



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Sep/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	61.102	189.452	1) Madhya Pradesh	48.715	138.456
2) Hydro	6.741	23.222	2) Gujrat	30.625	98.654
3) Gas	15.702	47.168	3) Goa	-5.767	-17.447
Total MSGENCO	83.545	259.842	4) TAPS 1&2 (Inj.)	7.832	22.849
B) OTHERS			5) Pench (Excess)	-0.130	-0.274
1) RGPPL Gas	33.588	96.227	# Total Cent. Sector	81.275	242.238
2) Wind Generation	14.602	47.408	F) Other Exchanges		
3) CPP / IPP	12.085	30.634	1) With TPCL (Excess)	-9.625	-26.304
4) PENCH (MS)	0.130	0.274	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.488	17.079
1) TPCL Thermal	24.809	71.825	Include PX	5.706	17.870
2) TPCL Hydro	5.805	16.930	2) MUMBAI Bilateral	10.287	27.815
TOTAL TPCL	30.614	88.755	Include PX	3.551	6.951
3) REL Thermal	12.654	37.939	3) MUMBAI Schedule	10.287	27.815
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	98.565	299.216	1) MSEDCL	215.600	650.319
2) Hydro (A2+B3+C2)	12.676	40.426	2) TPCL	35.084	101.660
3) Gas (A3+B1)	49.290	143.395	3) REL	17.810	51.334
4) Wind (B2)	14.602	47.408	TOTAL STATE	268.494	803.313
5) CPP (B3)	12.085	30.634			
TOTAL STATE	187.218	561.079			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2615	2416	2515
MSGENCO Hydro	255	911	149
MSGENCO Gas	655	650	660
MSGENCO Total Generation	3525	3977	3324
Central Sector Receipt	3355	3698	3223
RGPPL	1331	1536	1334
WIND	513	676	517
CPP / IPP	488	507	500
Exchange with TPCL	-286	-508	-47
MSEDCL DEMAND MET	8926	9909	8851
Load Shedding	1419	2186	0
MSEDCL DEMAND (INCL. LS)	10345	12095	8851
TPCL GENERATION	1301	1501	938
REL GENERATION	528	526	528
TPCL+REL DEMAND	2115	2535	1513
STATE DEMAND MET	11041	12444	10364
STATE DEMAND (INCL. LS)	12460	14630	10364
Frequency (Hz)	50.06	49.75	50.17
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2566 MW At 20.00Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			31.27 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 06.04 Hrs	49.39 Hz at 19.26 Hrs	49.96	0 % 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 03/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.24	4.26	68	31	68
Unit 3	1.45	4.51	75	42	70
Unit 4	0.00	0.00	0	0	0
Unit 5	2.99	8.64	158	98	150
Unit 6	0.00	1.77	0	0	0
Unit 7	3.24	9.68	160	105	130
	8.92	28.87			418
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	2.28	6.99	110	70	120
Unit 3	0.01	0.01	10	0	0
	2.29	7.64			120
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.25	1.17	21	0	20
Unit 3	0.00	2.50	0	0	0
Unit 4	2.85	8.98	144	100	140
Unit 5	2.72	8.48	132	92	110
Unit 6	3.02	10.20	145	87	150
Unit 7	1.65	5.05	165	0	0
	10.49	36.38			420
Chandrapur					
Unit 1	2.77	7.45	134	85	90
Unit 2	2.68	6.82	136	85	100
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	4.89	14.74	240	160	210
Unit 6	3.06	9.71	170	75	100
Unit 7	5.59	16.01	250	213	220
	18.98	54.73			720
Paras					
Unit 2	0.40	1.26	21	0	0
Unit 3	1.89	7.20	117	47	130
Unit 4	2.10	6.75	152	0	
	4.39	15.22			130
Khaparkheda					
Unit 1	4.44	13.46	205	160	165
Unit 2	0.00	0.00	0	0	0
Unit 3	4.41	12.83	193	172	187
Unit 4	0.00	0.00	0	0	0
	8.85	26.30			352
Nasik					
Unit 1	0.25	0.25	67	0	0
Unit 2	1.50	4.47	80	49	50
Unit 3	1.76	5.99	100	35	100
Unit 4	1.80	2.99	112	41	100
Unit 5	1.88	6.63	100	51	100
	7.19	20.33			350
Koyna					
Stage 1-2	1.20	4.98	215	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.92	3.55	296	0	320
	2.12	8.52			920
Kovna 12&4 Total	1.20	4.98			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.70	47.17	667	636	640	
	15.70	47.17			640	
Hydro						
KDPH	0.95	2.81	40	39	36	
VTRNA	0.00	0.18	0	0	0	
