



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Feb/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.840	602.796	1) Madhya Pradesh	56.584	297.445
2) Hydro	5.613	43.435	2) Gujrat	25.694	142.366
3) Gas	11.365	61.710	3) Goa	-6.197	-31.517
Total MSGENCO	140.818	707.941	4) TAPS 1&2 (Inj.)	7.035	32.690
B) OTHERS			5) Pench (Excess)	-0.177	-1.361
1) RGPPL Gas	29.834	152.198	# Total Cent. Sector	82.939	439.623
2) Wind Generation	2.402	8.672	F) Other Exchanges		
3) PENCH (MS)	0.177	1.361	1) With TPCL	-5.926	-30.142
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.519	105.915	1) MSEDCL Bilateral	5.920	29.286
2) TPCL Hydro	6.291	31.531	Include PX	0.000	1.247
TOTAL TPCL	27.810	137.446	2) MUMBAI Bilateral	5.463	28.336
3) REL Thermal	12.738	63.656	Include PX	3.727	19.538
D) STATE			3) MUMBAI Schedule	6.455	32.124
1) Thermal (A1+C1+C3)	158.097	772.367	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.081	76.327	1) MSEDCL	250.244	1279.653
3) Gas (A3+B1)	41.199	213.908	2) TPCL	30.625	151.588
4) Wind (B2)	2.402	8.672	3) REL	15.850	79.553
TOTAL STATE	213.779	1071.274	TOTAL STATE	296.719	1510.794

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5133	5206	5260
MSGENCO Hydro	346	500	184
MSGENCO Gas	467	534	438
MSGENCO Total Generation	5946	6240	5882
Central Sector Receipt	3577	3961	2419
RGPPL	1260	1208	1280
WIND	107	57	162
Exchange with TPCL	-437	-460	-21
MSEDCL DEMAND MET	10501	11023	9722
Load Shedding	3924	4127	0
MSEDCL DEMAND (INCL. LS)	14425	15150	9722
TPCL GENERATION	1402	1388	774
REL GENERATION	532	528	531
TPCL+REL DEMAND	2371	2376	1326
STATE DEMAND MET	12872	13399	11048
STATE DEMAND (INCL. LS)	16796	17526	11048
Frequency (Hz)	49.81	49.81	49.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4347 MW at 16:00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.15 MUS.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 18:03 Hrs	49.04 Hz at 05:57 Hrs	49.79	0 % of Time

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

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 05/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.88	9.88	84	73	80
Unit 2	0.82	5.80	69	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	0.07	0.46	36	0	0
Unit 5	3.78	15.89	165	143	150
Unit 6	3.79	18.53	168	148	160
Unit 7	4.36	21.02	193	164	190
	14.70	71.58			580
Bhusawal					
Unit 1	1.08	4.86	50	36	50
Unit 2	4.54	22.08	194	177	190
Unit 3	4.62	22.89	200	185	195
	10.25	49.82			435
Parli					
Unit 1	0.58	2.79	26	22	23
Unit 2	0.56	2.68	25	21	23
Unit 3	3.87	19.17	172	146	165
Unit 4	4.82	23.06	213	188	200
Unit 5	0.00	0.00	0	0	0
Unit 6	5.40	31.60	252	155	240
	15.22	79.29			651
Chandrapur					
Unit 1	3.54	17.61	152	143	150
Unit 2	3.81	19.45	162	152	160
Unit 3	3.93	20.80	180	107	210
Unit 4	4.51	22.23	195	180	210
Unit 5	8.90	47.72	456	304	450
Unit 6	9.24	43.15	440	345	450
Unit 7	10.06	50.74	450	373	450
	43.98	221.69			2080
Paras					
Unit 2	1.09	5.49	48	39	36
Unit 3	4.71	23.06	218	110	210
	5.80	28.54			246
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.68	22.87	202	188	190
Unit 3	5.06	24.44	216	197	210
Unit 4	5.14	24.85	219	211	210
	14.89	72.16			610
Nasik					
Unit 1	2.32	5.73	103	88	95
Unit 2	2.15	10.32	98	82	95
Unit 3	4.95	16.59	210	200	205
Unit 4	4.76	23.57	205	191	205
Unit 5	4.80	23.49	208	190	200
	18.99	79.71			800
Uran					
All Units	11.36	61.71	534	435	460
	11.36	61.71			460
Koyna					
Stage 1-2	1.40	8.26	175	35	600
Stage 4	0.00	10.20	0	0	250
Kovna 12&4 Total	1.40	18.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.34	3.65	160	0	240
	1.74	22.12			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.72	3.64	61	0	60
TILLARI	0.36	1.78	61	0	60
BHTGR/VEER	1.58	7.91	66	66	68
BHIRA T.R.	0.34	1.54	82	0	80
RNGR+BHTSA	0.32	1.40	15	12	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.18	0.91	15	0	10
PAITHAN	0.06	0.28	10	0	10
GHATGHAR	0.33	3.86	125	0	0
	3.88	21.32			303
PENCH (MS)					
Pench (MS)	0.18	1.36	50	0	
	0.18	1.36			
Wind					
MalharPeth	0.06	0.35			
Vankuswadi	0.24	1.13			
ATIT	0.03	0.23			
Kale	0.06	0.32			
Satara	0.08	0.38			
Shirala	0.05	0.29			
K Mahankal	0.02	0.07			
Supa	0.04	0.30			
Vita	0.39	1.86			
Dondaicha	0.99	2.52			
Sakri	0.16	0.50			
Nandurbar	0.10	0.24			
Khadakale	0.11	0.29			
Khaparale	0.07	0.20			
	2.40	8.67			
Dabhol					
RGPP L II	29.83	152.20	1280	1203	1220
RGPP L III	0.00	0.00	0	0	
	29.83	152.20			1220
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.37	0.37	150	0	0
Trombay 6	11.80	59.20	510	390	500
Trombay 7A	2.35	11.47	115	70	120
Trombay 7B	1.46	7.25	65	52	60
Trombay 8	5.54	27.63	250	150	250
TATA Hydro	6.29	31.53	481	0	447
	27.81	137.45			1377
REL					
1&2	12.74	63.66	532	528	500
	12.74	63.66			500
Cent Sect					
Share					3393
					3393

