



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Oct/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.354	1824.495	1) Gujrat	8.044	296.238
2) Hydro	10.510	463.294	2) Madhya Pradesh	21.490	420.904
3) Gas	11.138	300.977	3) Chattisgarh	13.080	241.400
Total MSGENCO	122.002	2588.766	4) Maharashtra	45.135	867.503
B) OTHERS			5) Goa	-6.654	-126.876
1) JSW JAIGAD	27.017	427.795	6) TAPS 1&2 Injection	7.845	146.436
2) WPCL	10.308	197.293	7) RGPPL Injection	35.193	135.322
3) Other CPP / IPP	5.767	98.935	8) Pench (Excess)	-0.487	-11.569
4) Wind Generation	2.129	49.139	# Total Cent. Sector	123.646	1969.358
5) PENCH (MS)	0.487	12.362	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.140	-209.754
1) TPCL Thermal	31.588	627.936	G) Bilateral Power *		
2) TPCL Hydro	3.654	78.069	1) MSEDCL Bilateral	32.330	641.638
TOTAL TPCL	35.242	706.005	Include PX	0.000	175.412
3) REL Thermal	12.539	262.700	2) MUMBAI Bilateral	14.960	253.289
D) STATE			Include PX	2.185	20.811
1) Thermal (A1+C1+C3)	144.481	2715.131	3) MUMBAI Schedule	14.960	254.314
2) Hydro (A2+B5+C2)	14.651	553.725	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.138	300.977	1) MSEDCL	280.216	5716.831
4) Wind (B4)	2.129	49.139	2) TPCL	39.491	785.281
5) CPP (B1+B2+B3)	43.092	724.023	3) REL	19.429	393.633
TOTAL STATE	215.491	4342.995	TOTAL STATE	339.136	6895.745

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4323	4458	3822
MSGENCO Hydro	494	563	430
MSGENCO Gas	441	460	485
MSGENCO Total Generation	5258	5481	4737
Central Sector Receipt	5569	5416	4987
WIND	73	134	50
CPP / IPP	1869	1761	1735
Exchange with Mumbai	-652	-637	-135
MSEDCL DEMAND MET	12117	12208	11422
Load Shedding (LS)	1806	806	425
MSEDCL DEMAND (INCL. LS)	13923	13014	11847
TPCL GENERATION	1772	1727	1078
REL GENERATION	523	522	522
TPCL+REL DEMAND	2947	2886	1735
STATE DEMAND MET	15064	15094	13157
Load Management (LM)	2372	3536	1534
Total Load Relief (LS+LM)	4178	4342	1959
UNRESTRICTED STATE DEMAND	19242	19436	15116
Frequency (Hz)	49.68	49.83	49.68

