



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

25/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Nov/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.604	2583.966	1) Gujrat	2.115	70.864
2) Hydro	7.862	307.628	2) Madhya Pradesh	15.656	558.817
3) Gas	14.322	356.167	3) Chattisgarh	14.280	376.020
Total MSGENCO	126.788	3247.761	4) Maharashtra	49.567	1387.558
B) OTHERS			5) Goa	-6.595	-156.677
1) JSW JAIGAD	28.734	628.527	6) TAPS 1&2 Injection	7.765	193.962
2) WPCL	8.664	178.197	7) RGPPL Injection	29.995	764.473
3) Other CPP / IPP	6.348	127.015	8) Pench (Excess)	-0.517	-7.374
4) Wind Generation	8.585	100.156	# Total Cent. Sector	112.266	3187.643
5) PENCH (MS)	0.517	11.505	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.708	-268.175
1) TPCL Thermal	28.799	672.839	G) Bilateral Power *		
2) TPCL Hydro	4.082	95.240	1) MSEDCL Bilateral	42.499	948.169
TOTAL TPCL	32.881	768.079	Include PX	2.948	68.694
3) REL Thermal	12.647	301.777	2) MUMBAI Bilateral	10.532	307.475
D) STATE			Include PX	0.399	8.702
1) Thermal (A1+C1+C3)	146.050	3558.582	3) MUMBAI Schedule	10.532	317.788
2) Hydro (A2+B5+C2)	12.461	414.373	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.322	356.167	1) MSEDCL	284.194	7212.629
4) Wind (B4)	8.585	100.156	2) TPCL	35.880	890.986
5) CPP (B1+B2+B3)	43.746	933.739	3) REL	17.452	447.006
TOTAL STATE	225.164	5363.017	TOTAL STATE	337.526	8550.621

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4079	4781	4224
MSGENCO Hydro	649	231	175
MSGENCO Gas	567	506	667
MSGENCO Total Generation	5295	5518	5066
Central Sector Receipt	4906	4824	4739
WIND	460	337	321
CPP / IPP	1865	1850	1817
Exchange with Mumbai	-340	-507	-83
MSEDCL DEMAND MET	12212	12043	11789
Load Shedding (LS)	1914	1089	177
MSEDCL DEMAND (INCL. LS)	14126	13132	11966
TPCL GENERATION	1798	1680	998
REL GENERATION	528	526	528
TPCL+REL DEMAND	2666	2713	1609
STATE DEMAND MET	14878	14756	13398
Load Management (LM)	2885	4352	1722
Total Load Relief (LS+LM)	4799	5441	1899
UNRESTRICTED STATE DEMAND	19677	20197	15297
Frequency (Hz)	49.50	49.70	49.77