TILLARI	0.27	0.87	60	0	0	
BHTGR/VEER	0.18	0.26	8	7	3	
BHIRA T.R.	0.47	1.46	81	0	80	
RNGR+BHTSA	0.06	0.91	3	2	17	
BHANDARDRA	0.69	2.29	29	28	32	
ELDARY	0.54	1.62	24	21	20	
SMLHY PTN	0.57	1.37	44	15	11	
GHATGHAR	0.89	2.92	250	0	0	
	4.62	14.70			199	
PENCH (MS)						
Pench (MS)	0.13	0.27	27	0		
	0.13	0.27				
Wind						
MalharPeth	1.01	2.74				
Vankuswadi	2.00	5.54				
ATIT	0.90	2.26				
Kale	0.66	2.21				
Satara	1.46	3.84				
Shirala	0.63	2.11				
K Mahankal	0.36	2.99				
Supa	0.18	0.58				
Vita	1.98	7.79				
Dondaicha	2.69	8.72				
Sakri	0.54	1.93				
Nandurbar	0.32	0.94				
Khandke	1.06	3.21				
Khaparale	0.81	2.55				
	14.60	47.41				
CPP						
TOTAL CPP	12.08	30.63				
	12.08	30.63				
Dabhol						
RGPPL	33.59	96.23	1545	1330	1250	
	33.59	96.23			1250	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	10.22	29.52	500	325	470	
Trombay 6	4.62	14.34	270	150	480	
Trombay 7A	2.92	8.75	126	119	120	
Trombay 7B	1.62	4.87	69	67	60	
Trombay 8	5.43	14.34	238	210	250	
TATA Hydro	5.80	16.93	387	36	447	
	30.61	88.76			1827	
REL						
1&2	12.65	37.94	529	525	500	
	12.65	37.94			500	
Cent Sect						
Share					3506	
					3506	
MS PG CL	Thermal	61.10	189.45		2510	
	Thml+Gas	76.80	236.62		3150	
	Hydro	6.74	23.22		1119	
	Total	83.54	259.84		4269	
State Total		187.22	561.08		11352	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Sep/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	2534	155	655	3344	1333	640	496	3030	3039	-185	-171	8681	138	8819	1794	10613	49.92
2	2592	155	662	3409	1334	570	492	3037	3260	-137	-123	8942	0	8942	1621	10563	50.07
3	2515	149	660	3324	1334	517	500	3014	3223	-70	-47	8851	0	8851	1513	10364	50.17
4	2507	156	661	3324	1332	569	503	2991	3314	-48	-23	9019	0	9019	1473	10492	49.97
5	2505	154	667	3326	1332	551	501	2990	3537	-48	-21	9226	0	9226	1493	10719	50.00
6	2573	186	658	3417	1330	449	499	2956	3944	-48	-24	9615	157	9772	1561	11333	49.88
7	2532	162	658	3352	1332	521	505	2973	3137	-182	-159	8688	1522	10210	1769	11979	50.20
8	2567	180	660	3407	1330	502	515	2997	3249	-206	-187	8816	1381	10197	1862	12059	50.10
9	2615	255	655	3525	1331	513	488	3095	3355	-302	-286	8926	1419	10345	2115	12460	50.06
10	2556	303	655	3514	1334	600	500	3527	3295	-590	-571	8672	1317	9989	2444	12433	49.96
11	2567	314	652	3533	1354	556	496	3742	3268	-711	-694	8513	1078	9591	2718	12309	49.94
12	2551	266	652	3469	1369	722	504	3790	3175	-759	-741	8498	659	9157	2779	11936	49.93
13	2616	181	650	3447	1370	732	501	3789	3249	-759	-733	8566	441	9007	2754	11761	49.88
14	2621	155	655	3431	1371	617	508	3681	3022	-670	-643	8306	441	8747	2650	11397	50.03
15	2636	166	661	3463	1369	571	513	3624	3158	-670	-648	8426	441	8867	2619	11486	49.96
16	2587	162	656	3405	1372	610	512	3568	3417	-670	-649	8667	441	9108	2592	11700	50.06
17	2439	184	657	3280	1371	815	519	3439	3530	-670	-644	8871	441	9312	2619	11931	50.06
18	2493	173	642	3308	1445	661	489	3434	3716	-647	-623	8996	622	9618	2578	12196	49.88
19	2388	417	636	3441	1540	628	501	3379	3694	-623	-580	9224	1738	10962	2524	13486	49.80
20	2416	911	650	3977	1536	676	507	3422	3698	-519	-508	9909	2186	12095	2535	14630	49.75
21	2556	795	656	4007	1538	672	511	3317	3541	-519	-467	9828	2093	11921	2449	14370	49.79
22	2542	577	648	3767	1543	679	506	3266	3667	-470	-418	9771	1994	11765	2314	14079	49.90
23	2603	387	650	3640	1545	625	517	3110	3509	-434	-375	9488	1349	10837	2148	12985	49.80
24	2591	198	646	3435	1543	606	502	2906	3278	-350	-290	9101	1181	10282	1969	12251	49.87
MUs	61.10	6.74	15.70	83.54	33.59	14.60	12.08	79.08	81.28	-10.29	-9.62	215.60	21.04	236.64	52.89	289.53	49.96

