

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Jan/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	108.976	3387.892	1) Gujrat	-0.931	-108.164
2) Hydro	6.690	272.017	2) Madhya Pradesh	9.524	179.559
3) Gas	10.976	294.161	3) Chattisgarh	5.720	137.120
Total MSPGCL	126.642	3954.070	4) Maharashtra Net	69.690	2060.945
B) 1) APMIL	50.113	1431.428	5) Goa (Amona)	-0.540	-15.077
2) JSWEL	26.228	698.773	6) TAPS 1&2 Injection	3.721	110.615
3) VIPL	10.877	292.438	7) RGPPL Injection	11.667	226.307
4) RPL(AMT)	24.376	709.224	8) Pench (MS)	0.557	13.861
5) WPCL	4.393	136.023	9) Pench (Excess)	-0.557	-13.861
6) Other IPP	9.719	310.349	Total	98.294	2577.444
C) 1) TPCL Thermal	5.376	376.423	a) Mumbai Schedule	14.691	416.807
2) TPCL Hydro	5.094	72.698	b) Mumbai Drawl	23.220	641.119
3) TPCL Gas	4.362	109.589	c) MSEDCL Bilateral *	24.872	658.361
4) R-INFRA Thermal	10.620	216.343	Include PX	-7.165	-164.966
D) STATE			d) Mumbai Bilateral *	14.691	416.807
1) Thermal	250.678	7558.893	Include PX	-0.553	52.904
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	11.784	344.715	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	15.338	403.750	1) MSEDCL	333.247	9639.541
4) Wind	4.554	136.303	2) Mumbai Discoms	48.670	1416.180
6) SOLAR	1.271	34.608	TOTAL STATE	381.917	11055.721
TOTAL STATE	283.625	8478.269			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4728	4833	4451	4184
MSPGCL Hydro	701	95	247	101
MSPGCL Gas	460	441	451	466
MSPGCL Total Generation	5889	5369	5149	4751
Central Sector Receipt	4742	5144	4916	2501
WIND	156	70	280	266
CPP / IPP	6052	5680	5118	4902
SOLAR	128	186	0	0
Exchange with Mumbai	-910	-1117	-1205	-702
MSEDCL DEMAND MET	16057	15332	14258	11718
Load Shedding	9	9	6	6
MSEDCL DEMAND	16066	15341	14264	11724
TPCL GENERATION	856	866	787	382
R-INFRA GENERATION	515	518	402	399
MUMBAI DEMAND	2281	2501	2394	1483
STATE DEMAND MET	18338	17833	16652	13201
STATE DEMAND	18347	17842	16658	13207
Frequency (Hz)	50.01	49.99	50.00	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 18.02 Hrs	49.78 Hz at 22.04 Hrs	50	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 30/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.54	60.86	160	135
Unit 6	0.00	0.00	0	0
Unit 7	0.00	105.78	0	0
Unit 8	13.33	242.73	665	500
Total	16.87	409.37		
Bhusawal				
Unit 2	4.09	118.76	180	160
Unit 3	4.06	123.39	175	165
Unit 4	9.08	285.39	500	365
Unit 5	9.19	279.42	500	360
Total	26.42	806.95		
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	33.88	0	0
Unit 3	4.29	124.60	200	165
Unit 4	4.27	128.26	194	154
Unit 5	3.85	3.85	300	0
Unit 6	9.90	281.90	440	390
Unit 7	0.00	267.39	0	0
Total	22.31	839.88		
Paras				
Unit 3	5.07	120.60	235	190
Unit 4	5.24	132.94	258	193
Total	10.30	253.54		
Khaparkheda				
Unit 1	3.78	114.23	170	150
Unit 2	3.89	116.87	175	155
Unit 3	4.01	120.87	203	160
Unit 4	3.94	102.01	195	160
Unit 5	9.76	289.71	505	359
Total	25.38	743.68		
Nasik				
Unit 3	0.00	119.80	0	0
Unit 4	3.82	90.04	167	152
Unit 5	3.88	124.64	165	158
Total	7.70	334.48		
Uran				
All Units	10.98	294.16	487	429
Total	10.98	294.16		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.56	13.86	49	0
Total	0.56	13.86		
Koyna				
Stage 1-2	2.36	100.14	515	40
Stage 4	0.95	51.07	475	0
Stage 3	0.55	32.92	160	0
Total	3.86	184.12		
Hydro				
KDPH	0.65	12.81	36	18
VTRNA	0.46	17.66	61	0
TILLARI	0.00	2.01	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	4.06	80	0
RNGR+BHTSA	0.00	6.23	0	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.62	16.81	26	25
GHATGHAR	0.80	28.32	250	0
Total	2.83	87.89		
Wind				
Total	4.55	136.30	0	0
Total	4.55	136.30		
CPP				
APML(Mus)	50.11	1431.43	0	0
JSWEL(Mus)	26.23	698.77	0	0
VIPL(Mus)	10.88	292.44	0	0
RPLAMT(Mus)	24.38	709.22	0	0
WPCL(Mus)	4.39	136.02	0	0
Other(Mus)	9.72	310.35	0	0
Total	125.71	3578.24		
SOLAR				
Total	1.27	34.61	0	0
Total	1.27	34.61		
Tata				
Trombay 5	0.00	219.09	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.75	67.79	115	112
Trombay 7B	1.62	41.80	69	67
Trombay 8	5.38	157.33	248	199
TATA Hydro	5.09	72.70	459	6
Total	14.83	558.71		
R-INFRA				
1-2	10.62	216.34	519	397
Total	10.62	216.34		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	108.98	3387.89
MSPGCL Thml+Gas	119.95	3682.05

