

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	129.139	2171.548	1) Gujrat	-4.269	-103.713
2) Hydro	5.150	236.378	2) Madhya Pradesh	15.445	298.269
3) Gas	10.186	212.890	3) Chattisgarh	7.010	162.810
Total MSPGCL	144.475	2620.816	4) Maharashtra Net	100.362	2150.284
B) 1) APLM	50.594	1342.206	5) Goa (Amona)	-0.496	-10.880
2) JSWEL	27.194	560.632	6) TAPS 1&2 Injection	3.605	72.047
3) VIPL	13.076	265.998	7) RGPPL Injection	11.650	244.514
4) RPL(AMT)	17.214	335.637	8) Pench (MS)	0.126	2.785
5) WPCL	4.458	94.846	9) Pench (Excess)	-0.126	-2.785
6) Other IPP	6.253	152.469	Total	133.181	2810.546
C) 1) TPCL Thermal	16.408	332.814	a) Mumbai Schedule	30.151	575.507
2) TPCL Hydro	3.709	66.757	b) Mumbai Drawl	33.849	652.807
3) TPCL Gas	3.712	84.114	c) MSEDCL Bilateral *	32.835	674.606
4) R-INFRA Thermal	5.948	122.306	Include PX	-0.482	-65.170
D) STATE			d) Mumbai Bilateral *	30.151	575.507
1) Thermal	270.284	5378.456	Include PX	6.947	137.611
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	8.859	303.135	H) ENERGY CATERED (MUs)		
3) Gas	13.898	297.004	1) MSEDCL	382.397	7820.364
4) Wind	18.483	262.387	2) Mumbai Discoms	63.626	1258.804
6) SOLAR	1.318	27.634	TOTAL STATE	446.023	9079.168
TOTAL STATE	312.842	6268.616			

* 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	5601	5641	5004	5137
MSPGCL Hydro	623	311	359	79
MSPGCL Gas	417	423	443	409
MSPGCL Total Generation	6641	6375	5806	5625
Central Sector Receipt	5953	5908	5619	5252
WIND	489	835	1269	555
CPP / IPP	5062	5134	4591	4885
SOLAR	152	112	0	0
Exchange with Mumbai	-1596	-1650	-1447	-967
MSEDCL DEMAND MET	16701	16714	15838	15350
Load Shedding	0	0	0	0
MSEDCL DEMAND	16701	16714	15838	15350
TPCL GENERATION	1216	1234	1123	851
R-INFRA GENERATION	250	255	258	202
MUMBAI DEMAND	3062	3139	2828	2020
STATE DEMAND MET	19763	19854	18666	17370
STATE DEMAND	19763	19854	18666	17370
Frequency (Hz)	49.98	49.95	49.92	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.:03 Hrs	49.76 Hz at 20:20 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 21/Apr/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	0.00	0	0
Unit 8	8.66	53.10	365	360
Total	8.66	53.10		
Bhusawal				
Unit 2	3.26	77.46	140	130
Unit 3	4.04	74.78	180	160
Unit 4	10.58	220.49	505	350
Unit 5	10.66	224.01	510	340
Total	28.53	596.74		
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	94.82	200	172
Unit 4	4.33	73.24	189	162
Unit 5	10.32	212.33	450	365
Unit 6	10.89	40.77	478	380
Unit 7	10.05	190.15	440	365
Total	40.19	611.31		
Paras				
Unit 3	5.80	117.44	258	192
Unit 4	5.95	110.98	261	206
Total	11.75	228.42		
Khaparkheda				
Unit 1	3.90	80.48	170	145
Unit 2	3.96	73.92	175	155
Unit 3	4.26	92.57	192	161
Unit 4	4.12	92.78	203	160
Unit 5	10.86	97.55	500	380
Total	27.11	437.31		
Nasik				
Unit 3	4.37	85.54	200	165
Unit 4	4.25	91.41	197	162
Unit 5	4.29	67.72	198	163
Total	12.91	244.67		
Uran				
All Units	10.19	212.89	467	401
Total	10.19	212.89		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.13	2.78	24	0
Total	0.13	2.78		
Koyna				
Stage 1-2	1.72	86.34	160	40
Stage 4	0.67	50.44	201	0
Stage 3	0.37	32.22	80	0
Total	2.76	169.00		
Hydro				
KDPH	0.68	13.66	29	28
VTRNA	0.47	10.41	61	0
TILLARI	0.36	4.43	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.24	3.87	40	0
RNGR+BHTSA	0.25	4.05	13	1
BHANDARDRA	0.00	0.57	0	0
ELDARY	0.00	0.69	0	0
SMLHY_PTN	0.24	15.68	11	10
GHATGHAR	0.16	14.02	120	0
Total	2.39	67.38		
Wind				
Total	18.48	262.39	0	0
Total	18.48	262.39		
CPP				
APML(Mus)	50.59	1342.21	0	0
JSWEL(Mus)	27.19	560.63	0	0
VIPL(Mus)	13.08	266.00	0	0
RPLAMT(Mus)	17.21	335.64	0	0
WPCL(Mus)	4.46	94.85	0	0
Other(Mus)	6.25	152.47	0	0
Total	118.79	2751.79		
SOLAR				
Total	1.32	27.63	0	0
Total	1.32	27.63		
Tata				
Trombay 5	10.58	212.54	458	351
Trombay 6	0.00	0.06	0	0
Trombay 7A	2.31	52.72	113	74
Trombay 7B	1.41	31.39	65	52
Trombay 8	5.83	120.22	250	208
TATA Hydro	3.71	66.76	414	0
Total	23.83	483.68		
R-INFRA				
1-2	5.95	122.31	260	202
Total	5.95	122.31		