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 03/Sep/2010

Position as on 6.30 Hrs of 04/Sep/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Bhusawal Unit 3	210	31/07/2010	05.26	03/09/2010	19.40	Annual Overhaul.	
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	06/09/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	AOH.	15/09/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/10/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/09/2010
Koradi Unit 1	105	25/08/2010	11.51		Continued.	Boiler Inspection.	04/09/2010
Chandrapur Unit 4	210	28/08/2010	19:43		Continued.	Tripped on Differential Expantion.	04/09/2010
Khaparkheda Unit 4	210	28/08/2010	23.18		Continued.	Heavy seal oil leakage of Generator	04/09/2010
Chandrapur Unit 3	210	31/08/2010	08.05		Continued.	Furnace Pressure High.	04/09/2010
Nasik Unit 1	125	31/08/2010	14.30	03/09/2010	17.00	Steam Temp.Low.	
Koradi Unit 6	210	01/09/2010	19.17		Continued.	Coal Mill Chokeup	05/09/2010
Parli Unit 3	210	01/09/2010	21.41		Continued.	ESP Field Problem	05/09/2010
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	04/09/2010
Parli Unit 7	250	02/09/2010	08.53	03/09/2010	06.46	Furnace pressure high.	
Paras Unit 2	55	03/09/2010	05.05	03/09/2010	07.05	Reverse power port.operated.	
Uran Unit 5	108	04/09/2010	00.05		Continued.	Filter replacement.	
Paras Unit 3	250	04/09/2010	00.06		Continued.	CHP Belt replacement.	
Cent_Sect Gandhar U3	144	04/09/2010	00.09		Continued.	Low demand.	
Paras Unit 4	250	04/09/2010	03.38		Continued.	Bunkering problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2010