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.69	272.02
MSPGCL Total	126.64	3954.07

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.31	151.20
State Total	283.62	8478.27

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/Jan/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	4203	106	476	4785	231	4894	0	3028	3189	-828	12271	6	12277	1605	13882	49.99
2	4184	101	466	4751	266	4902	0	2830	2501	-702	11718	6	11724	1483	13207	49.97
3	4251	101	466	4818	278	4897	0	2396	2503	-631	11865	6	11871	1413	13284	49.99
4	4277	102	466	4845	232	4880	0	2184	2595	-596	11956	6	11962	1380	13342	49.99
5	4288	107	486	4881	214	4873	0	2563	2657	-608	12017	6	12023	1388	13411	50.00
6	4263	237	469	4969	233	4845	0	3255	3516	-710	12853	9	12862	1491	14353	50.02
7	4296	399	487	5182	220	4964	0	4378	4622	-826	14162	9	14171	1610	15781	49.96
8	4371	1110	483	5964	232	5407	11	4491	4808	-849	15573	9	15582	1762	17344	49.95
9	4575	1000	453	6028	178	5892	58	4514	4764	-825	16095	9	16104	2023	18127	49.98
10	4728	701	460	5889	156	6052	128	4661	4742	-910	16057	9	16066	2281	18347	50.01
11	5066	471	445	5982	112	5900	127	4738	4594	-1122	15593	9	15602	2478	18080	50.01
12	4909	407	450	5766	120	5747	171	4737	4748	-1132	15420	9	15429	2503	17932	49.99
13	4833	95	441	5369	70	5680	186	4604	5144	-1117	15332	9	15341	2501	17842	49.99
14	4862	89	431	5382	71	5518	182	4607	4677	-977	14853	9	14862	2357	17219	50.06
15	4824	94	441	5359	124	5449	157	4627	4662	-983	14768	6	14774	2370	17144	50.05
16	4878	94	429	5401	108	5514	133	4671	4675	-973	14858	6	14864	2379	17243	49.98
17	4820	84	434	5338	107	5508	90	4726	4635	-1013	14665	6	14671	2361	17032	50.01
18	4614	105	450	5169	126	5068	27	4423	4247	-1150	13487	6	13493	2310	15803	50.02
19	4441	197	451	5089	189	4964	1	4689	4629	-1199	13673	6	13679	2380	16059	49.98
20	4451	247	451	5149	280	5118	0	4772	4916	-1205	14258	6	14264	2394	16658	50.00
21	4449	155	453	5057	308	5079	0	4708	4406	-1308	13542	6	13548	2273	15821	50.00
22	4467	150	455	5072	254	4899	0	3912	4065	-1315	12975	6	12981	2118	15099	50.03
23	4470	279	461	5210	242	4831	0	3250	3583	-1202	12664	6	12670	1990	14660	49.94
24	4456	259	472	5187	203	4824	0	3318	3416	-1039	12591	6	12597	1822	14419	49.98
MUs	108.98	6.69	10.98	126.64	4.55	125.71	1.27	96.08	98.29	-23.22	333.25	0.17	333.42	48.67	382.09	50.00

