



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Sep/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	85.203	1304.149	1) Gujrat	10.728	-4.485
2) Hydro	24.426	301.193	2) Madhya Pradesh	18.231	214.958
3) Gas	10.876	147.610	3) Chattisgarh	6.720	97.560
Total MSGENCO	120.505	1752.952	4) Maharashtra Net	103.671	1233.528
B) 1) JSW JAIGAD	26.743	395.913	(Incl. 765kV Solapur-Raichur)	-5.921	-68.403
2) WPCL	2.316	58.667	5) Goa	-6.412	-90.410
3) ADANI	19.360	173.923	6) TAPS 1&2 Injection	7.327	111.339
4) Other CPP / IPP	14.643	194.069	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.088	427.878	8) Pench (Excess)	-0.687	-9.615
6) PENCH (MS)	0.687	9.615	# Total Cent. Sector	139.578	1552.875
7) SOLAR	0.970	10.910	F) Other Exchanges		
C) 1) TPCL Thermal	15.743	217.728	1) With TPCL (Excess)	-25.916	-366.304
2) TPCL Hydro	4.722	68.597	G) Bilateral Power *		
TOTAL TPCL	20.465	286.325	1) MSEDCL Bilateral	25.620	309.159
3) REL Thermal	12.540	184.665	Include PX	1.934	-25.169
D) STATE			2) MUMBAI Bilateral	25.052	308.258
1) Thermal (A1+C1+C3)	113.486	1706.542	Include PX	2.136	66.995
2) Hydro (A2+B6+C2)	29.835	379.405	3) MUMBAI Schedule	25.349	312.513
3) Gas (A3)	10.876	147.610	H) ENERGY CATERED (MUs)		
4) Wind (B5)	8.088	427.878	1) MSEDCL	306.974	4210.498
5) CPP/IPP (B1+B2+B3+B4)	63.062	822.572	2) TPCL	37.574	534.726
6) SOLAR (B7)	0.970	10.910	3) REL	21.344	302.561
TOTAL STATE	226.317	3494.917	TOTAL STATE	365.892	5047.785

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3325	3681	3528
MSGENCO Hydro	1451	1519	146
MSGENCO Gas	446	442	468
MSGENCO Total Generation	5222	5642	4142
Central Sector Receipt	6664	6477	5317
WIND	157	415	311
CPP / IPP	2986	2416	2290
SOLAR	132	96	0
Exchange with Mumbai	-1437	-1461	-552
MSEDCL DEMAND MET	13738	13625	11508
Load Shedding	60	52	49
MSEDCL DEMAND	13798	13677	11557
TPCL GENERATION	1005	970	615
R-INFRA GENERATION	522	522	522
TPCL+R-INFRA DEMAND	2964	2953	1689
STATE DEMAND MET	16702	16578	13197
STATE DEMAND	16762	16630	13246
Frequency (Hz)	49.93	49.94	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 17:02 Hrs	49.66 Hz at 18:53 Hrs	49.94	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 15/Sep/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.00	40.19	151	110	145
Unit 7	1.31	44.25	150	0	150
Total	4.31	84.43			295
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	0.00	20.14	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	7.90	129.56	425	280	301
Total	7.90	158.62			301
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.78	50.24	163	152	170
Unit 6	5.20	69.97	232	200	250
Unit 7	5.33	63.76	238	198	250
Total	14.31	183.97			670
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.78	40.06	132	90	130
Unit 3	2.51	26.94	131	60	130
Unit 4	2.89	43.70	139	105	150
Unit 5	2.28	49.04	250	0	0
Unit 6	0.08	65.48	79	0	0
Unit 7	4.83	91.21	338	0	0
Total	15.38	316.44			410
Paras					
Unit 3	4.39	24.35	199	154	210
Unit 4	4.02	66.73	189	148	160
Total	8.40	91.08			370
Khaparkheda					
Unit 1	3.72	35.14	175	130	170
Unit 2	3.64	50.94	180	130	170
Unit 3	4.15	56.45	200	149	170
Unit 4	4.09	54.02	182	157	170
Unit 5	7.17	107.43	345	230	350
Total	22.76	303.98			1030
Nasik					
Unit 3	4.00	57.04	185	140	180
Unit 4	3.94	48.55	181	111	180
Unit 5	4.20	60.04	183	164	190
Total	12.15	165.62			550
Uran					
All Units	10.88	147.61	470	442	465
Total	10.88	147.61			465
PENCH (MS)					
Pench (MS)	0.69	9.62	54	0	0
Total	0.69	9.62			0
Koyna					
Stage 1-2	5.40	69.50	525	40	600
Stage 4	12.04	111.34	1120	0	250
Stage 3	3.72	47.93	320	0	320
Kovna 12&4 Total	17.44	180.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.16	228.77			1170
Hydro					
KDPH	0.00	7.40	0	0	36
VTRNA	0.60	11.49	61	0	61
TILLARI	0.47	9.20	63	0	63
BHTGR/VEER	0.14	2.31	6	5	9
BHIRA T.R.	0.29	5.95	80	0	80
RNGR+BHTSA	0.00	0.61	0	0	0
BHANDARDRA	0.34	5.30	15	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.66	18.06	35	24	8
GHATGHAR	0.76	12.09	125	0	0
Total	3.26	72.42			271
Wind					
MalharPeth	0.24	13.07			
Vankuswadi	0.39	21.79			
ATIT	0.04	2.78			
Kale	0.18	8.82			
Satara	2.94	204.51			
Shirala	0.24	12.01			
K Mahankal	0.02	1.44			
Supa	0.03	7.85			
Vita	0.65	42.42			
Dondaicha	2.18	63.80			
Sakri	0.30	9.95			
Nandurbar	0.46	11.34			
Khandke	0.10	15.63			
Khaparale	0.34	12.44			
Total	8.09	427.88			
CPP					
JSW JAIGAD	26.74	395.91	1208	877	1098
WARDHA	2.32	58.67	99	93	97
Adani	19.36	173.92	1120	540	1055
Other CPPs	14.64	194.07			625
Total	63.06	822.57			2875
SOLAR					
Total	0.97	10.91			
Total	0.97	10.91			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	121.64	505	479	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.35	37.11	115	79	120
Trombay 7B	1.48	22.73	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.72	68.60	458	0	447
Total	20.46	286.32			1127
REL					
1&2	12.54	184.66	525	520	500
Total	12.54	184.66			500
Cent Sect					
Share					6272
Total					6272
MS PG CL	Thermal	85.20	1304.15		3626
	Thml+Gas	96.08	1451.76		4091
	Hydro	24.43	301.19		1441
	Total	120.50	1752.95		5532
State Total		226.32	3494.92		16306

