

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Nov/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	143.455	3045.609	1) Gujrat	-1.034	-0.662
2) Hydro	18.394	322.980	2) Madhya Pradesh	7.449	202.671
3) Gas	10.731	237.609	3) Chattisgarh	8.080	146.600
Total MSPGCL	172.580	3606.198	4) Maharashtra Net	96.559	2250.888
B) 1) APML	54.332	1248.429	5) Goa (Amona)	-0.730	-16.440
2) JSWEL	15.893	470.852	Total	110.324	2583.057
3) VIPL	11.315	255.541	a) Mumbai Schedule	18.057	392.471
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	20.423	481.695
5) WPCL	4.255	93.907	c) MSEDCL Bilateral *	26.899	615.385
6) PGPL	2.170	16.149	Include PX	-0.196	-18.152
7) Other IPP	8.752	147.564	d) Mumbai Bilateral *	18.057	392.471
C) 1) TPCL Thermal	15.779	323.241	Include PX	1.756	37.374
2) TPCL Hydro	4.288	92.041	Include Standby	0.000	0.000
3) TPCL Gas	3.700	98.106	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.145	232.512	1) MSEDCL	364.770	8321.033
D) STATE			2) Mumbai Discoms	54.335	1227.592
1) Thermal	263.926	6046.409	TOTAL STATE	419.105	9548.625
(A1+C1+C4+(B1-B6))					
2) Hydro	22.682	415.021			
(A2+C2)					
3) Gas	16.601	351.864			
(A3+B6+C3)					
4) Wind	4.310	124.499			
6) SOLAR	1.262	27.778			
TOTAL STATE	308.781	6965.571			

* 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	6223	6262	6001	5832
MSPGCL Hydro	1331	1207	1038	90
MSPGCL Gas	459	428	443	462
MSPGCL Total Generation	8013	7897	7482	6384
Central Sector Receipt	5479	4925	5287	2897
WIND	160	138	138	280
CPP / IPP Thermal	4276	4243	4208	3441
CPP / IPP Gas	105	230	205	0
SOLAR	134	8	0	0
Exchange with Mumbai	-987	-869	-892	-566
MSEDCL DEMAND MET	17180	16572	16428	12436
Load Shedding	0	0	0	0
MSEDCL DEMAND	17180	16572	16428	12436
TPCL GENERATION	1178	1294	1332	632
R-INFRA GENERATION	386	507	508	386
MUMBAI DEMAND	2551	2670	2732	1584
STATE DEMAND MET	19731	19242	19160	14020
STATE DEMAND	19731	19242	19160	14020
Frequency (Hz)	49.94	49.88	50.00	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 18:01 Hrs	49.74 Hz at 15:37 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 23/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	12.02	216.29	540	445
Total	12.02	270.50		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.40	206.50	500	365
Unit 5	9.45	240.65	510	0
Total	19.86	447.14		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.02	80.27	246	186
Unit 7	4.84	93.20	227	191
Total	9.85	173.47		
Chandrapur				
Unit 3	4.19	102.24	200	148
Unit 4	4.42	101.52	199	166
Unit 5	9.76	165.49	450	363
Unit 6	9.97	223.42	470	357
Unit 7	9.32	202.68	420	346
Unit 8	10.31	232.15	500	337
Total	47.96	1027.50		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.25	113.46	247	188
Total	5.25	113.46		
Khaparkheda				
Unit 1	3.96	86.38	185	150
Unit 2	4.05	95.72	195	160
Unit 3	4.09	97.96	200	160
Unit 4	4.08	80.81	191	160
Unit 5	10.54	236.16	500	380
Total	26.72	597.03		
Nasik				
Unit 3	4.00	96.52	170	165
Unit 4	3.28	52.46	175	0
Unit 5	0.00	40.10	0	0
Total	7.29	189.08		
Uran				
All Units	10.73	237.61	476	418
Total	10.73	237.61		
PGPL				
Unit 1	1.33	10.00	144	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.84	6.15	89	0
Total	2.17	16.15		
PENCH (MS)				
Pench (MS)	0.32	10.50	37	0
Total	0.32	10.50		
Koyna				
Stage 1-2	5.58	97.36	555	40
Stage 4	7.00	113.27	883	0
Stage 3	3.17	44.86	240	0
Total	15.75	255.49		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.01	0.01	5	0
TILLARI	0.37	8.40	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.08	4.62	50	0
RNGR+BHTSA	0.38	7.40	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.55	12.36	34	20
GHATGHAR	1.26	22.73	250	0
Total	2.65	67.49		
Wind				
Total	4.31	124.50	0	0
Total	4.31	124.50		
CPP				
APML(Mus)	54.33	1248.43	0	0
JSWEL(Mus)	15.89	470.85	0	0
VIPL(Mus)	11.32	255.54	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.26	93.91	0	0
Other(Mus)	8.75	147.56	0	0
Total	94.55	2445.05		
SOLAR				
Total	1.26	27.78	0	0
Total	1.26	27.78		
Tata				
Trombay 5	10.29	199.61	491	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.27	62.20	115	65
Trombay 7B	1.43	35.90	67	49
Trombay 8	5.49	123.63	252	201
TATA Hydro	4.29	92.04	423	11
Total	23.77	513.39		
R-INFRA				
1-2	10.14	232.51	509	384
Total	10.14	232.51		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	4.90	75.72
Koradi 9	9.61	115.79
Koradi 10	0.00	0.00
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	143.46	3045.61
MSPGCL Thml+Gas	154.19	3283.22
MSPGCL Hydro	18.39	322.98

