

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Nov/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	132.335	2072.041	1) Gujrat	1.356	-1.277
2) Hydro	10.941	215.014	2) Madhya Pradesh	5.581	142.363
3) Gas	10.664	164.103	3) Chattisgarh	5.740	91.490
Total MSPGCL	153.940	2451.158	4) Maharashtra Net	103.477	1597.501
B) 1) APML	52.672	886.037	5) Goa (Amona)	-0.708	-11.532
2) JSWEL	19.764	359.389	Total	115.446	1818.545
3) VIPL	10.727	176.614	a) Mumbai Schedule	15.641	264.074
4) RPL(AMT)	13.741	225.147	b) Mumbai Drawl	23.955	317.599
5) WPCL	4.170	64.350	c) MSEDCL Bilateral *	27.273	425.645
6) PGPL	2.493	13.979	Include PX	-0.161	-17.275
7) Other IPP	7.717	89.562	d) Mumbai Bilateral *	15.641	264.074
C) 1) TPCL Thermal	14.805	241.400	Include PX	0.612	19.806
2) TPCL Hydro	5.109	63.129	Include Standby	0.000	0.000
3) TPCL Gas	4.323	69.255	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.413	161.028	1) MSEDCL	365.068	5867.588
D) STATE			2) Mumbai Discoms	57.604	852.412
1) Thermal	265.344	4275.568	TOTAL STATE	422.672	6720.000
(A1+C1+C4+(B1-B6))					
2) Hydro	16.050	278.143			
(A2+C2)					
3) Gas	17.480	247.337			
(A3+B6+C3)					
4) Wind	7.382	81.320			
6) SOLAR	0.971	19.086			
TOTAL STATE	307.227	4901.454			

* 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 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5944	5865	5960	4984
MSPGCL Hydro	864	1125	1116	100
MSPGCL Gas	457	418	442	454
MSPGCL Total Generation	7265	7408	7518	5538
Central Sector Receipt	5310	5386	5719	3034
WIND	233	174	232	299
CPP / IPP Thermal	5012	4630	4509	4215
CPP / IPP Gas	153	232	163	0
SOLAR	105	107	0	0
Exchange with Mumbai	-1030	-1202	-1165	-599
MSEDCL DEMAND MET	17047	16735	16976	12487
Load Shedding	0	0	0	0
MSEDCL DEMAND	17047	16735	16976	12487
TPCL GENERATION	1175	1283	1305	698
R-INFRA GENERATION	385	385	385	386
MUMBAI DEMAND	2590	2870	2855	1683
STATE DEMAND MET	19637	19605	19831	14170
STATE DEMAND	19637	19605	19831	14170
Frequency (Hz)	49.97	49.99	50.00	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 21:55 Hrs	49.81 Hz at 16:42 Hrs	49.99	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 16/Nov/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	3.81	50.32	175	135
Unit 8	12.46	133.21	560	476
Total	16.26	183.52		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.59	172.16	500	360
Unit 5	10.65	171.82	510	350
Total	21.24	343.98		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.84	46.26	219	187
Unit 7	4.69	75.70	220	168
Total	9.53	121.96		
Chandrapur				
Unit 3	4.46	72.07	205	163
Unit 4	4.46	70.82	199	166
Unit 5	0.00	110.22	0	0
Unit 6	9.88	155.49	460	360
Unit 7	9.36	138.47	418	358
Unit 8	10.43	163.54	490	367
Total	38.58	710.60		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.29	85.99	250	191
Total	5.29	85.99		
Khaparkheda				
Unit 1	4.10	58.11	200	155
Unit 2	4.18	67.22	200	160
Unit 3	4.24	68.77	205	160
Unit 4	4.17	60.66	196	162
Unit 5	10.62	163.30	500	370
Total	27.31	418.06		
Nasik				
Unit 3	4.08	68.08	200	160
Unit 4	4.06	24.81	204	160
Unit 5	0.00	40.10	0	0
Total	8.13	132.99		
Uran				
All Units	10.66	164.10	467	417
Total	10.66	164.10		
PGPL				
Unit 1	1.56	8.67	145	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.94	5.31	88	0
Total	2.49	13.98		
PENCH (MS)				
Pench (MS)	0.49	8.58	47	0
Total	0.49	8.58		
Koyna				
Stage 1-2	4.12	62.53	385	40
Stage 4	2.70	73.31	564	0
Stage 3	0.91	28.07	80	0
Total	7.72	163.91		
Hydro				
KDPH	0.20	11.97	19	0
VTRNA	0.00	0.00	0	0
TILLARI	0.37	5.90	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	3.05	80	0
RNGR+BHTSA	0.38	5.12	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.71	8.53	39	26
GHATGHAR	1.25	16.54	125	0
Total	3.22	51.10		
Wind				
Total	7.38	81.32	0	0
Total	7.38	81.32		
CPP				
APML(Mus)	52.67	886.04	0	0
JSWEL(Mus)	19.76	359.39	0	0
VIPL(Mus)	10.73	176.61	0	0
RPLAMT(Mus)	13.74	225.15	0	0
WPCL(Mus)	4.17	64.35	0	0
Other(Mus)	7.72	89.56	0	0
Total	108.79	1801.10		
SOLAR				
Total	0.97	19.09	0	0
Total	0.97	19.09		
Tata				
Trombay 5	9.53	155.48	471	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.74	44.10	116	106
Trombay 7B	1.59	25.16	68	63
Trombay 8	5.28	85.92	246	157
TATA Hydro	5.11	63.13	435	5
Total	24.24	373.78		
R-INFRA				
1-2	9.41	161.03	503	384
Total	9.41	161.03		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	23.75
Koradi 9	0.26	25.10
Koradi 10	0.00	0.00
Parli 8	5.72	26.08