MS PG CL	Thermal	123.84	602.80		5402
	Thml+Gas	135.20	664.51		5862
	Hydro	5.61	43.44		1393
	Total	140.82	707.94		7255
State Total		213.78	1071.27		13745

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Feb/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	5237	184	454	5875	1273	113	2780	2722	-42	-18	9965	445	10410	1430	11840	49.81
2	5208	174	453	5835	1279	165	2809	2595	-42	-25	9849	0	9849	1369	11218	49.95
3	5260	184	438	5882	1280	162	2809	2419	-42	-21	9722	0	9722	1326	11048	49.90
4	5222	179	437	5838	1275	142	2808	2737	-42	-9	9983	0	9983	1261	11244	49.79
5	5200	179	437	5816	1273	145	2809	3096	-42	-21	10316	1354	11670	1272	12942	49.66
6	5228	254	437	5919	1270	170	2888	3178	-42	-21	10566	2024	12590	1361	13951	49.58
7	5217	264	438	5919	1272	149	3186	3199	1	25	10571	3305	13876	1500	15376	49.63
8	5260	179	438	5877	1275	144	3134	3152	-3	11	10459	3771	14230	1671	15901	49.67
9	5273	197	438	5908	1271	139	3129	2821	-3	13	10152	4088	14240	1843	16083	49.61
10	5134	271	435	5840	1267	148	3472	3243	-250	-227	10271	4090	14361	2160	16521	49.80
11	5140	305	470	5915	1264	108	3614	3761	-415	-386	10685	3728	14413	2319	16732	49.82
12	5133	346	467	5946	1260	107	3658	3577	-460	-437	10501	3924	14425	2371	16796	49.81
13	5098	189	457	5744	1257	62	3493	3866	-527	-509	10423	3949	14372	2412	16784	49.86
14	5100	131	457	5688	1248	48	3647	3835	-516	-501	10318	3891	14209	2290	16499	49.96
15	5070	141	452	5663	1204	44	3698	3890	-491	-473	10328	3960	14288	2313	16601	49.80
16	5106	129	460	5695	1208	47	3689	4199	-491	-476	10673	3804	14477	2317	16794	49.95
17	5037	135	459	5631	1206	44	3676	4165	-566	-550	10496	3738	14234	2318	16552	49.84
18	5075	151	534	5760	1206	30	3715	4399	-566	-548	10847	3370	14217	2261	16478	49.86
19	5154	210	534	5898	1208	35	3311	4249	-442	-426	10986	3906	14892	2337	17229	49.94
20	5206	500	534	6240	1208	57	3400	3961	-480	-460	11023	4127	15150	2376	17526	49.81
21	5233	551	534	6318	1206	52	3310	3854	-335	-311	11119	3860	14979	2242	17221	49.70
22	5200	304	534	6038	1213	95	3322	3396	-210	-184	10558	3882	14440	2121	16561	49.93
23	5106	253	534	5893	1208	102	3363	3536	-252	-216	10523	3162	13685	1849	15534	49.53
24	4943	203	534	5680	1203	94	3064	3089	-198	-156	9910	1849	11759	1755	13514	49.67
MUs	123.84	5.61	11.36	140.82	29.83	2.40	78.78	82.94	-6.46	-5.93	250.24	70.23	320.47	46.47	366.94	49.79