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	172.58	3606.20
Koyna 1,2 & 4 Total	12.58	210.63
State Total	308.78	6965.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	5840	323	471	6634	252	3462	0	0	3498	2800	-822	12326	0	12326	1844	14170	49.97
2	5817	117	463	6397	286	3444	0	0	3567	3055	-635	12547	0	12547	1658	14205	50.00
3	5832	90	462	6384	280	3441	0	0	3193	2897	-566	12436	0	12436	1584	14020	50.00
4	5862	75	463	6400	270	3454	0	0	3011	2911	-509	12526	0	12526	1528	14054	49.97
5	5854	80	476	6410	324	3462	0	0	3014	3424	-512	13108	0	13108	1529	14637	49.97
6	6116	216	472	6804	382	3679	15	0	3797	3897	-603	14174	0	14174	1623	15797	49.95
7	6693	176	467	7336	370	4066	20	0	4572	4506	-748	15550	0	15550	1805	17355	49.94
8	6725	750	465	7940	319	4214	56	23	4938	5227	-701	17078	0	17078	1989	19067	49.92
9	6544	902	476	7922	172	4254	89	82	5116	5237	-802	16954	0	16954	2189	19143	49.95
10	6223	1331	459	8013	160	4276	105	134	5127	5479	-987	17180	0	17180	2551	19731	49.94
11	6370	1311	432	8113	136	4254	128	156	5158	5199	-1056	16930	0	16930	2725	19655	49.97
12	6421	1007	428	7856	118	4095	165	194	5205	5293	-1099	16622	0	16622	2763	19385	49.95
13	6189	1032	423	7644	97	4065	198	182	5182	5060	-1067	16179	0	16179	2730	18909	49.93
14	5869	1497	422	7788	84	4077	221	174	5121	5096	-1105	16335	0	16335	2658	18993	49.92
15	5857	1583	421	7861	68	4069	231	161	5113	5188	-1099	16479	0	16479	2686	19165	49.88
16	6202	1389	440	8031	60	4187	230	100	5171	4909	-1033	16484	0	16484	2704	19188	49.92
17	6222	1290	418	7930	95	4235	231	48	5105	4898	-986	16451	0	16451	2704	19155	49.91
18	6262	1207	428	7897	138	4243	230	8	5040	4925	-869	16572	0	16572	2670	19242	49.88
19	6001	1038	443	7482	138	4208	205	0	5166	5287	-892	16428	0	16428	2732	19160	50.00
20	5391	1030	433	6854	131	3926	46	0	5297	5458	-891	15524	0	15524	2657	18181	49.99
21	5450	1046	445	6941	108	3837	0	0	4732	4916	-827	14975	0	14975	2493	17468	49.97
22	5634	622	439	6695	86	3942	0	0	4959	4604	-799	14528	0	14528	2316	16844	50.03
23	5084	176	433	5693	86	3894	0	0	5153	5225	-929	13969	0	13969	2166	16135	49.94
24	4997	106	452	5555	150	3763	0	0	5001	4833	-886	13415	0	13415	2031	15446	49.99
MUs	143.45	18.39	10.73	172.58	4.31	94.55	2.17	1.26	111.24	110.32	-20.42	364.77	0.00	364.77	54.34	419.11	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 23/Nov/2016