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	132.34	2072.04
MSPGCL Thml+Gas	143.00	2236.14
MSPGCL Hydro	10.94	215.01

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	153.94	2451.16
Koyna 1,2 & 4 Total	6.81	135.84
State Total	307.23	4901.45

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/Nov/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			THM	GAS										
1	4985	209	454	5648	245	4294	0	0	3655	3554	-837	12904	0	12904	1916	14820	49.99
2	4989	229	465	5683	365	4222	0	0	3462	3312	-677	12905	0	12905	1758	14663	49.97
3	4984	100	454	5538	299	4215	0	0	3578	3034	-599	12487	0	12487	1683	14170	49.99
4	4970	100	464	5534	287	4218	0	0	3364	3304	-525	12818	0	12818	1609	14427	49.96
5	5049	106	456	5611	313	4350	0	0	3474	3524	-534	13264	0	13264	1617	14881	49.97
6	5283	102	467	5852	341	4709	27	0	4338	4073	-655	14347	0	14347	1741	16088	49.96
7	5634	327	449	6410	340	4914	82	0	4625	4363	-764	15345	0	15345	1920	17265	49.96
8	6027	112	464	6603	311	5214	161	14	5041	4706	-654	16355	0	16355	2064	18419	49.96
9	6017	402	447	6866	234	5174	52	54	5398	5457	-932	16905	0	16905	2402	19307	49.97
10	5944	864	457	7265	233	5012	153	105	5452	5310	-1030	17047	0	17047	2590	19637	49.97
11	5865	488	418	6771	194	4981	232	130	5385	5312	-1175	16445	0	16445	2870	19315	49.98
12	5764	685	443	6892	175	4759	233	142	5311	5399	-1220	16380	0	16380	2927	19307	49.99
13	5749	603	417	6769	152	4713	187	162	5427	5663	-1205	16440	0	16440	2913	19353	49.98
14	5797	665	420	6882	168	4706	230	137	5275	5574	-1228	16469	0	16469	2866	19335	50.03
15	5865	1125	418	7408	174	4630	232	107	5252	5386	-1202	16735	0	16735	2870	19605	49.99
16	5907	1003	426	7336	219	4548	232	86	5356	5233	-1184	16470	0	16470	2872	19342	49.96
17	5894	846	433	7173	229	4552	232	29	5591	5551	-1167	16599	0	16599	2856	19455	49.96
18	5920	561	432	6913	279	4530	232	5	5625	5764	-1134	16589	0	16589	2827	19416	49.99
19	5960	1116	442	7518	232	4509	163	0	5775	5719	-1165	16976	0	16976	2855	19831	50.00
20	5702	460	443	6605	257	4486	46	0	6020	5851	-1199	16046	0	16046	2774	18820	50.03
21	5062	400	447	5909	281	4376	0	0	5617	5732	-1195	15103	0	15103	2660	17763	50.00
22	5002	187	448	5637	519	4185	0	0	4975	5246	-1156	14431	0	14431	2386	16817	50.05
23	4972	168	450	5590	747	3874	0	0	4536	4361	-1339	13233	0	13233	2383	15616	50.01
24	4994	83	450	5527	788	3621	0	0	4058	4018	-1179	12775	0	12775	2246	15021	50.02
MUs	132.34	10.94	10.66	153.94	7.38	108.79	2.49	0.97	116.59	115.45	-23.96	365.07	0.00	365.07	57.61	422.67	49.99