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 05/Feb/2010

Position as on 6.30 Hrs of 06/Feb/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)	31/03/2010
Tata Trombay 5	500	03/01/2010	00.57	05/02/2010	21.35	AOH	
Khaparkheda Unit 1	210	05/01/2010	23.57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00.17		Continued.	COH.	21/03/2010
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Dabhol 1B	230	30/01/2010	01.45		Continued.	Turbine temp.high	08/02/2010
Parli Unit 5	210	30/01/2010	17.34		Continued.	Hydrogen Leakage	09/02/2010
Koradi Unit 4	115	01/02/2010	04.55	05/02/2010	21.57	Boiler Tube Leakage	
Koradi Unit 2	105	03/02/2010	23.35	05/02/2010	07.19	Boiler Tube Leakage	
Parli Unit 4	210	06/02/2010	01.08	06/02/2010	17.40	Flash on 6.6 KV PT.	
Tata Trombay 5	500	06/02/2010	10.58	06/02/2010	16.21	Load through test.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2010

Position as on 6.30 Hrs of 06/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi-Amona	05/02/2010	10.05	05/02/2010	15.40	Repl.of damage conductor.
Tillary-Amona	05/02/2010	10.15	05/02/2010	15.43	Repl.of damage conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56	05/02/2010	08.56	H/T. SYSTEM CONSTRAINT.
Akola - Aurangabad - I	20/01/2010	00:45	05/02/2010	09.23	H/T System Constraint.
Dhule-S'Sarovar I	30/01/2010	16.23		Continued.	Hand Tripped For Over Voltage.
Akola-Aurangabad--II	05/02/2010	08.55	06/02/2010	16.48	H/T.
Akola - Wardha - II	05/02/2010	09.22		Continued.	H/T.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	06/02/2010	10.15		Continued.	R Ph.of breaker caught fire.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-II at Koradi	04/02/2010	05.15	05/02/2010	00.59	Replacement of CVTs
400/220KV 315MVA ICT-I at Kharghar	04/02/2010	12.18		Continued.	Taken on TBC.
Main Bus-II at Koradi	05/02/2010	01.48	05/02/2010	11.37	Modification work.
Bablsr-Padgha Ckt I	05/02/2010	09.05	05/02/2010	21.33	Replacement of flashover insulator.
Lonikand-Karad	05/02/2010	09.54	05/02/2010	17.10	Maintenance of CB.(Line taken on TBC)
400KV Main Bus-II & B/C at Nagothane	05/02/2010	10.23	05/02/2010	23.56	Replacement of B-Ph CT of B/C.
400/220KV, 315MVA ICT-II at Aurangabad.	05/02/2010	12.10	05/02/2010	15.50	Measurement of CRM.
400/220 KV 315 MVA ICT at Akola	05/02/2010	16.40	05/02/2010	18.10	For RTCC Panel Trials.
Bablsr-Padgha Ckt I	06/02/2010	07.45	06/02/2010	22.28	Insulator replacement work.
400/220KV,315MVA ICT-I at Karad	06/02/2010	20.57	06/02/2010	23.41	Sparking in neutral CT Terminal box.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Kalwa - Ghatghar	29/01/2010	09.12		Continued.	Replacement of conductor.
Nasik - Ghatghar	30/01/2010	08.56	06/02/2010	18.51	Conductor Repalcement.
220/100KV,100MVA ICT-IV at K'gaon	04/02/2010	09.35	06/02/2010	09.40	C.T.replacement work.
Sonkar - Nerul	05/02/2010	07.30	05/02/2010	17.08	Replacement of conductor.
Temghar-Colourchem	05/02/2010	08.00	05/02/2010	19.45	Stringing of conductor.
220/132 KV 150MVA ICT-II at Dhule	05/02/2010	08.35	05/02/2010	19.58	CT replacement work.
Padgha-Temghar	05/02/2010	09.36	05/02/2010	18.52	Stringing of conductor.
New-Koyna-Pawas	05/02/2010	10.20	05/02/2010	17.57	Insulator replacement.
Karad-Wathar	05/02/2010	11.11	05/02/2010	19.11	For connecting jumper of new WT and CC
Padegaon - Sawangi	05/02/2010	12.00	05/02/2010	17.35	Q.M.Work
New Koyna - Pawas	06/02/2010	09.13	06/02/2010	18.03	Insulator replacement work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2010