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Sep/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	3555	313	468	4336	359	2316	0	4948	5367	-690	-766	11612	76	11688	1960	13648	49.99
2	3565	157	468	4190	364	2222	0	5103	5433	-552	-670	11552	49	11601	1824	13425	49.97
3	3444	151	470	4065	338	2277	0	5491	5548	-526	-591	11637	49	11686	1740	13426	50.01
4	3528	146	468	4142	311	2290	0	5313	5317	-526	-552	11508	49	11557	1689	13246	50.02
5	3347	146	470	3963	247	2438	0	5334	5593	-526	-498	11743	50	11793	1651	13444	49.97
6	3310	261	460	4031	243	2636	0	5374	5798	-563	-578	12163	57	12220	1759	13979	49.92
7	3361	914	461	4736	228	2686	1	5389	5974	-659	-761	12904	88	12992	1925	14917	49.98
8	3362	1466	461	5289	186	2889	27	5373	5864	-845	-933	13356	139	13495	2098	15593	49.99
9	3286	1746	455	5487	234	2907	89	5713	5917	-1221	-1196	13472	102	13574	2403	15977	49.94
10	3348	1517	450	5315	197	2961	124	6319	6530	-1398	-1359	13794	60	13854	2749	16603	49.87
11	3325	1451	446	5222	157	2986	132	6523	6664	-1423	-1437	13738	60	13798	2964	16762	49.93
12	3433	1599	443	5475	117	2694	146	6560	6519	-1494	-1428	13523	89	13612	3016	16628	49.96
13	3691	1622	444	5757	115	2427	101	6459	6621	-1457	-1497	13524	169	13693	3008	16701	49.98
14	3747	1542	446	5735	128	2415	91	6277	6368	-1352	-1415	13330	117	13447	2917	16364	49.94
15	3759	1384	444	5587	253	2435	89	6370	6466	-1361	-1428	13429	81	13510	2937	16447	49.83
16	3681	1519	442	5642	415	2416	96	6167	6477	-1364	-1461	13625	52	13677	2953	16630	49.94
17	3655	1327	442	5424	468	2440	51	6009	6147	-1363	-1334	13242	52	13294	2923	16217	49.89
18	3671	592	447	4710	534	2467	22	5769	5569	-1345	-1341	12015	63	12078	2892	14970	49.93
19	3719	1103	448	5270	604	2589	1	5490	5374	-1275	-1211	12681	60	12741	2798	15539	49.83
20	3744	1976	447	6167	641	2693	0	5281	5030	-1179	-1161	13424	157	13581	2820	16401	49.94
21	3752	1570	448	5770	529	2857	0	5229	5038	-1092	-1135	13112	159	13271	2748	16019	49.91
22	3614	1057	448	5119	525	3002	0	5338	5156	-1050	-1119	12736	63	12799	2569	15368	49.96
23	3599	552	450	4601	495	3065	0	5429	5393	-1096	-1141	12465	54	12519	2379	14898	49.89
24	3707	315	450	4472	400	2954	0	5498	5415	-992	-904	12389	54	12443	2199	14642	49.93
MUs	85.20	24.43	10.88	120.50	8.09	63.06	0.97	136.76	139.58	-25.35	-25.92	306.97	1.95	308.92	58.92	367.84	49.94