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 30/Jan/2016

Position as on 6.30 Hrs of 31/Jan/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50	30/01/2016	02.06	Capital Overhaul.	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
TPC-G	Trombay 5	500	26/01/2016	21.55		Continued.	Boiler Maintenance work	
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	
RGPL	Dabhol 2X	290	15/07/2013	15.09		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	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
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	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
CPP	WPCL U-1	135	07/01/2016	02.00		Continued.	Withdrawn, changeover to Unit-3	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	19/01/2016	14.34		Continued.	Overhauling	
IPP	Adani U-1	660	23/01/2016	10.06	31/01/2016	23.15	Main Fuel Tank Tripped.	
MSPGCL	Uran Unit 6	108	23/01/2016	21.16		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 7	500	28/01/2016	22.50		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	30/01/2016	00.02		Continued.	MSEDCL Zero Shedule.	
MSPGCL	Koradi Unit 7	210	30/01/2016	00.12		Continued.	MSEDCL Zero Shedule.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 31/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	29/01/2016	17.17	30/01/2016	06.42	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	29/01/2016	21.16	30/01/2016	06.52	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	30/01/2016	17.01	31/01/2016	08.06	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	31/01/2016	17.15		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	31/01/2016	17.20		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Babhaleshwar-Taptitanda ckt-I	IntraState	23/01/2016	07.21		Continued.	PO	Change Over.
Karad - Jaigad - II	IntraState	27/01/2016	10.06	30/01/2016	11.24	PO	Quarterly Maintainance Work
Jejuri- Koynastage-IV	IntraState	29/01/2016	15.26	30/01/2016	06.22	T	Y Ph CT Burst at Koyana Satage IV
karad -kolhapur-II	IntraState	29/01/2016	16.21	30/01/2016	09.21	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/01/2016	20.12	30/01/2016	07.23	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/01/2016	08.39	31/01/2016	09.48	PO	Insulator replacement work, RFC 18.00Hrs.
karad -kolhapur-I	IntraState	30/01/2016	16.25	31/01/2016	09.53	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/01/2016	16.54	31/01/2016	09.49	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	31/01/2016	08.21	31/01/2016	19.11	PO	Replacement of Tower OPGW Work
Padghe - Talegaon (PG)	IntraState	31/01/2016	08.27	31/01/2016	19.02	PO	Replacement of Tower OPGW Work
Bhusawal-Aurangabad	IntraState	31/01/2016	13.11		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	31/01/2016	14.28	31/01/2016	14.58	T	Distance Protection B Ph.
karad -kolhapur-II	IntraState	31/01/2016	16.08		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	31/01/2016	16.14		Continued.	HT	Over Voltage
Padghe - Nagothane - II	IntraState	31/01/2016	16.59		Continued.	T	Distance Protection R & B Ph.
Lonikand I - Koyna stage-IV	IntraState	31/01/2016	17.08		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	30/01/2016	09.55	30/01/2016	17.11	PO	Testing Work
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	30/01/2016	10.18	30/01/2016	23.52	EO	Bushing replacement and testing work
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	31/01/2016	08.37	31/01/2016	11.07	PO	Bushing Replacement Work OCT on Huming.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	30/01/2016	08.56	30/01/2016	16.25	PO	Insulator Replacement Work
Talegaon(PG)-Talegaon(Ambi)-II	InterState	30/01/2016	11.18	30/01/2016	16.45	PO	Testing Work
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).
Hinjawadi I- Chinchwad	IntraState	25/01/2016	09.54		Continued.	PO	For Urse-Chinchwad Outage
Urse-Chinchwad	IntraState	25/01/2016	10.33		Continued.	PO	Lilo Arrangement.
Pophali - Nerale	IntraState	30/01/2016	08.30	30/01/2016	17.30	PO	Line Maintenance work