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 08:02 Hrs	49.04 Hz at 18:24 Hrs	49.73	.44 % 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 21/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.15	68.81	157	62	130
Unit 6	3.67	58.13	170	130	150
Unit 7	0.00	22.85	0	0	0
Total	6.82	149.79			280
Bhusawal					
Unit 2	1.78	2.52	160	0	120
Unit 3	3.06	73.50	150	110	130
Unit 4	0.00	3.62	0	0	0
Total	4.84	79.64			250
Parli					
Unit 3	3.08	65.57	143	103	115
Unit 4	2.88	14.20	155	95	100
Unit 5	3.08	61.00	149	103	110
Unit 6	3.22	80.31	172	0	140
Unit 7	2.48	5.38	176	0	150
Total	14.74	226.46			615
Chandrapur					
Unit 1	3.87	80.18	165	157	142
Unit 2	3.35	67.01	146	131	119
Unit 3	4.41	87.11	190	178	161
Unit 4	4.72	26.71	202	193	170
Unit 5	8.82	163.16	450	275	257
Unit 6	8.36	159.92	445	250	239
Unit 7	7.94	169.38	402	280	257
Total	41.48	753.46			1345
Paras					
Unit 3	4.03	62.93	205	132	140
Unit 4	3.84	41.19	214	104	120
Total	7.87	104.12			260
Khaparkheda					
Unit 1	4.56	77.38	210	165	180
Unit 2	0.00	55.39	0	0	0
Unit 3	4.53	82.63	216	155	200
Unit 4	5.21	85.41	221	212	210
Unit 5	0.08	31.95	75	0	0
Total	14.37	332.76			590
Nasik					
Unit 3	3.78	63.96	170	140	160
Unit 4	3.33	54.27	163	95	160
Unit 5	3.15	60.03	156	90	150
Total	10.25	178.26			470
Uran					
All Units	11.14	300.98	485	436	470
Total	11.14	300.98			470
PENCH (MS)					
Pench (MS)	0.49	12.36	53	0	0
Total	0.49	12.36			0
Koyna					
Stage 1-2	3.26	134.36	505	35	600
Stage 4	4.62	214.04	696	0	250
Stage 3	1.67	75.29	264	0	320
Total	9.56	423.70			1170
Kovna 12&4 Total	7.89	348.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	0.89	0	0	0
TILLARI	0.20	8.32	60	0	60
BHTGR/VEER	0.03	2.03	2	1	2
BHIRA T.R.	0.26	6.26	41	0	41
RNGR+BHTSA	0.34	6.72	15	14	12
BHANDARDRA	0.00	2.20	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	8.83	13	2	15
GHATGHAR	0.00	2.95	0	0	0
Total	0.95	39.60			130
Wind					
MalharPeth	0.10	2.79			
Vankuswadi	0.27	5.64			
ATIT	0.04	0.81			
Kale	0.11	1.79			
Satara	0.66	6.61			
Shirala	0.12	2.00			
K Mahankal	0.02	2.68			
Supa	0.08	1.53			
Vita	0.51	6.99			
Dondaicha	0.00	9.82			
Sakri	0.01	1.55			
Nandurbar	0.01	1.31			
Khandke	0.16	3.74			
Khaparale	0.03	1.86			
Total	2.13	49.14			
CPP					
JSW JAIGAD	27.02	427.80	1185	1022	985
WARDHA	10.31	197.29	478	377	433
Other CPPs	5.77	98.94			
Total	43.09	724.02			1418
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	243.42	490	490	500
Trombay 6	9.58	176.20	500	155	490
Trombay 7A	2.84	54.43	122	114	120
Trombay 7B	1.56	31.22	66	64	60
Trombay 8	5.85	122.67	247	235	250
TATA Hydro	3.65	78.07	356	0	447
Total	35.24	706.00			1867
REL					
1&2	12.54	262.70	526	520	500
Total	12.54	262.70			500
Cent Sect					
Share					5481
Total					5481

MS PG CL	Thermal	100.35	1824.50			3810
	Thml+Gas	111.49	2125.47			4280
	Hydro	10.51	463.29			1300
	Total	122.00	2588.77			5580
State Total		215.49	4343.00			14846

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Oct/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	3861	304	483	4648	16	1772	4863	5671	-554	-500	11658	2024	11834	2168	15850	49.61
2	3831	657	481	4969	13	1816	4714	5207	-406	-328	11717	1999	12037	1947	15663	49.65
3	3886	363	481	4730	24	1751	4665	5367	-333	-231	11666	1842	12078	1829	15337	49.74
4	3822	430	485	4737	50	1758	4655	4987	-323	-135	11422	1959	11847	1735	15116	49.68
5	3937	294	485	4716	81	1756	4645	5429	-312	-118	11888	1983	12320	1717	15588	49.74
6	3860	1154	474	5488	115	1769	4635	5053	-302	-176	12274	2273	12904	1777	16324	49.65
7	3926	832	473	5231	163	1787	4747	4287	-315	-195	11298	3634	12713	1869	16801	49.65
8	4026	387	471	4884	144	1757	4728	4588	-293	-199	11188	4160	12749	2005	17353	49.80
9	3968	232	471	4671	105	1815	4770	4467	-367	-276	10782	4291	12337	2303	17376	49.79
10	4046	241	460	4747	98	1871	5152	4899	-596	-414	11201	4391	13035	2663	18255	49.64
11	4113	518	453	5084	97	1862	5421	5327	-847	-629	11741	4343	13710	2922	19006	49.76
12	4323	494	441	5258	73	1869	5504	5569	-930	-652	12117	4178	13923	2947	19242	49.68
13	4339	410	449	5198	50	1861	5514	5552	-922	-686	11975	4313	13914	2943	19231	49.69
14	4292	208	436	4936	19	1831	5445	5860	-833	-687	11959	4042	13736	2876	18877	49.73
15	4242	771	447	5460	14	1817	5288	5614	-833	-751	12154	3653	13696	2936	18743	49.65
16	4319	1012	443	5774	18	1727	5150	5257	-851	-750	12026	3483	13437	2930	18439	49.64
17	4373	591	455	5419	21	1688	5105	4734	-826	-709	11153	3800	12658	2906	17859	49.72
18	4357	114	454	4925	41	1758	5053	4723	-790	-666	10781	3912	12020	2881	17574	49.71
19	4357	591	459	5407	108	1746	5073	5227	-760	-681	11832	4500	12874	2918	19250	49.69
20	4458	563	460	5481	134	1761	5283	5416	-798	-637	12208	4342	13014	2886	19436	49.83
21	4533	152	466	5151	144	1764	5240	5537	-741	-514	12133	4179	12801	2683	18995	49.79
22	4537	58	471	5066	158	1831	5184	4906	-708	-455	11557	4005	12076	2507	18069	49.92
23	4502	72	470	5044	210	1894	4983	5052	-660	-419	11834	3425	12299	2350	17609	49.95
24	4446	62	470	4978	233	1831	4947	4917	-660	-332	11652	2983	11971	2223	16858	49.88
MUs	100.35	10.51	11.14	122.00	2.13	43.09	120.76	123.65	-14.96	-11.14	280.22	83.71	305.98	58.92	422.85	49.73