* 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	129.14	2171.55	MSPGCL Total	144.48	2620.82
Chandrapur 9	0.00	0.00	MSPGCL Thml+Gas	139.32	2384.44	Koyna 1,2 & 4 Total	2.39	136.77
Koradi 9	0.00	0.00	MSPGCL Hydro	5.15	236.38	State Total	312.84	6268.62
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Apr/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	5689	169	408	6266	846	5086	0	5589	4948	-1381	15765	0	15765	2479	18244	49.94
2	5610	89	411	6110	703	5022	0	5451	5131	-1172	15794	0	15794	2252	18046	49.98
3	5170	79	409	5658	674	4868	0	5358	5355	-1067	15488	0	15488	2122	17610	49.94
4	5137	79	409	5625	555	4885	0	5293	5252	-967	15350	0	15350	2020	17370	49.92
5	5376	84	411	5871	556	4967	0	5244	5205	-897	15702	0	15702	1976	17678	49.99
6	5573	88	401	6062	573	5079	0	5269	5246	-920	16040	0	16040	2028	18068	49.98
7	5651	91	403	6145	513	5081	2	5330	5160	-942	15959	0	15959	2047	18006	50.00
8	5649	106	416	6171	493	5073	35	5402	5777	-1073	16476	0	16476	2180	18656	50.05
9	5630	117	418	6165	571	5125	83	5651	5543	-1373	16114	0	16114	2495	18609	50.00
10	5637	418	419	6474	592	5085	126	5890	5961	-1509	16729	0	16729	2810	19539	50.00
11	5601	623	417	6641	489	5062	152	5927	5953	-1596	16701	0	16701	3062	19763	49.98
12	5644	573	425	6642	382	5111	189	6019	5885	-1674	16535	0	16535	3169	19704	50.00
13	5628	415	425	6468	396	5016	175	6022	5655	-1653	16058	0	16058	3160	19218	50.00
14	5622	214	433	6269	502	5079	174	5970	6186	-1721	16489	0	16489	3097	19586	50.05
15	5644	141	424	6209	659	5128	164	6012	5969	-1678	16451	0	16451	3106	19557	49.97
16	5641	311	423	6375	835	5134	112	6031	5908	-1650	16714	0	16714	3139	19854	49.95
17	5339	133	413	5885	889	4945	74	5978	5682	-1667	15808	0	15808	3104	18912	49.97
18	4781	99	435	5315	990	4591	31	5834	5818	-1645	15100	0	15100	2967	18067	49.95
19	4749	232	429	5410	1175	4425	1	5669	5523	-1484	15050	0	15050	2801	17851	50.01
20	5004	359	443	5806	1269	4591	0	5890	5619	-1447	15838	0	15838	2828	18666	49.92
21	5081	260	448	5789	1355	4853	0	5746	5325	-1488	15834	0	15834	2824	18658	49.93
22	5104	159	449	5712	1218	4852	0	5476	4986	-1554	15214	0	15214	2698	17912	49.98
23	5116	123	467	5706	1182	4854	0	5517	5382	-1591	15534	0	15534	2649	18182	49.94
24	5063	188	450	5701	1066	4875	0	5549	5712	-1700	15654	0	15654	2613	18267	49.95
MUs	129.14	5.15	10.19	144.48	18.48	118.79	1.32	136.12	133.18	-33.85	382.40	0.00	382.40	63.63	446.02	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 21/Apr/2016

Position as on 6.30 Hrs of 22/Apr/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 synchronised 07.04.2016 (12.03hrs 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	
MSPGCL	Koyna STG-IV Unit-2	250	19/04/2016	22.00		Continued.	Preventive Maintenance Work	
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		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	
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	Koyna 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	
MSPGCL	Koradi Unit 9	660	21/03/2016	00.47		Continued.	Ash Evacuation problem	
RGPL	Dabhol 2B	230	07/04/2016	14.02		Continued.	P.M.Work	
MSPGCL	Uran Unit 8	108	08/04/2016	08.40		Continued.	Gas shortage	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
IPP	RPL(AMT) U-1	270	20/04/2016	17.14		Continued.	Zero Schedule Given by MSEDCL.	
IPP	RPL(AMT) U-3	270	20/04/2016	20.50		Continued.	Zero Schedule Given by MSEDCL.	
MSPGCL	Koyna Unit 7	80	21/04/2016	07.05	21/04/2016	18.55	Preventive Maintenance Work	