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 15.37 Hrs	48.91 Hz at 09.18 Hrs	49.63	4.13 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 25/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.35	73.40	150	118	140
Unit 6	3.36	89.13	161	125	140
Unit 7	3.59	49.08	165	135	140
Total	10.30	211.61			420
Bhusawal					
Unit 2	4.18	85.44	195	160	160
Unit 3	4.27	69.58	190	140	160
Unit 4	0.00	0.00	0	0	
Total	8.45	155.02			320
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	3.92	86.51	186	132	160
Unit 5	2.94	73.16	135	112	130
Unit 6	2.48	108.77	216	0	200
Unit 7	3.84	102.04	221	67	100
Total	13.19	395.82			590
Chandrapur					
Unit 1	3.62	93.99	157	141	160
Unit 2	0.00	9.78	0	0	0
Unit 3	4.00	98.67	185	128	180
Unit 4	2.21	116.91	194	0	0
Unit 5	1.95	174.41	340	0	0
Unit 6	10.27	196.90	459	405	400
Unit 7	10.66	203.10	470	414	450
Total	32.71	893.75			1190
Paras					
Unit 3	3.45	91.43	154	130	160
Unit 4	3.78	89.60	185	125	160
Total	7.22	181.02			320
Khaparkheda					
Unit 1	4.48	97.44	205	175	200
Unit 2	4.51	96.57	195	175	200
Unit 3	4.89	101.41	220	185	200
Unit 4	4.96	102.38	215	193	200
Unit 5	0.00	40.35	0	0	
Total	18.85	438.14			800
Nasik					
Unit 3	5.00	114.56	220	180	210
Unit 4	4.52	102.76	209	161	210
Unit 5	4.37	91.29	192	161	180
Total	13.88	308.60			600
Uran					
All Units	14.32	356.17	670	453	630
Total	14.32	356.17			630
PENCH (MS)					
Pench (MS)	0.52	11.50	50	0	
Total	0.52	11.50			
Koyna					
Stage 1-2	2.26	95.47	305	40	520
Stage 4	0.98	92.92	253	0	250
Stage 3	0.43	40.70	152	0	320
Total	3.67	229.09			1090
Kovna 12&4 Total	3.24	188.39			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.81	6.87	40	19	36
VTRNA	0.00	0.39	0	0	0
TILLARI	0.00	6.79	0	0	0
BHTGR/VEER	0.50	4.62	21	21	21
BHIRA T.R.	0.24	5.47	82	0	80
RNGR+BHTSA	0.40	9.61	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.28	7.26	15	0	0
SMLHY PTN	1.04	18.05	51	40	26
GHATGHAR	0.92	19.47	125	0	0
Total	4.19	78.54			180
Wind					
MalharPeth	0.58	8.28			
Vankuswadi	1.10	13.63			
ATIT	0.10	2.92			
Kale	0.47	5.25			
Satara	1.77	17.51			
Shirala	0.80	6.29			
K Mahankal	0.04	6.63			
Supa	0.11	1.80			
Vita	1.44	18.45			
Dondaicha	1.10	7.88			
Sakri	0.14	1.46			
Nandurbar	0.12	1.15			
Khandke	0.39	4.47			
Khaparale	0.41	4.44			
Total	8.58	100.16			
CPP					
JSW JAIGAD	28.73	628.53	1231	1102	1100
WARDHA	8.66	178.20	365	354	360
Other CPPs	6.35	127.02			
Total	43.75	933.74			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.42	247.54	495	366	500
Trombay 6	6.94	176.84	455	157	500
Trombay 7A	2.89	69.62	127	114	120
Trombay 7B	1.60	39.07	68	64	60
Trombay 8	5.95	139.77	250	238	250
TATA Hydro	4.08	95.24	416	0	447
Total	32.88	768.08			1877
REL					
1&2	12.65	301.78	529	524	500
Total	12.65	301.78			500
Cent Sect					
Share					5241
Total					5241

MS PG CL	Thermal	104.60	2583.97			4240
	Thml+Gas	118.93	2940.13			4870
	Hydro	7.86	307.63			1270
	Total	126.79	3247.76			6140
State Total		225.16	5363.02			15218