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 16/Nov/2016

Position as on 6.30 Hrs of 17/Nov/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 synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Paras Unit 3	250	25/10/2016	08.54		Continued.	(Stator Fault)continued under AOH.26/10/2016 00.00hrs	
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 PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
IPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	10/11/2016	11.51		Continued.	Due to reheat NRV problem	
MSPGCL	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero schedule).	
MSPGCL	Chandrapur Unit 5	500	12/11/2016	22.13		Continued.	B T L	
MSPGCL	Chandrapur Unit 9	500	14/11/2016	14.33		Continued.	Boiler Tube Leakage	
PGPL	PGPL U1	262	15/11/2016	19.27	16/11/2016	05.00	due to no Schedule.	
PGPL	PGPL U2	126	15/11/2016	19.30	16/11/2016	06.01	Due to no schedule	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	
IPP	JSW (J) U1	300	16/11/2016	14.38		Continued.	Due To CW Duct Leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Nov/2016

Position as on 6.30 Hrs of 17/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PGPL	PGPL U2	126	16/11/2016	19.30		Continued.	due to no Schedule	
PGPL	PGPL U1	262	16/11/2016	19.31		Continued.	due to no Schedule	
MSPGCL	Koradi Unit 9	660	16/11/2016	19.39	16/11/2016	22.40	Due to Boiler Tripped.	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 17/Nov/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	16/11/2016	08.43	16/11/2016	19.39	PO	For Changing B-Phase ICT Bhushing.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	15/11/2016	20.37	16/11/2016	07.27	HT	Over Voltage
Padgha - Boisar (PG)	InterState	16/11/2016	12.43	16/11/2016	15.07	PO	Damage conductor work
Dhule Sar'Sarovar II	InterState	16/11/2016	19.12		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Khadka-Aurangabad (Waluj)	IntraState	15/11/2016	20.00	16/11/2016	05.24	PO	To attend CT oil leakage at khadka end.
karad -kolhapur-I	IntraState	15/11/2016	21.00	16/11/2016	09.49	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	15/11/2016	21.56		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	16/11/2016	00.55	16/11/2016	06.18	HT	Over Voltage
Cahndrapur II - Dhariwal II	IntraState	16/11/2016	09.43		Continued.	PO	Diagnostic Testing & Allied Bay Maintenance Work.
karad -kolhapur-I	IntraState	16/11/2016	20.58		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 315MVA ICT II @ Parli	IntraState	16/11/2016	12.10	16/11/2016	16.29	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end) (QM work done from 13:05Hrs to 17:23Hrs on 5/10/2016)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
Bableshwar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Pedambe-Nerle	IntraState	22/10/2016	14.11		Continued.	T	Distance Protection
Bableshwar -Bhenda	IntraState	24/10/2016	06.57		Continued.	HT	Alephata line loading.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on28.10.2016 at 08:09 hrs for construction activity of Mumbai strenghtning work
Mulund - GIS Bhandup	IntraState	27/10/2016	08.53		Continued.	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
Kalwa - Mulund 1	IntraState	06/11/2016	10.56		Continued.	PO	Conductor Replacement.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Diverting 100kv padghe-sahapur line THR nasik-know park line.
Mumewadi -Halkarni II	IntraState	16/11/2016	10.07	16/11/2016	16.40	PO	Insulator Replacement Work
Bus Coupler @ Koradi	IntraState	16/11/2016	10:30	16/11/2016	16:42	PO	Diagnostic Testing Work.
Paras-Balapur I	IntraState	16/11/2016	18.04	16/11/2016	19.20	HT	To Cntrol 315MVA 400/200KV Akola ICT Loading.
Paras-Balapur li	IntraState	16/11/2016	18.06	16/11/2016	19.22	HT	To Cntrol 315MVA 400/200KV Akola ICT Loading.
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)
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.

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