

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Apr/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.438	2042.409	1) Gujrat	-7.000	-99.444
2) Hydro	16.453	231.228	2) Madhya Pradesh	13.805	282.824
3) Gas	9.817	202.704	3) Chattisgarh	7.850	155.800
Total MSPGCL	159.708	2476.341	4) Maharashtra Net	100.207	2049.922
B) 1) APLM	51.743	1291.612	5) Goa (Amona)	-0.520	-10.384
2) JSWEL	27.468	533.438	6) TAPS 1&2 Injection	3.573	68.442
3) VIPL	13.879	252.922	7) RGPPL Injection	11.690	232.864
4) RPL(AMT)	18.155	318.423	8) Pench (MS)	0.071	2.659
5) WPCL	4.571	90.388	9) Pench (Excess)	-0.071	-2.659
6) Other IPP	6.198	146.216	Total	129.534	2677.365
C) 1) TPCL Thermal	16.772	316.406	a) Mumbai Schedule	30.230	545.356
2) TPCL Hydro	4.053	63.048	b) Mumbai Drawl	33.295	618.958
3) TPCL Gas	3.743	80.402	c) MSEDCL Bilateral *	33.239	641.771
4) R-INFRA Thermal	6.097	116.358	Include PX	-0.711	-64.688
D) STATE			d) Mumbai Bilateral *	30.230	545.356
1) Thermal	278.321	5108.172	Include PX	6.513	130.664
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	20.506	294.276	H) ENERGY CATERED (MUs)		
3) Gas	13.560	283.106	1) MSEDCL	391.763	7437.967
4) Wind	12.627	243.904	2) Mumbai Discoms	63.960	1195.178
6) SOLAR	1.175	26.316	TOTAL STATE	455.723	8633.145
TOTAL STATE	326.189	5955.774			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5690	5498	5648	5608
MSPGCL Hydro	1691	1045	512	97
MSPGCL Gas	408	408	411	411
MSPGCL Total Generation	7789	6951	6571	6116
Central Sector Receipt	5882	6009	5842	4716
WIND	130	344	874	538
CPP / IPP	5060	5148	4778	5269
SOLAR	141	131	0	0
Exchange with Mumbai	-1591	-1638	-1446	-920
MSEDCL DEMAND MET	17411	16945	16619	15719
Load Shedding	0	38	0	0
MSEDCL DEMAND	17411	16983	16619	15719
TPCL GENERATION	1273	1268	1169	851
R-INFRA GENERATION	247	250	255	259
MUMBAI DEMAND	3111	3156	2870	2030
STATE DEMAND MET	20522	20101	19489	17749
STATE DEMAND	20522	20139	19489	17749
Frequency (Hz)	49.95	49.94	49.86	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 17:00 Hrs	49.69 Hz at 19:20 Hrs	49.95	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 20/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	8.65	44.44	366	360
Total	8.65	44.44		
Bhusawal				
Unit 2	3.28	74.20	145	125
Unit 3	3.98	70.75	180	130
Unit 4	11.47	209.91	500	360
Unit 5	11.76	213.35	510	365
Total	30.49	568.21		
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	4.64	90.22	200	170
Unit 4	4.04	68.91	183	160
Unit 5	10.40	202.01	450	365
Unit 6	11.07	29.88	475	400
Unit 7	10.12	180.10	435	372
Total	40.28	571.12		
Paras				
Unit 3	5.96	111.64	257	217
Unit 4	6.00	105.04	256	241
Total	11.96	216.67		
Khaparkheda				
Unit 1	3.60	76.59	165	115
Unit 2	3.94	69.96	175	150
Unit 3	4.72	88.31	206	165
Unit 4	4.62	88.66	210	169
Unit 5	11.87	86.69	505	410
Total	28.75	410.21		
Nasik				
Unit 3	4.66	81.18	200	180
Unit 4	4.63	87.16	198	190
Unit 5	4.02	63.43	196	0
Total	13.31	231.76		
Uran				
All Units	9.82	202.70	418	390
Total	9.82	202.70		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.07	2.66	37	0
Total	0.07	2.66		
Koyna				
Stage 1-2	4.14	84.62	400	40
Stage 4	6.58	49.76	711	0
Stage 3	2.59	31.85	160	0
Total	13.31	166.24		
Hydro				
KDPH	0.68	12.98	29	28
VTRNA	0.49	9.94	61	0
TILLARI	0.40	4.07	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.24	3.63	40	0
RNGR+BHTSA	0.18	3.80	12	0
BHANDARDRA	0.00	0.57	0	0
ELDARY	0.00	0.69	0	0
SMLHY_PTN	0.40	15.44	17	16
GHATGHAR	0.75	13.87	250	0
Total	3.14	64.99		
Wind				
Total	12.63	243.90	0	0
Total	12.63	243.90		
CPP				
APML(Mus)	51.74	1291.61	0	0
JSWEL(Mus)	27.47	533.44	0	0
VIPL(Mus)	13.88	252.92	0	0
RPLAMT(Mus)	18.16	318.42	0	0
WPCL(Mus)	4.57	90.39	0	0
Other(Mus)	6.20	146.22	0	0
Total	122.01	2633.00		
SOLAR				
Total	1.18	26.32	0	0
Total	1.18	26.32		
Tata				
Trombay 5	10.94	201.96	471	428
Trombay 6	0.00	0.06	0	0
Trombay 7A	2.32	50.42	114	82
Trombay 7B	1.42	29.98	65	55
Trombay 8	5.83	114.38	247	239
TATA Hydro	4.05	63.05	417	0
Total	24.57	459.86		
R-INFRA				
1-2	6.10	116.36	260	212
Total	6.10	116.36		