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Nov/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4259	175	667	5101	166	1721	4857	4788	-381	-241	11560	2382	11698	1840	15782	49.55
2	4167	175	670	5012	252	1714	4771	4797	-281	-119	11681	2225	11822	1700	15606	49.77
3	4224	175	667	5066	321	1721	4715	4739	-217	-83	11789	1899	11966	1609	15297	49.77
4	4235	173	667	5075	368	1749	4706	4513	-190	-63	11667	2078	11883	1555	15300	49.86
5	4258	178	658	5094	382	1803	4696	4726	-174	-39	11992	2281	12347	1541	15814	49.79
6	4139	488	654	5281	399	1828	4841	4593	-31	-19	12108	2765	12833	1606	16479	49.50
7	3980	247	654	4881	389	1832	4951	4787	-169	-110	11805	4210	13403	1724	17739	49.33
8	3960	377	638	4975	347	1855	4761	4433	-296	-207	11429	4750	13150	1834	18013	49.50
9	4017	198	644	4859	354	1848	4702	4539	-338	-265	11361	5000	13056	2074	18435	49.39
10	4014	354	634	5002	363	1853	4682	4529	-410	-235	11559	4846	13417	2303	18708	49.40
11	4089	341	627	5057	436	1862	5120	5061	-489	-348	12118	4746	14038	2631	19495	49.39
12	4079	649	567	5295	460	1865	5146	4906	-552	-340	12212	4799	14126	2666	19677	49.50
13	4166	596	466	5228	398	1866	5151	5036	-562	-388	12165	4941	14219	2670	19776	49.45
14	4258	607	454	5319	374	1872	5144	5009	-569	-434	12165	4560	13913	2605	19330	49.74
15	4404	690	453	5547	322	1857	5219	5126	-634	-524	12348	4236	13934	2662	19246	49.51
16	4275	764	465	5504	274	1842	5273	5176	-650	-587	12222	4334	13892	2677	19233	49.62
17	4419	367	488	5274	233	1828	4874	4697	-641	-568	11464	4888	13285	2678	19030	49.78
18	4644	152	482	5278	256	1825	4825	4532	-572	-523	11368	4862	12645	2659	18889	49.57
19	4781	231	506	5518	337	1850	4999	4824	-590	-507	12043	5441	13132	2713	20197	49.70
20	4838	279	642	5759	398	1838	5166	4460	-580	-494	11988	5383	12918	2675	20046	49.83
21	4789	177	649	5615	476	1857	5231	4636	-575	-416	12188	4890	12665	2454	19532	49.83
22	4852	162	649	5663	429	1828	5220	3973	-526	-435	11471	4396	11532	2273	18140	49.89
23	4906	156	655	5717	430	1832	5111	4204	-502	-418	11765	3763	11821	2114	17642	49.70
24	4851	151	666	5668	421	1800	4950	4182	-449	-345	11726	3410	11782	1973	17109	49.80
MUs	104.60	7.86	14.32	126.79	8.58	43.75	119.11	112.27	-10.38	-7.71	284.19	97.08	309.48	53.24	434.52	49.63

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 25/Nov/2011

Position as on 6.30 Hrs of 26/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	05/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	25/11/2011
Cent_Sect Kawas GT2A	106	21/11/2011	18:30		Continued.	W/Dn.	
Dabhol 1B	230	23/11/2011	03.45		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Chandrapur Unit 5	500	23/11/2011	04.53	25/11/2011	12.53	Boiler Tube Leakage	
Koyna Unit 7	80	24/11/2011	07.46		Continued.	Outage.	30/11/2011
Khaparkheda Unit 5	500	24/11/2011	09.40		Continued.	Boiler Tube Leakage.	28/11/2011
Cent_Sect NTPC(V-10)	500	24/11/2011	12.20	25/11/2011	18.43	W/Dn.	
Chandrapur Unit 4	210	25/11/2011	05.10	25/11/2011	16.06	Tripped on UAT Earth Fault.	
Parli Unit 6	250	25/11/2011	06.09	25/11/2011	14.38	Flame Failure.	
Chandrapur Unit 5	500	25/11/2011	15.01	25/11/2011	17.07	Primary water temperature high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2011

Position as on 6.30 Hrs of 26/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	07/11/2011	17.00		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	23/11/2011	20.19		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	24/11/2011	08.58	25/11/2011	09.57	Over Voltage.
Parli (PG) - Wardha (PG) - II	24/11/2011	17.49		Continued.	Over Voltage.
Kolhapur-Mapusa-II	24/11/2011	22.09	25/11/2011	10.43	Over Voltage.
Kolhapur - Mapusa - I	25/11/2011	16.35		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	23/11/2011	21.55		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	25/11/2011	14.40	25/11/2011	14.56	DT received at Aurangabad end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Main Bus- II @ Karad	22/11/2011	10.34		Continued.	For attending damaged Movable Blade of Y Phase PG Isolator of 400 KV Lonikand.
Jujury tie breaker of Koyna stg.IV bay.	24/11/2011	00.05	25/11/2011	18.53	Overhauling of ckt.breaker.
Chandrapur - Khaparkheda	25/11/2011	07.50	25/11/2011	19.51	Stringing activity of 400KV Tiroda-Varora D/C line crossing.
Padgha - Nagothane - I	25/11/2011	08.38	25/11/2011	19.15	Q.M.Work
400/220 KV 315 MVA ICT-III @ Padgha	25/11/2011	09.10	25/11/2011	18.25	Overhauling H.V.Side Breaker.
Main Bus - I @ 400 KV Akola	25/11/2011	09.30	25/11/2011	18.31	R.M.Work of M.B.-I alongwith bus CVT.
Bus Reactor @ Nagothane	25/11/2011	10.03	25/11/2011	18.33	Measurement of tan delta.
400/220 KV 300 MVA ICT-I @ Koradi	25/11/2011	10.54	25/11/2011	11.52	Repl.of 29C Isolator.at 220 KV S/yard under LES.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 29/11/2011
Kalwa-Mulund II	12/11/2011	09.43		Continued.	Replacement of breaker isolator .Line taken on TBC.(up to 28/11/2011)
Main Bus-II at Koradi	16/11/2011	10.36		Continued.	Replacement of 29B Isolator of ICT

