.53		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.03	66.71	131	120
Unit 3	4.74	95.77	203	185
Unit 4	4.51	87.99	194	157
Unit 5	10.26	183.52	430	414
Unit 6	9.68	201.10	420	385
Unit 7	9.42	198.19	415	295
Total	41.63	833.28		
Paras				
Unit 3	5.11	87.90	240	195
Unit 4	4.73	70.08	220	157
Total	9.84	157.98		
Khaparkheda				
Unit 1	4.26	88.66	185	165
Unit 2	0.00	0.44	0	0
Unit 3	0.00	11.38	0	0
Unit 4	4.61	72.15	198	188
Unit 5	11.85	235.29	500	486
Total	20.72	407.92		
Nasik				
Unit 3	0.16	92.43	158	0
Unit 4	4.51	94.31	197	164
Unit 5	4.41	86.76	195	151
Total	9.07	273.49		
Uran				
All Units	6.64	113.96	292	266
Total	6.64	113.96		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.10	1.18	21	0
Total	0.10	1.18		
Koyna				
Stage 1-2	8.76	127.48	540	45
Stage 4	14.79	204.86	1120	0
Stage 3	4.39	71.12	320	0
Total	27.94	403.45		
Hydro				
KDPH	0.43	11.58	18	18
VTRNA	1.10	22.11	61	0
TILLARI	0.37	7.54	64	0
BHTGR/VEER	0.05	1.12	2	1
BHIRA T.R.	0.32	4.55	80	0
RNGR+BHTSA	0.00	4.96	0	0
BHANDARDRA	0.16	7.44	7	6
ELDARY	0.00	0.72	0	0
SMLHY_PTN	0.81	19.97	34	33
GHATGHAR	0.51	15.10	190	0
Total	3.74	95.08		
Wind				
Total	5.93	184.52	0	0
Total	5.93	184.52		
CPP				
APML(Mus)	56.08	992.70	0	0
JSWEL(Mus)	23.26	458.87	0	0
VIPL(Mus)	13.12	239.67	0	0
RPLAMT(Mus)	5.89	140.34	0	0
WPCL(Mus)	8.14	63.36	0	0
Other(Mus)	6.32	169.80	0	0
Total	112.80	2064.74		
SOLAR				
Total	1.39	26.86	0	0
Total	1.39	26.86		
Tata				
Trombay 5	11.49	220.60	488	430
Trombay 6	0.00	19.93	0	0
Trombay 7A	2.58	28.77	123	74
Trombay 7B	1.54	22.43	69	53
Trombay 8	5.95	122.59	251	241
TATA Hydro	6.15	86.96	471	25
Total	27.72	501.27		
R-INFRA				
1-2	12.37	232.30	520	496
Total	12.37	232.30		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	110.19	2535.10
MSPGCL Thml+Gas	116.82	2649.05

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	31.68	498.53
MSPGCL Total	148.50	3147.59

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	23.55	332.33
State Total	308.71	6157.28

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Apr/2015

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	4848	1800	292	6940	243	4507	0	4417	4571	-1135	15126	70	15196	2674	17870	49.83
2	4759	1549	292	6600	206	4572	0	4428	4448	-966	14860	49	14909	2437	17346	49.94
3	4813	848	292	5953	238	4684	0	4589	4735	-783	14827	47	14874	2272	17146	49.90
4	4893	544	292	5729	328	4494	0	4576	4699	-735	14515	47	14562	2165	16727	49.89
5	4913	550	288	5751	220	4650	0	4583	4624	-644	14601	47	14648	2116	16764	49.96
6	4937	835	288	6060	186	4662	0	4586	4730	-651	14987	68	15055	2153	17208	49.96
7	4963	1335	281	6579	122	4635	6	4615	4879	-750	15471	89	15560	2169	17729	49.98
8	4993	1478	278	6749	87	4770	32	4676	4962	-829	15771	92	15863	2246	18109	50.01
9	4872	1438	274	6584	34	4703	83	5249	5451	-1043	15812	94	15906	2588	18494	49.93
10	4499	2042	273	6814	28	4777	143	5363	5601	-1163	16200	139	16339	3032	19371	49.87
11	4444	2340	270	7054	92	4648	163	5458	5828	-1430	16355	163	16518	3311	19829	49.89
12	4341	2408	266	7015	111	4711	178	5450	5586	-1509	16092	531	16623	3391	20014	49.94
13	4320	2210	268	6798	131	4711	211	5174	5475	-1505	15821	687	16508	3402	19910	49.93
14	4307	1806	268	6381	154	4737	193	5276	5505	-1486	15484	578	16062	3350	19412	49.94
15	4337	1855	267	6459	167	4634	154	5195	6093	-1519	15988	252	16240	3401	19641	49.88
16	4426	2090	267	6783	294	4530	124	5103	5720	-1510	15941	356	16297	3400	19697	49.91
17	4441	1434	268	6143	316	4678	79	5375	5787	-1473	15530	314	15844	3378	19222	49.92
18	4445	508	270	5223	413	4635	24	4772	4371	-1433	13233	80	13313	3255	16568	50.03
19	4442	342	272	5056	538	4710	2	4615	4721	-1388	13639	59	13698	3093	16791	50.06
20	4454	515	273	5242	550	4784	0	4948	5368	-1370	14574	43	14617	3113	17730	49.95
21	4474	730	274	5478	456	4781	0	4948	4917	-1266	14366	43	14409	3006	17415	49.95
22	4435	556	275	5266	417	4916	0	4939	5072	-1234	14437	43	14480	2904	17384	49.90
23	4413	877	275	5565	315	5003	0	4755	5156	-1338	14701	43	14744	2883	17627	49.94
24	4417	1588	275	6280	287	4866	0	4630	5201	-1363	15271	43	15314	2871	18185	49.97
MUs	110.19	31.68	6.64	148.50	5.93	112.80	1.39	117.72	123.50	-28.52	363.60	3.98	367.58	68.61	436.19	49.94