Position as on 6.30 Hrs of 24/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	Koyana 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.	
PGPL	PGPL U2	126	16/11/2016	19.30	23/11/2016	06.58	due to no Schedule	
PGPL	PGPL U1	262	16/11/2016	19.31	23/11/2016	05.02	due to no Schedule	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Nov/2016

Position as on 6.30 Hrs of 24/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
MSPGCL	Nasik Unit 4	210	23/11/2016	07.27	23/11/2016	10.33	Speed gear problem.	
MSPGCL	Chandrapur Unit 9	500	23/11/2016	08.33	23/11/2016	10.33	Low furnace pressure	
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	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 24/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	22/11/2016	19.14	23/11/2016	07.00	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	23/11/2016	00.50	23/11/2016	06.09	HT	Over Voltage
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
Ektuni-Bableswhar 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		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/11/2016	22.09	23/11/2016	06.46	HT	Over Voltage
Padghe - Kalwa-II	IntraState	23/11/2016	07.08	23/11/2016	07.23	PO	Shifted on TBC To Attend Hot Spot.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva Ict 2 @Koradi	IntraState	23/11/2016	09.10		Continued.	PO	Testing Work
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)
Tillari Amona	InterState	24/11/2016	05.30	24/11/2016	06.42	T	Distance Protection
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.
Bableswhar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableswhar -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.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Diverting 100kv padghe-sahapur line THR nasik-know park line.
Trombay - Kalwa	IntraState	20/11/2016	14.10		Continued.	T	Distance Protection
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.
Ambazari-Amravati	IntraState	22/11/2016	21.16		Continued.	PO	Attending Hot Spot on B phase WT.
Osmanabad - Barshi	IntraState	23/11/2016	05.58	23/11/2016	10.17	T	Distance Protection Operated Z-I R Phase.
REL Borivali Aarey Line	IntraState	23/11/2016	07.09		Continued.	PO	Attending Problem of Isolator.
Telco- Chinchwad	IntraState	23/11/2016	10.10		Continued.	PO	Civil Strenthening Work for Line & Bus Isolator
Centuri Enka- Bhosari	IntraState	23/11/2016	10.11	23/11/2016	17.34	PO	Attending CB Air Leakage.
Parli New Tps - Beed Ckt 1	IntraState	23/11/2016	10.20	23/11/2016	18.13	PO	Stringing of 220KV Top Bus.
Dondaicha(220)-Amalner(220)	IntraState	23/11/2016	10.22	23/11/2016	11.54	PO	Measurement of Tandelta of CT.
Talandage(400kv) - Five Star Midc	IntraState	23/11/2016	14.52	23/11/2016	16.32	PO	Insulator Cleaning 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 23/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 24/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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)
220/132kv 200 Mva Aditya Vidyut Ict 1 @Kanhana	IntraState	23/11/2016	09.44	23/11/2016	18.47	PO	Measurement of Tandelta of CT,Breaker Timings,Allignment Work of Isolators.
220/132 Kv 100 Mva Ict 1 @Sawangi	IntraState	23/11/2016	10.29		Continued.	PO	Overhauling of OLTC & Attending Gear Problem.
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