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2011

Position as on 6.30 Hrs of 26/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					220KV Side.
220/15.75KV 250 MVA GT III @ Parly-I	16/11/2011	12.25		Continued.	Replacement of main bus isolator.
Girivali - Parli - III	23/11/2011	10.13		Continued.	Replacement of Main-I & Main-II Isolator Under LES.
220/7 KV 20 MVA Stn.T/F-IV at Korady	23/11/2011	16.53		Continued.	(L V Side is on TBC) Rep, of 29B Isolator.
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Wada-Kolshet	25/11/2011	09.19	25/11/2011	17.55	For safety.
220/132 KV 200 MVA ICT - II @ Malegaon	25/11/2011	09.20	25/11/2011	14.50	Q.M.Work
Main Bus II @ Aarey	25/11/2011	09.24	25/11/2011	17.01	Annual maint.work.
Kalmeshwar-Ambazari	25/11/2011	09.44	25/11/2011	19.35	For crimping of jumper.
Khaparkheda-Kawlewada-I	25/11/2011	10.02	25/11/2011	18.00	Attending Hot Spopt.
Kalwa-Temghar	25/11/2011	10.28	25/11/2011	20.10	Bunching work of 220KV Kalwa-Colourchem and Colourchem-Temghar.
Temghar-Colourchem	25/11/2011	10.34	25/11/2011	17.00	Bunching work of 220KV Kalwa-Colourchem and Colourchem-Temghar.
Kalwa-Colourchem	25/11/2011	10.46	25/11/2011	18.31	Bunching work of 220KV Kalwa-Colourchem and Colourchem-Temghar.
220/100KV 200MVA ICT-I at Kalwa	25/11/2011	10.53	25/11/2011	12.23	To change bucholz wiring.
220/132 KV 200 MVA ICT - I @ Babaleshwar	25/11/2011	11.05	25/11/2011	15.17	R-Ph,CT replacement work.
Girwali - Parbhani	25/11/2011	11.40	25/11/2011	14.54	To attend CT leakage.
Kalwa - Siemens	25/11/2011	13.19	25/11/2011	14.19	To install stud box between PT ckt.of meter.
Mahape - Siemens	25/11/2011	14.31	25/11/2011	17.30	To install stud box between PT ckt.of meter.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Pardi	20/11/2011	08.31		Continued.	Tower height raising 132KV Ambz-Pardi and Khapri-Besa ckt.
Boiser - Boiser MIDC - II	25/11/2011	08.27	25/11/2011	17.45	To attend hot spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	24/11/2011	21.47	25/11/2011	04.41	Over Voltage.
Bhusawal- Aurangabad	25/11/2011	19.51		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Bablsr - I	24/11/2011	10.24		Continued.	To Control the Load.
Chandrapur - Warora	24/11/2011	21.45		Continued.	To Control 220KV Warora-Wardha & Warora-Hinganghat Loading.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	135
	620	395
Bhusawal		
Unit 2	210	190
Unit 3	210	190
Unit 4	500	
	920	380
Parli		
Unit 3	210	0
Unit 4	210	166
Unit 5	210	115
Unit 6	250	150
Unit 7	250	175
	1130	606
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	325
Unit 6	500	400
Unit 7	500	425
	2340	1690
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
Unit 5	500	
	1340	800
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	162
	630	546
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	40
GHATGHAR	250	0
	611	180
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	1100
WARDHA	405	360
Other CPPs	0	
	1005	1460
Tata		
Trombay 4	150	0
Trombay 5	500	495
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1872
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5343
	3455	5343

	17900	7 of 7	15812
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