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 21/Oct/2011

Position as on 6.30 Hrs of 22/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	05/09/2011	23.57	21/10/2011	17.10	Generator Inspection	
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	23/10/2011
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Uran Unit 6	108	19/10/2011	00.16	22/10/2011	01.51	Suspected BTL.	
Bhusawal Unit 2	210	19/10/2011	07.05	21/10/2011	01.20	Tripped.	
Koyna ST-IV 1	250	20/10/2011	00.01		Continued.	Servo Motor D C Leakage.	24/10/2011
Khaparkheda Unit 2	210	20/10/2011	09.04	22/10/2011	06.13	Boiler Tube Leakage.	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	22/10/2011
Bhusawal Unit 2	210	21/10/2011	08.10	21/10/2011	12.32	Drum level low.	
Parli Unit 7	250	21/10/2011	16.39	21/10/2011	18.56	Condenser vaccum problem.	
Dabhol 1B	230	21/10/2011	19.13	21/10/2011	23.41	Combartion system fail.	
Parli Unit 6	250	21/10/2011	21.19		Continued.	Low bunkering problem.	22/10/2011
CPP JSW (J) U2	300	22/10/2011	00.01		Continued.	Maint.work	23/10/2011
Dabhol 2A	230	22/10/2011	02.53		Continued.	Low gas allocation.	23/10/2011
Uran Unit 5	108	22/10/2011	03.30		Continued.	BFP discharge low.	23/10/2011
Uran Unit A0	120	22/10/2011	03.30		Continued.	BFP discharge low.	23/10/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2011