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 30/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 31/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Topworth - Kharghar	IntraState	30/01/2016	09.27		Continued.	PO	Repl.of Old damaged Tower
Malharpeth - Karad(400kv)	IntraState	30/01/2016	09.38	30/01/2016	13.48	PO	Isolator repl.work
Kalwa-TIFIL	IntraState	30/01/2016	13.20	30/01/2016	15.27	EO	Y Phase CT Oil Leakage at Kalwa
Apta - Kalwa	IntraState	30/01/2016	14.32	30/01/2016	17.39	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	31/01/2016	05.34	31/01/2016	19.00	HT	For Boiser-Boiser PG Outage Load Control.
Boisar II - PGCIL II	IntraState	31/01/2016	06.18	31/01/2016	18.22	PO	To change Bay Location
Salsette Borivli 1	IntraState	31/01/2016	10.05	31/01/2016	15.45	PO	To Attend Hot Spot.
Parli 3 (Oldgcr)-Harangul Ckt I	IntraState	31/01/2016	11.51	31/01/2016	14.02	PO	B Ph Suspension Clamp Strip Fixing Work.
Karad(400kv) -Nigade	IntraState	31/01/2016	13.38	31/01/2016	19.40	T	Distance Protection
Pedambe-Nerle	IntraState	31/01/2016	13.40	31/01/2016	13.50	T	Distance Protection
New Koyna - Pedambe	IntraState	31/01/2016	13.40		Continued.	PO	Shifted on TBC.
Badnera-Akola li	IntraState	31/01/2016	15.15	31/01/2016	16.16	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	31/01/2016	23.15		Continued.	HT	for Outage of Boiser-Boiser(PG)-II Line to Control Load.
Boisar Versova Line	IntraState	31/01/2016	23.26		Continued.	HT	for Outage of Boiser-Boiser(PG)-II Line to Control Load.
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 Emco Ict 2 @Raymond (Nasik 2)	IntraState	30/01/2016	09.54	30/01/2016	12.16	PO	Attending Oil Leakage
220/132 Kv 200 Mva Cgl Ict 1 @Raymond (Nasik 2)	IntraState	30/01/2016	13.17	30/01/2016	14.33	PO	Attending Oil Leakage
132 KV LINE Outages/Trippings							
Boisar Midc - Dahanu 1	IntraState	31/01/2016	13.02	31/01/2016	13.54	T	Distance Protection
Boisar Midc - Dahanu 2	IntraState	31/01/2016	13.02	31/01/2016	13.54	T	Distance Protection
lol - Boisar Midc	IntraState	31/01/2016	13.02	31/01/2016	15.15	T	Distance Protection
Dahanu - Gholwad Railway 2	IntraState	31/01/2016	13.02	31/01/2016	13.57	T	Distance Protection
Viraj - Jindal	IntraState	31/01/2016	13.02	31/01/2016	15.15	T	Distance Protection
Jindal - lol	IntraState	31/01/2016	13.02	31/01/2016	15.15	T	Distance Protection
Boisar li - Viraj	IntraState	31/01/2016	13.02	31/01/2016	16.06	T	Distance Protection
Dahanu - Gholwad Railway 1	IntraState	31/01/2016	13.02	31/01/2016	13.57	T	Distance Protection

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