Position as on 6.30 Hrs of 04/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	12/08/2010	21.27		Continued.	Over Voltage.
Dhule - S'Sarovar- II	26/08/2010	22.08		Continued.	Over Voltage.
Wardha - Akola - I	28/08/2010	12.25		Continued.	Change Over
Dhule-Khandwa-I	30/08/2010	01.07	03/09/2010	08.15	Over Voltage.
Dhule-S'Sarovar I	04/09/2010	00.29		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	21/08/2010	06.06		Continued.	Over Voltage.
Akola - Wardha - II	01/09/2010	01.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintainance Work.
STG IV-N.Koyna -I	01/09/2010	09.40		Continued.	Bay Maintenance
400KV Bus A at Nagothane	03/09/2010	10.45	03/09/2010	21.43	Wave trap of Dabhol line II shifted from R to Y ph.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
Bus Section - II @ Nasik	30/08/2010	11.02		Continued.	Replacement of Bus Section - II c.b. & 6 No's of C T's.
Pedambe - Mahad	03/09/2010	08.05	03/09/2010	17.10	To attend damaged Y Ph.conductor.
Aurangabad-Chitegaon-I	03/09/2010	08.14	03/09/2010	18.49	Tower erection work.
220/100KV 125 MVA ICT-I @ Kalwa	03/09/2010	08.15	03/09/2010	10.15	For attending Y-Ph, T/F isolator clamp.
Aurangabad-Chitegaon-II	03/09/2010	08.15	03/09/2010	20.00	Tower erection work.
Talangade-Mudshingi	03/09/2010	09.25	03/09/2010	18.41	Coating of 220 KV Insulator string.
220/132 KV 100MVA ICT I at Pusad	03/09/2010	09.30	03/09/2010	13.45	Measurement of tan delta of HV/LV side of ICT.HV/LV side of CT.
Talandgade-Ichalkaranj -II	03/09/2010	10.52	03/09/2010	17.16	Q.M.Work
Nasik-Kalwa-III	03/09/2010	13.15	03/09/2010	16.58	Wave trap taken in to service.
220/132KV 100 MVA ICT II at Pusad	03/09/2010	14.40	03/09/2010	18.08	Measurement of tan delta of HV/LV side of ICT.HV/LV side of CT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Viraj	03/09/2010	10.18	03/09/2010	16.56	Damaged conductor replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	21/08/2010	17.58		Continued.	Over Voltage
Karad - Kolhapur - II	27/08/2010	23.01		Continued.	Over Voltage.
Karad-Lamboti	01/09/2010	22.28	03/09/2010	17.18	Over Voltage
Lonikand- Koyna Stage IV	01/09/2010	23.31		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2010

Position as on 6.30 Hrs of 04/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Bhusawal - Muktainagar	03/09/2010	20.12	03/09/2010	20.52	H/T For controlling line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Lonikand -I	03/09/2010	05.33		Continued.	Reactor backup port.operated at Lonikand.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Tripped on Diff.Prot.CTR system operated.
Finolex-New Koyna	03/09/2010	12.57	03/09/2010	13.43	Dist.Protection
220 KV Bus Coupler @ Ambazari.	03/09/2010	18.30	03/09/2010	18.57	Tripped on O/C, E/F.
Voltage Level : 132KV			Outage Type TRIPPED		
Kothrud-Phursungi	02/09/2010	19.35	03/09/2010	11.10	Distance protection.
Bhusawal - Jalgaon - II	03/09/2010	20.09	03/09/2010	20.48	Bus Bar Protection Operated.
Bhusawal - Nimbhora	03/09/2010	20.09	03/09/2010	20.47	Bus Bar Protection Operated.
Deepnagar-Khadka II	03/09/2010	20.09	03/09/2010	20.48	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	45
Unit 3	105	55
Unit 4	105	0
Unit 5	200	105
Unit 6	210	0
Unit 7	210	115
	1040	320
Bhusawal		
Unit 1	58	0
Unit 2	210	120
Unit 3	210	50
	478	170
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	140
Unit 5	210	110
Unit 6	250	150
Unit 7	250	150
	1190	550
Chandrapur		
Unit 1	210	125
Unit 2	210	130
Unit 3	210	0
Unit 4	210	0
Unit 5	500	200
Unit 6	500	150
Unit 7	500	230
	2340	835
Paras		
Unit 2	55	17
Unit 3	250	0
Unit 4	250	0
	555	17
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	165
Unit 4	210	0
	840	335
Nasik		
Unit 1	120	61
Unit 2	120	61
Unit 3	210	142
Unit 4	210	102
Unit 5	210	102
	870	468
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	470

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	470
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	22
SMLHY PTN	12	10
GHATGHAR	250	0
	611	225
PENCH (MS)		
Pench (MS)	53	
	53	
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1470
	960	1470
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	230
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3360
	3143	3360

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