Position as on 6.30 Hrs of 22/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	19/10/2011	09.26		Continued.	Erection of Tower for LILO.
BOISER - PGCIL-II	21/10/2011	07:44	21/10/2011	13:13	To attend Hot Spot on CT and Wave Trap.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/10/2011	04.12		Continued.	Over Voltage.
Kolhapur - Mapusa - I	21/10/2011	04.23	21/10/2011	12:04	Over Voltage.
Karad - Solapur (PGCIL)	21/10/2011	07:39		Continued.	H/T for O/V.
Kolhapur - Mapusa - II	21/10/2011	22:54		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	19/10/2011	09.12	21/10/2011	12.14	Replacement of R,Y & B Ph.CTs.
400/220 KV 315 MVA ICT-II @ Nagothane.	19/10/2011	10.45		Continued.	H V Side Taken on TBC.
400/220KV 500MVA ICT-III at Bableshwar	21/10/2011	01.00	21/10/2011	03.49	For taking of TBC trial.
400/220KV 315 MVA ICT-II @ Padgha	21/10/2011	06:25	21/10/2011	18:11	Oil filtration work.
400/220KV 315MVA ICT- I @ Kharghar	21/10/2011	09:00	21/10/2011	18:55	Isolator alignments skm work.
Koradi - Bhusawal	21/10/2011	10:25	21/10/2011	19:10	Annual Maint. work.
400/220 KV 315 MVA ICT - I @ Aurangabad	21/10/2011	12:07	21/10/2011	15:58	Taken on TBC, To attend C B air leakages.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 15.10.2011
Boiser PGCIL-Boiser II	19/10/2011	07.26		Continued.	Taken on TBC Hot Spot.
Kandalgaon - Pophali	21/10/2011	07.35	21/10/2011	18.34	Maint. work at Koyna bus section.
Pophali - Bus Section - I	21/10/2011	08:37	21/10/2011	19:10	Isolator alignment work.
A'nagar-Pal	21/10/2011	09.20	21/10/2011	19.05	R.M.Work
Arrey-Goregoan(Rel).	21/10/2011	09.30	21/10/2011	12.38	Annual Maint. work.
Dhule - Malegaon	21/10/2011	09.44	21/10/2011	16.12	Replacement of insulator spring.
Pedambe - Mahad	21/10/2011	09:37	21/10/2011	10:10	Repl. of Micom relay card.
Badnera - Rly TSS - II	21/10/2011	10.32	21/10/2011	14.29	Maintenance of isolator.
Padgha - Temghar - II	21/10/2011	11.10	21/10/2011	19.28	R.M.Work
220/132 KV 200 MVA ICT - I @ Parbhani	21/10/2011	12.12	21/10/2011	14.55	Replacement of PD relay.
220/132 KV 200 MVA ICT - II @ Nanded	21/10/2011	13.00	21/10/2011	17.58	Replacement of diff. relay.
Lamboti - Pandharpur	21/10/2011	16.34	21/10/2011	20.02	LA replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kannad - Kagzipura	21/10/2011	10.17	21/10/2011	13.16	Attending red hot spot.
Main Bus section-II at	21/10/2011	14.31	21/10/2011	16.54	Construction work of new bay.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2011

Position as on 6.30 Hrs of 22/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Washim					
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Girawali-Parli	21/10/2011	14.28	21/10/2011	15.59	To attend hot spot on R ph.line isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	20/10/2011	23.01	21/10/2011	05.50	Over Voltage.
Bhusawal- Aurangabad	21/10/2011	08:08	21/10/2011	09:18	H/T for O/V.
Bhusawal- Aurangabad	21/10/2011	21:27		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Bale-Murud	16/10/2011	05.08		Continued.	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08		Continued.	To control Parli ICT loading
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N.40.44,45,46.
Padgha-Temghar I	18/10/2011	18.46		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	18/10/2011	18.48		Continued.	To Control Padgha ICT Loading.
Khaperkheda - Wardha.	21/10/2011	11.46		Continued.	To control Koradi ICT loading.
Abhijeet-Wardha-I	21/10/2011	18.01		Continued.	To control Koradi ICT loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Girwali - Kej	21/10/2011	05.48	21/10/2011	06.02	To control Parli-II ICT over loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,500 MVA ICT-III at Nagothane.	29/09/2011	15.20		Continued.	NDR Trip.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Bableshtar-Aurangabad	21/10/2011	08:08	21/10/2011	08:52	Tripped due to O/V.
Dabhol-Nagothane-II	21/10/2011	14:08	21/10/2011	18:23	Tripped on D/P.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Karad-Pophali-II	20/10/2011	14.56	21/10/2011	01.56	Distance protection.
Kandalgaon - Sonalloy	21/10/2011	15.32	21/10/2011	16.16	Distance protection R ph. to earth.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	0
	620	280
Bhusawal		
Unit 2	210	150
Unit 3	210	130
Unit 4	500	
	920	280
Parli		
Unit 3	210	110
Unit 4	210	115
Unit 5	210	135
Unit 6	250	0
Unit 7	250	180
	1130	540
Chandrapur		
Unit 1	210	165
Unit 2	210	140
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
Unit 6	500	430
Unit 7	500	380
	2340	1945
Paras		
Unit 3	250	160
Unit 4	250	130
	500	290
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	144
Unit 4	210	144
Unit 5	210	126
	630	414
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	2
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	129
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	825
WARDHA	405	433
Other CPPs	0	
	1005	1258
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5220
	3455	5220

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