Position as on 6.30 Hrs of 06/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Jindal - Ghatghar	06/02/2010	09.30	06/02/2010	16.45	Conductor replacement.
Kolhapur-Karad-IV	06/02/2010	10.28	06/02/2010	17.22	Wave trap and CC replacement.
Chandrapur Rly TSS Ckt-I	06/02/2010	11.16	06/02/2010	17.38	Measurement of tan delta of CT.
Warora 220 KV Bus.Sectionalizer Bay.	06/02/2010	12.20	06/02/2010	16.35	Jumpering work of CC by PGCIL.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400 KV Main Bus - II @ Koradi	05/02/2010	11.43	05/02/2010	12.20	CVT Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa-Nasik III	30/01/2010	18.59	05/02/2010	14.00	Hand Tripped for Tower Leg Bend @ Loc.No.84.
Aurangabad Bus Coupler	06/02/2010	10.25	06/02/2010	11.22	H/T Due to 400 KV A'bad-Akola - I R Ph BKR Burst.
Aurangabad - Padegaon - I.	06/02/2010	10.27	06/02/2010	11.17	H/T Due to 400 KV A'bad-Akola - I R Ph BKR Burst.
Aurangabad-Jalna-II	06/02/2010	10.27	06/02/2010	11.24	H/T due to 400 KV A'bad-Akola - I R Ph BKR Burst.
Aurangabad-Jalna-I	06/02/2010	10.27	06/02/2010	11.24	H/T Due to 400 KV A'bad-Akola - I R Ph BKR Burst.
Aurangabad-Padegaon CKT-II	06/02/2010	10.27	06/02/2010	11.18	H/T due to 400 KV A'bad-Akola - I R Ph BKR Burst.
Voltage Level : 400KV			Outage Type TRIPPED		
Bableshwar-Aurangabad	06/02/2010	10.25	06/02/2010	11.16	Direct trip fault at Aurangabad end.
Bus coupler at Aurangabad	06/02/2010	10.25	06/02/2010	11.22	Trip
400/220 KV 315 MVA ICT - I at Aurangabad	06/02/2010	10.25	06/02/2010	11.03	Trip
Bhusawal- Aurangabad	06/02/2010	10.25	06/02/2010	11.39	Trip.
400/220KV, 315MVA ICT-II at Aurangabad.	06/02/2010	10.25	06/02/2010	11.22	Trip
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bucchoitz Trip.
Mahad-Nagothane	05/02/2010	10.08	05/02/2010	14.21	Dist Prot.B-Ph to earth.
Bableshwar - Ahemednagar ckt. I	06/02/2010	10.25	06/02/2010	11.20	O/L trimming scheme operated.
Babaleshwar - Nagar - II	06/02/2010	10.25	06/02/2010	11.21	O/L trimming scheme operated.
BBLSR-Waluj	06/02/2010	10.25	06/02/2010	11.45	Back up over current.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV, 25 MVA T/F-I at Katol	23/01/2010	10.44		Continued.	Differential protection operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	05/02/2010	08.36	05/02/2010	09.08	Dist Prot.R-Ph to earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	60
Unit 5	200	160
Unit 6	210	160
Unit 7	210	195
	1040	725
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	195
	478	435
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	0
Unit 5	210	0
Unit 6	250	250
	940	456
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	400
Unit 6	500	450
Unit 7	500	450
	2340	2030
Paras		
Unit 2	55	46
Unit 3	250	115
	305	161
Khaparkheda		
Unit 1	210	0
Unit 2	210	185
Unit 3	210	205
Unit 4	210	200
	840	590
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	800
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	66
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	291
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPPPL II	960	1228
RGPPPL III	740	
	1700	1228
Tata		
Trombay 4	150	0
Trombay 5	500	200
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3260
	3143	3260

	17616	7 of 7	13623
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