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

Statement-VII

Position as on 6.30 Hrs of 22/Apr/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 2	IntraState	22/04/2016	00.57	22/04/2016	02.43	EO	Checking Auxiliary supply scheme of Pole-2 Smoothing Reactor
Chandrapur - Padghe Hvdc Pole 1	IntraState	22/04/2016	03.15	22/04/2016	05.50	EO	Checking DC leakage of Pole-1 Smoothing Reactor
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	20/04/2016	08.27	21/04/2016	09.35	PO	Outage, Work @ SSNL End.
Chandrapur-II - Warora - I	InterState	21/04/2016	06.05	21/04/2016	11.04	PO	Line Maintenance work
Dhule Sar'Sarovar II	InterState	21/04/2016	10.18		Continued.	PO	P.M. Work at SSP end (RFC 18.28Hrs)
Babhaleshwar-Taptitanda ckt-II	IntraState	04/04/2016	17.27		Continued.	HT	Change Over
Karad - Jaigad - II	IntraState	21/04/2016	02.45	21/04/2016	08.56	T	Distance Protection. RFG @ 03.06 Hrs.
Padghe - Nagothane - II	IntraState	21/04/2016	09.52	21/04/2016	19.49	PO	Insulator Replacement Work
karad - kolhapur-II	IntraState	21/04/2016	13.07		Continued.	T	Distance Protection (RFC 16.25Hrs)
Bhusawal-Aurangabad	IntraState	21/04/2016	17.20		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- II @ Warora	IntraState	21/04/2016	10.15	21/04/2016	21.06	PO	Tan Delta Measurement of CTs
400/220 KV 315MVA ICT II @ Parli	IntraState	21/04/2016	11.28	21/04/2016	22.20	PO	Annual Maintenance Work
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	10/04/2016	11.25		Continued.	HT	To control Load of Bus Coupler
Talandage - Chikodi	InterState	21/04/2016	16.15	21/04/2016	16.32	EO	To attend Hot Spot
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).
Bableshtar - Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableshtar - Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Pedambe-Nerle	IntraState	11/04/2016	13.10		Continued.	PO	CT Oil Leakage
Kalwa - Borivali	IntraState	18/04/2016	11.20		Continued.	HT	For Controlling Salsett-Borivali L/L
Kalwa-Salsette-VI	IntraState	20/04/2016	08.28	21/04/2016	03.56	HT	Controlling 220KV Salsett-Borivali.
Kalwa-Salsette-VI	IntraState	21/04/2016	08.34		Continued.	HT	To control Salsett-Borivali L/L
Niwali - Pawas Line	IntraState	21/04/2016	09.35	21/04/2016	17.40	PO	Line Maintenance work
Chakan-Mahindra Vehicle	IntraState	21/04/2016	10.00	21/04/2016	12.47	PO	Testing Work
Lonikand-VSNL	IntraState	21/04/2016	10.08	21/04/2016	16.26	PO	Testing Work
Deepnagar Bambhori	IntraState	21/04/2016	10.48	21/04/2016	18.18	PO	Attending Oil Leakage
Osmanabad - Barshi	IntraState	21/04/2016	14.40	21/04/2016	15.15	T	Distance Protection
Nagar-Bose I	IntraState	21/04/2016	18.28	22/04/2016	04.27	T	Distance Protection
Nagar-Bose II	IntraState	22/04/2016	00.25	22/04/2016	04.43	HT	For safety purpose
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 100 Mva Cgl Ict 1 @ Bhugaon	IntraState	20/04/2016	23.21	21/04/2016	00.25	T	Over Current Protection

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/2016

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 Kv 200 Mva ICT-I @Girwali	IntraState	21/04/2016	07.07	21/04/2016	12.10	PO	Tan Delta Measurment of CTs
220/33 Kv 100 Mva Alstom Ptr 2 @Jamde	IntraState	21/04/2016	09.20	21/04/2016	09.51	PO	To remove Air from Compressor Tank
220/33 Kv 100 Mva Areva Ptr 1 @Jamde	IntraState	21/04/2016	09.53	21/04/2016	10.11	PO	To remove Air from Compressor Tank
220/100 Kv 125 Mva Hel Ict 2 @Jambhul	IntraState	21/04/2016	10.01	21/04/2016	18.27	PO	Testing Work
220/132kv 100MVA ICT-II @ Alephata	IntraState	21/04/2016	10.31	21/04/2016	13.45	EO	To attend Hot Spot
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	21/04/2016	11.17	21/04/2016	13.42	PO	Testing Work
132 KV LINE Outages/Trippings							
Padegaon Garware	IntraState	20/04/2016	20.22	21/04/2016	11.33	T	CT Burst at Garware end
Chitegaon - Garware	IntraState	20/04/2016	20.22	21/04/2016	12.14	T	CT Burst at Garware end
Bhugaon - Deoli	IntraState	20/04/2016	23.21	21/04/2016	06.58	T	A/R Lock Out & ID MTL O/C Relay 69B Master Trip Relay Operated.
Bhugaon - Seloo	IntraState	20/04/2016	23.21	21/04/2016	00.31	T	No Indication Received only Alarem Received.

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