* 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	133.44	2042.41	MSPGCL Total	159.71	2476.34
Chandrapur 9	0.00	0.00	MSPGCL Thml+Gas	143.26	2245.11	Koyna 1,2 & 4 Total	10.72	134.38
Koradi 9	0.00	0.00	MSPGCL Hydro	16.45	231.23	State Total	326.19	5955.77
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/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	5667	509	412	6588	518	5471	0	5390	5016	-1404	16189	0	16189	2521	18710	49.95
2	5610	112	412	6134	674	5476	0	5262	4880	-1141	16023	0	16023	2262	18285	49.94
3	5622	98	412	6132	561	5473	0	5171	4790	-1027	15929	0	15929	2111	18040	49.96
4	5608	97	411	6116	538	5269	0	5100	4716	-920	15719	0	15719	2030	17749	49.95
5	5608	97	400	6105	533	5018	0	5070	5001	-869	15788	0	15788	1989	17777	49.94
6	5598	423	410	6431	553	5011	0	5094	4967	-892	16070	0	16070	2012	18082	49.95
7	5626	897	392	6915	430	5015	1	5114	5084	-984	16461	0	16461	2059	18520	49.95
8	5612	850	412	6874	403	5020	23	5177	5050	-1085	16285	0	16285	2197	18482	50.00
9	5605	834	405	6844	361	5038	61	5426	5361	-1301	16364	0	16364	2434	18798	49.97
10	5639	1192	409	7240	287	5049	119	5665	5821	-1572	16944	0	16944	2799	19743	49.96
11	5690	1691	408	7789	130	5060	141	5737	5882	-1591	17411	0	17411	3111	20522	49.95
12	5696	1557	403	7656	63	5151	165	5872	5922	-1637	17320	0	17320	3193	20513	49.96
13	5623	1374	410	7407	101	5141	173	5908	5600	-1640	16782	0	16782	3189	19971	49.96
14	5606	926	418	6950	185	5134	168	5876	6007	-1616	16828	0	16828	3118	19946	49.98
15	5498	1045	408	6951	344	5148	131	5941	6009	-1638	16945	38	16983	3156	20139	49.94
16	5444	1269	413	7126	474	5145	110	5994	5653	-1670	16838	56	16894	3176	20070	49.92
17	5523	731	411	6665	530	5066	61	5960	5899	-1647	16574	70	16644	3144	19788	49.95
18	4994	278	390	5662	670	4830	20	5839	5884	-1672	15394	25	15419	3031	18450	49.98
19	4996	546	411	5953	943	4725	2	5610	5270	-1571	15322	0	15322	2872	18194	49.98
20	5648	512	411	6571	874	4778	0	5845	5842	-1446	16619	0	16619	2870	19489	49.86
21	5653	332	415	6400	1053	4955	0	5736	4948	-1462	15894	0	15894	2727	18621	49.89
22	5689	230	417	6336	926	4962	0	5393	5086	-1509	15801	0	15801	2692	18493	49.96
23	5592	229	417	6238	774	4967	0	5438	5472	-1427	16024	0	16024	2546	18570	49.89
24	5591	624	410	6625	702	5107	0	5455	5374	-1574	16234	0	16234	2721	18955	49.93
MUs	133.44	16.45	9.82	159.71	12.63	122.01	1.17	133.07	129.53	-33.29	391.76	0.19	391.95	63.96	455.91	49.95

