

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Nov/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.984	3182.593	1) Gujrat	-1.760	-2.422
2) Hydro	15.783	338.763	2) Madhya Pradesh	7.813	210.484
3) Gas	10.661	248.270	3) Chattisgarh	8.330	154.930
Total MSPGCL	163.428	3769.626	4) Maharashtra Net	107.114	2358.002
B) 1) APML	52.732	1301.161	5) Goa (Amona)	-0.732	-17.172
2) JSWEL	14.982	485.834	Total	120.765	2703.822
3) VIPL	10.544	266.085	a) Mumbai Schedule	16.161	408.633
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	20.924	502.619
5) WPCL	4.041	97.948	c) MSEDCL Bilateral *	28.407	643.792
6) PGPL	0.000	16.149	Include PX	-0.030	-18.183
7) Other IPP	8.567	156.131	d) Mumbai Bilateral *	16.161	408.633
C) 1) TPCL Thermal	14.167	337.408	Include PX	1.282	38.656
2) TPCL Hydro	5.057	97.098	Include Standby	0.000	0.000
3) TPCL Gas	4.267	102.373	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.800	242.312	1) MSEDCL	362.362	8683.395
D) STATE			2) Mumbai Discoms	54.215	1281.807
1) Thermal	251.817	6298.226	TOTAL STATE	416.577	9965.202
(A1+C1+C4+(B1-B6))					
2) Hydro	20.840	435.861			
(A2+C2)					
3) Gas	14.928	366.792			
(A3+B6+C3)					
4) Wind	6.965	131.464			
6) SOLAR	1.262	29.040			
TOTAL STATE	295.812	7261.383			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6190	5881	5900	5065
MSPGCL Hydro	1184	1646	1599	72
MSPGCL Gas	432	437	431	471
MSPGCL Total Generation	7806	7964	7930	5608
Central Sector Receipt	5805	5736	5488	3747
WIND	330	163	167	314
CPP / IPP Thermal	3995	3896	3862	3394
CPP / IPP Gas	0	0	0	0
SOLAR	125	10	0	0
Exchange with Mumbai	-835	-1116	-1138	-520
MSEDCL DEMAND MET	17226	16653	16309	12543
Load Shedding	0	0	0	0
MSEDCL DEMAND	17226	16653	16309	12543
TPCL GENERATION	1188	1172	1226	696
R-INFRA GENERATION	506	385	384	387
MUMBAI DEMAND	2529	2673	2748	1603
STATE DEMAND MET	19755	19326	19057	14146
STATE DEMAND	19755	19326	19057	14146
Frequency (Hz)	49.96	49.94	50.00	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18.00 Hrs	49.72 Hz at 06.11 Hrs	49.97	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 24/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	0.00	54.21	0	0
Unit 8	12.54	228.83	571	480
Total	12.54	283.04		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	9.64	216.14	510	360
Unit 5	8.17	248.82	500	0
Total	17.81	464.95		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.70	84.97	211	186
Unit 7	4.61	97.81	220	176
Total	9.31	182.78		
Chandrapur				
Unit 3	4.45	106.69	200	164
Unit 4	4.47	105.98	200	168
Unit 5	9.90	175.38	450	359
Unit 6	10.07	233.49	460	355
Unit 7	8.83	211.51	395	354
Unit 8	10.31	242.46	500	364
Total	48.02	1075.52		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.13	118.60	238	188
Total	5.13	118.60		
Khaparkheda				
Unit 1	3.87	90.26	180	135
Unit 2	3.96	99.68	200	160
Unit 3	3.99	101.95	202	160
Unit 4	3.94	84.76	190	153
Unit 5	10.79	246.95	500	374
Total	26.55	623.58		
Nasik				
Unit 3	4.04	100.56	190	165
Unit 4	3.98	56.44	178	160
Unit 5	0.00	40.10	0	0
Total	8.02	197.10		
Uran				
All Units	10.66	248.27	471	415
Total	10.66	248.27		
PGPL				
Unit 1	0.00	10.00	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	6.15	0	0
Total	0.00	16.15		
PENCH (MS)				
Pench (MS)	0.16	10.66	53	0
Total	0.16	10.66		
Koyna				
Stage 1-2	5.44	102.80	490	40
Stage 4	5.51	118.78	797	0
Stage 3	1.98	46.83	230	0
Total	12.93	268.42		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.19	0.20	60	0
TILLARI	0.37	8.78	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.20	4.82	80	0
RNGR+BHTSA	0.00	7.40	0	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.70	13.06	39	26
GHATGHAR	1.39	24.12	250	0
Total	2.85	70.35		
Wind				
Total	6.96	131.46	0	0
Total	6.96	131.46		
CPP				
APML(Mus)	52.73	1301.16	0	0
JSWEL(Mus)	14.98	485.83	0	0
VIPL(Mus)	10.54	266.08	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.04	97.95	0	0
Other(Mus)	8.57	156.13	0	0
Total	90.87	2535.91		
SOLAR				
Total	1.26	29.04	0	0
Total	1.26	29.04		
Tata				
Trombay 5	9.92	209.53	493	310
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.70	64.90	115	90
Trombay 7B	1.57	37.47	68	58
Trombay 8	4.24	127.87	249	0
TATA Hydro	5.06	97.10	459	0
Total	23.49	536.88		
R-INFRA				
1-2	9.80	242.31	511	384
Total	9.80	242.31		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	75.72
Koradi 9	9.60	125.39
Koradi 10	0.00	0.00
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	136.98	3182.59
MSPGCL Thml+Gas	147.64	3430.86
MSPGCL Hydro	15.78	338.76