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/Apr/2015

Position as on 6.30 Hrs of 22/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	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.	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high.	
MSPGCL	Parli Unit 6	250	15/04/2015	18.00	21/04/2015	02:44	Boiler Tube Leakage	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas 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 requirment	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Apr/2015

Position as on 6.30 Hrs of 22/Apr/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 3	210	21/04/2015	00:50		Continued.	GT Buccholz Relay Operated.	
MSPGCL	Bhusawal Unit 4	500	21/04/2015	08.58		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	21/04/2015	11.14	21/04/2015	14.29	Low Vaccum	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2015

Statement-VII

Position as on 6.30 Hrs of 22/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	21/04/2015	10.08	HT	To Control 400kv Line Loading.
Wardha PG -Aurangabad PG III	IntraState	21/04/2015	00.07		Continued.	HT	To Control Line Loading of Waluj-A'Bad PG
Wardha PG - Aurangabad PG IV	IntraState	21/04/2015	10.33		Continued.	HT	Line Rectification work
400 KV LINE Outages/Trippings							
Akola II - RPL(Rattania) Ckt I	InterState	07/04/2015	00.27		Continued.	T	Over Current Protection
Kolhapur Solapur(PG) I	InterState	20/04/2015	18:06	21/04/2015	08.43	HT	Over Voltage
Karad Solapur (PG)	InterState	21/04/2015	16.29	21/04/2015	16.57	T	Distance Protection
Dhule Sar'Sarovar I	InterState	21/04/2015	17.34		Continued.	HT	Over Voltage
Kolhapur Mapusa I	InterState	21/04/2015	17.34		Continued.	HT	Over Voltage
Padgha - Boisar (PG)	InterState	21/04/2015	18.52	21/04/2015	20.27	T	Line Reactor Differential relay operated
Babhaleshwar-Taptitanda ckt-I	IntraState	08/04/2015	22.45		Continued.	HT	HT For Controlling 400KV BABLESHWAR - PADGHA
Dhule - Bableshwar - li	IntraState	19/04/2015	09.25	21/04/2015	15.20	PO	Replacement work
karad -kolhapur-II	IntraState	20/04/2015	16:39	21/04/2015	06:22	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	20/04/2015	17:10	21/04/2015	07.12	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/04/2015	18:04	21/04/2015	06:26	HT	Over Voltage
karad -kolhapur-II	IntraState	21/04/2015	16.15		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	21/04/2015	16.45		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	21/04/2015	17.45		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT 2 @ Kolhapur	IntraState	20/04/2015	12:17		Continued.	PO	Breaker O/H Work. ICT on TBC.
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	21/04/2015	18.52	22/04/2015	04.09	T	LV side B phase CT Burst
220 KV LINE Outages/Trippings							
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.
Apta - Talaja	IntraState	17/04/2015	08.05		Continued.	PO	CKT on TBC Breaker O/H Work.
Kharghar - Nerul	IntraState	21/04/2015	04.45	21/04/2015	09.23	EO	Replacement of Y Phase CT
Talandge(400)- Mudshingi 2 Line	IntraState	21/04/2015	10.28	21/04/2015	14.22	PO	Replacement of Jumper
Telco- Chinchwad	IntraState	21/04/2015	16.38	21/04/2015	16.54	T	Distance Protection
Urse - Talegaon (Ambi) Ckt 1	IntraState	21/04/2015	16.49	22/04/2015	04.53	T	Distance Protection
Padgha - Temghar 1	IntraState	21/04/2015	19.35	22/04/2015	04.29	HT	To control Padgha ICT over loading
Padgha-Temghar-II	IntraState	21/04/2015	19.36	22/04/2015	04.30	HT	To control Padgha ICT over loading
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Monkey Fault
132 KV LINE Outages/Trippings							
Chinchwad - Chakan	IntraState	21/04/2015	12.48	21/04/2015	12.56	T	Distance Protection
Kanhan-Mansar	IntraState	21/04/2015	21.22		Continued.	T	R Phase CT Burst at Kanhan end

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/Apr/2015

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
100 KV LINE Outages/Trippings							
Padghe - Mohane	IntraState	21/04/2015	18.52	21/04/2015	19.48	T	LV side B phase CT Burst at Padghe of ICT-4
Padghe - Ambernath	IntraState	21/04/2015	18.52	21/04/2015	19.40	T	LV side B phase CT Burst at Padghe of ICT-4
Padghe - Murbad 1	IntraState	21/04/2015	18.52	21/04/2015	19.44	T	LV side B phase CT Burst at Padghe of ICT-4
Padghe - Bhiwandi 2	IntraState	21/04/2015	18.52	21/04/2015	19.43	T	LV side B phase CT Burst at Padghe of ICT-4
Padghe - Bhiwandi 1	IntraState	21/04/2015	18.52	21/04/2015	19.42	T	LV side B phase CT Burst at Padghe of ICT-4
Padghe - Murbad 2	IntraState	21/04/2015	18.52	21/04/2015	19.45	T	LV side B phase CT Burst at Padghe of ICT-4

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