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 20/Apr/2016

Position as on 6.30 Hrs of 21/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	
IPP	RPL(AMT) U-5	270	03/04/2016	00.00	20/04/2016	18.39	Zero Shedule By MSEDCL.	
RGPL	Dabhol 2B	230	07/04/2016	14.02		Continued.	P.M.Work	
IPP	RPL(AMT) U-4	270	08/04/2016	04.02	20/04/2016	13.31	Zero Schedule by MSEDCL.	
MSPGCL	Uran Unit 8	108	08/04/2016	08.40		Continued.	Gas shortage	
MSPGCL	Koyna Unit 4	75	18/04/2016	17.00		Continued.	Turbine Bearing Oil Leakage	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Apr/2016

Position as on 6.30 Hrs of 21/Apr/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-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.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2016

Statement-VII

Position as on 6.30 Hrs of 21/Apr/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400kV 1500MVA ICT @ Akola-II	IntraState	20/04/2016	10.32	20/04/2016	15.51	PO	Y PH MCVT Replacement Work.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	19/04/2016	11.09	20/04/2016	07.32	PO	Maintenance Work by GETCO.RFC @ 17.38 Hrs.
Dhule Sar'Sarovar I	InterState	20/04/2016	08.27		Continued.	PO	Outage,Work @ SSNL End.
Chandrapur-II - Warora - I	InterState	21/04/2016	06.05		Continued.	PO	Line Maintenance work
Babhaleshwar-Taptitanda ckt-II	IntraState	04/04/2016	17.27		Continued.	HT	Change Over
Padghe - Nagothane - I	IntraState	20/04/2016	10.46	20/04/2016	18.45	PO	Insulator Replacement Work
Karad - Jaigad - II	IntraState	21/04/2016	02.45		Continued.	T	Distance Protection. RFG @ 03.06 Hrs.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	10/04/2016	11.25		Continued.	HT	To control Load of Bus Coupler
Solapur (Pg) South Solapur I	InterState	20/04/2016	11.30	20/04/2016	16.00	PO	Outage.
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).
Bableshevar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableshevar- 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	19/04/2016	10.20	20/04/2016	04.05	HT	For Controlling 220KV Salsett-Borivali.
Butibori - Wardha	IntraState	20/04/2016	08.05	20/04/2016	18.13	PO	Replacement of R & Y Ph CT.
Kalwa-Salsette-VI	IntraState	20/04/2016	08.28	21/04/2016	03.56	HT	Controlling 220KV Salsett-Borivali.
New Koyna - Pedambe	IntraState	20/04/2016	08.58	20/04/2016	18.35	PO	Routine Maintenance Work
Niwali - Pawas Line	IntraState	20/04/2016	09.20	20/04/2016	17.02	PO	Insulator Cleaning Work.
Peth- Mudshingi -I	IntraState	20/04/2016	09.53		Continued.	PO	Routine Maintenance Work
Mumewadi-Belewadi	IntraState	20/04/2016	11.07	20/04/2016	14.06	PO	Quarterly Maintainance 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)
220/132 kV 200MVA ICT II @ Girwali	IntraState	20/04/2016	12.44	20/04/2016	21.12	PO	Testing Work & Measurment of Tan Delta of ICT Bushings.
132 KV LINE Outages/Trippings							
Bhugaon - Deoli	IntraState	20/04/2016	23.21		Continued.	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.
100 KV LINE Outages/Trippings							
100KV Kalwa - Sify	IntraState	20/04/2016	13.52	20/04/2016	15.49	T	Distance Protection
Kalwa - Vashi 1	IntraState	20/04/2016	13.53	20/04/2016	15.29	T	Distance Protection

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