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	163.43	3769.63
Koyna 1,2 & 4 Total	10.95	221.58
State Total	295.81	7261.38

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	5052	72	464	5588	176	3432	0	0	4317	4343	-742	12797	0	12797	1823	14620	49.99
2	5014	67	460	5541	251	3404	0	0	4173	3906	-607	12495	0	12495	1693	14188	49.99
3	5065	72	471	5608	314	3394	0	0	4163	3747	-520	12543	0	12543	1603	14146	50.02
4	5225	67	464	5756	377	3401	0	0	3699	3630	-460	12704	0	12704	1544	14248	49.98
5	5350	72	460	5882	416	3410	0	0	3739	3663	-465	12906	0	12906	1549	14455	49.97
6	5528	152	459	6139	449	3504	0	0	4075	4291	-494	13889	0	13889	1652	15541	49.94
7	6063	590	460	7113	438	3943	0	0	4681	4788	-559	15723	0	15723	1806	17529	49.97
8	6302	730	458	7490	395	4183	0	22	5247	5227	-563	16754	0	16754	2011	18765	49.90
9	6409	777	422	7608	333	4085	0	75	5359	5395	-682	16814	0	16814	2212	19026	49.97
10	6190	1184	432	7806	330	3995	0	125	5434	5805	-835	17226	0	17226	2529	19755	49.96
11	6100	1311	438	7849	325	3953	0	166	5548	5703	-1013	16983	0	16983	2757	19740	49.96
12	6050	1097	415	7562	325	3955	0	182	5692	5486	-1105	16405	0	16405	2761	19166	49.96
13	5935	633	420	6988	310	3939	0	182	5716	5828	-1048	16199	0	16199	2710	18909	49.93
14	5934	691	426	7051	287	3938	0	173	5646	5403	-1043	15809	0	15809	2628	18437	49.98
15	5927	916	422	7265	231	3910	0	154	5650	5744	-1131	16173	0	16173	2648	18821	49.92
16	5860	1273	428	7561	165	3902	0	107	5565	5611	-1146	16200	0	16200	2664	18864	49.87
17	5834	1531	434	7799	174	3907	0	59	5567	5533	-1154	16318	0	16318	2669	18987	49.91
18	5881	1646	437	7964	163	3896	0	10	5510	5736	-1116	16653	0	16653	2673	19326	49.94
19	5900	1599	431	7930	167	3862	0	0	5575	5488	-1138	16309	0	16309	2748	19057	50.00
20	5893	463	445	6801	173	3874	0	7	5577	5482	-996	15341	0	15341	2622	17963	49.98
21	5535	280	452	6267	178	3792	0	0	5545	5698	-1099	14836	0	14836	2485	17321	50.01
22	5343	423	453	6219	205	3720	0	0	5334	5674	-1034	14784	0	14784	2283	17067	50.04
23	5320	71	459	5850	344	3728	0	0	4943	4745	-1033	13634	0	13634	2121	15755	49.98
24	5274	66	451	5791	439	3739	0	0	4427	3809	-941	12837	0	12837	2024	14861	50.02
MUs	136.98	15.78	10.66	163.43	6.96	90.87	0.00	1.26	121.18	120.74	-20.92	362.33	0.00	362.33	54.22	416.55	49.97

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 24/Nov/2016

Position as on 6.30 Hrs of 25/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	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero 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.	
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.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	18/11/2016	01.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	For COD Conformation.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Nov/2016

Position as on 6.30 Hrs of 25/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 9	500	23/11/2016	12.43		Continued.	Boiler Tube Leakage	
PGPL	PGPL U1	262	23/11/2016	19.30		Continued.	No schedule.	
PGPL	PGPL U2	126	23/11/2016	19.33		Continued.	No schedule.	
MSPGCL	Bhusawal Unit 5	500	23/11/2016	22.07	24/11/2016	02.17	ID Fan Problem	
TPC_G	Trombay 8	250	24/11/2016	13.55	24/11/2016	17.30	Due to Excitation System Problem.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 25/Nov/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	23/11/2016	19.36	24/11/2016	06.40	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	24/11/2016	01.25	24/11/2016	06.42	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	24/11/2016	18.50	25/11/2016	06.04	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	24/11/2016	22.06	25/11/2016	05.33	HT	Over Voltage
Koradi Satpur	InterState	24/11/2016	23.55	25/11/2016	02.12	T	Tripped only from Sarni end on D.P & AR successful from Koradi end. Trial taken from sarni end at 01:06hrs but tripped from Koradi End.
Ektuni-Bableshwar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Padghe - Kalwa- I	IntraState	21/11/2016	12.50		Continued.	PO	Outage up to 29.11.2016 for construction work.
Jaigad-Karad Ckt-I	IntraState	21/11/2016	16.43		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	22/11/2016	19.17	24/11/2016	10.09	HT	Over Voltage
karad -kolhapur-I	IntraState	24/11/2016	10.10		Continued.	PO	Annual Maintenance Work (RFC at 18:07hrs)
Chandrapur-Parali III	IntraState	24/11/2016	13.41	24/11/2016	18.06	PO	Nutbolt Tighting.
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	24/11/2016	07.50	24/11/2016	11.40	T	Disfferential prot.
400/220 KV 500MVA ICT II @ Nanded	IntraState	24/11/2016	12.20	24/11/2016	16.57	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	01/09/2016	00.00	25/11/2016	00.56	HT	No schedule from Karnataka(H/T from Chikodi end) Opportunity outage availed from 24.11.2016 at 19:15 Hrs to 25.11.2016 at 00:56Hrs
Talandage - Chikodi	InterState	01/09/2016	00.00	25/11/2016	00.39	HT	No schedule from Karnataka(H/T from Talandage end) (QM work done from 13:05Hrs to 17:23Hrs on 5/10/2016) Opportunity Outage availed from 24.11.2016 at 15:00Hrs to 25.11.2016 at 00:39Hrs
Tillari Amona	InterState	24/11/2016	05.30	24/11/2016	06.42	T	Distance Protection
Talegaon(PG)-Talegaon(Ambi)-II	InterState	24/11/2016	18.52	24/11/2016	19.38	T	Bus Bar Protection Operated
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.
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 on 28.10.2016 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.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Divering 100kv padghe-sahapur line THR nasik-know park line.
Nigade- Peth Line	IntraState	22/11/2016	09.30		Continued.	PO	Diagnostic Testing Work.
Kalwa - Mulund 1	IntraState	22/11/2016	15.27		Continued.	PO	High Ampacity Conductor Replacement.
Telco- Chinchwad	IntraState	23/11/2016	10.10		Continued.	PO	Civil Strenthening Work for Line &

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 24/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 25/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Bus Isolator
Theur- Magar Patta City	IntraState	24/11/2016	09.24	24/11/2016	19.27	PO	To Manage Load For Outage On Lonikand.
Theur-Phursungi	IntraState	24/11/2016	09.25	24/11/2016	18.04	PO	To Manage Load For Outage On Lonikand.
Lonikand (400 Kv)-Theur I	IntraState	24/11/2016	09.43	24/11/2016	18.37	PO	Providing Additional Jump At Cut Point Location.
Raymond - Washala	IntraState	24/11/2016	10.10	24/11/2016	13.18	PO	Testing & Maintenance Work.
Uran - Apta III	IntraState	24/11/2016	10.40	24/11/2016	14.42	PO	Repairing Of Damage Conductor At Apta S/S.
Lonand-Baramati	IntraState	24/11/2016	10.42	24/11/2016	16.50	PO	Flashover String & Attending Hotspot.
Washala - Ghatghar	IntraState	24/11/2016	14.05	24/11/2016	18.00	PO	Testing Work
Uran - Apta IV	IntraState	24/11/2016	14.48	24/11/2016	17.32	PO	Annual Maintenance Work
Urse - Talegaon (Ambi) Ckt 1	IntraState	24/11/2016	18.52	24/11/2016	20.13	T	Bus Bar Protection Operated
TALEGAON - TALEGAON ambi (PG) -I	IntraState	24/11/2016	18.52	24/11/2016	22.27	T	Bus Bar Protection Operated
Urse - Talegaon (Ambi) Ckt 2	IntraState	24/11/2016	18.52	24/11/2016	19.57	T	Bus Bar Protection Operated
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 Ict 1 @Sawangi	IntraState	23/11/2016	10.29		Continued.	PO	Overhauling of OLTC & Attending Gear Problem.
220/132KV 100MVA ICT-I@ Kathapur	IntraState	24/11/2016	15.00	24/11/2016	17.30	PO	CT Oil Leakage Attending Work.
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