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 15/Sep/2014

Position as on 6.30 Hrs of 16/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	BLR T/L.	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
CPP VIPL U-2	300	07/09/2014	13.48	15/09/2014	15.52	Coal bunkering problem.	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
CPP Adani U-2	660	12/09/2014	02.00	15/09/2014	01.51	HP Turbine Leakage	
Chandrapur Unit 6	500	13/09/2014	08.00	15/09/2014	23.06	BTL	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	BTL	
CPP Adani U-4	660	13/09/2014	14.25	15/09/2014	20.59	BTL	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
Bhusawal Unit 3	210	14/09/2014	07.15		Continued.	BTL	
Chandrapur Unit 5	500	14/09/2014	21.05	15/09/2014	10.58	PA Fan Prob.	
CPP Adani U1	660	15/09/2014	01.41	15/09/2014	18.23	Turbine bearing Vabration high	
Chandrapur Unit 7	500	15/09/2014	04.28	15/09/2014	10.35	Turbine bearing Vabration high	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Sep/2014

Position as on 6.30 Hrs of 16/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koradi Unit 7	210	15/09/2014	11.22		Continued.	Coal mill broblem.	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP Adani U1	660	16/09/2014	02.01		Continued.	Turbine Vibration.	
Uran Unit 5	108	16/09/2014	05.37		Continued.	Gas Skid Trip.	
Uran Unit 6	108	16/09/2014	05.37		Continued.	Gas Skid Trip.	
Uran Unit 7	108	16/09/2014	05.37		Continued.	Gas Skid Trip.	
Uran Unit A0	120	16/09/2014	05.37		Continued.	Gas Skid Trip.	
Uran Unit B0	120	16/09/2014	05.37		Continued.	Gas Skid Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Sep/2014

Position as on 6.30 Hrs of 16/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Akola - Thaptitanda	06/09/2014	22.28	15/09/2014	11.14	over voltage
Kolhapur - Mapusa - II	13/09/2014	16.58	15/09/2014	09.09	Over voltage
Kolhapur-Solapur(PGCIL)-I	14/09/2014	22.45	15/09/2014	09.10	over voltage
Kolhapur - Mapusa - I	15/09/2014	16.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	15/09/2014	22.10	16/09/2014	06.41	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	10/09/2014	08.15	15/09/2014	08.17	Commissioning Work of Repaired B Phase.
Chandrapur-II - Warora - I	12/09/2014	13.10	15/09/2014	16.26	Measurement of IR values of R-Ph L.A.
Lonikand-Karad	13/09/2014	09.21	15/09/2014	09.26	Q.M.Work
400/220KV 500 MVA ICT III at Parli II	15/09/2014	09.41	15/09/2014	18.09	Retrofitting of NDR For ICT-III.
Khadka - Deepnagar - II	15/09/2014	09.53	15/09/2014	19.16	Tan delta & Q.M.Work.
400/220 KV 315MVA ICT-II @ Karad	15/09/2014	15.49	15/09/2014	16.48	Red hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Colourchem	12/09/2014	06.01		Continued.	Hot Spot
220/100 KV,200MVA ICT-I at Miraj	12/09/2014	11.10		Continued.	Erection Testing And Commissioning of CR Panel
Hinjewadi - I - Infosys	13/09/2014	08.57		Continued.	Replacement of Damage Bracing
Pirangut - Hinjewadi - II	13/09/2014	09.15		Continued.	Replacement of Damage Bracing
Pedambe-Pophali I	15/09/2014	08.30	15/09/2014	16.55	Repl.of T.B.isalator damage post insulator.
220/132 KV 200 MVA ICT - II @ Akola	15/09/2014	09.22	15/09/2014	20.35	Reterofitting of Diff.relay.
Main Bus - I at Kolhapur.	15/09/2014	10.00	15/09/2014	13.10	Testing of Main Bus I isolator.
Tilwani - Talandge - II	15/09/2014	10.10	15/09/2014	13.14	Tan delta & Q.M.Work.
Talangde-Five star MIDC	15/09/2014	10.50	15/09/2014	14.25	Tan delta & Q.M.Work.
Chikhali - Jalna - I	15/09/2014	12.00	15/09/2014	16.27	Attending hot spot.
Chikhali - Jalna - II	15/09/2014	12.00	15/09/2014	16.27	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	04/09/2014	12.11	15/09/2014	09.38	Over Voltage
Karad-Kolhapur-II	14/09/2014	16.19	15/09/2014	09.13	over voltage
Karad-Jaigad I	14/09/2014	18.02	15/09/2014	09.33	Over voltage
Karad - Kolhapur - I	15/09/2014	16.41		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/09/2014	17.10		Continued.	Over Voltage.
Karad-Jaigad I	15/09/2014	20.00		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Tapitatanda	08/09/2014	01.57	15/09/2014	11.37	Over Voltage.
Dabhol-Nagothane	10/09/2014	11.26		Continued.	Distance Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Sep/2014

Position as on 6.30 Hrs of 16/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
220/22 KV T/F-I @ Wada	13/09/2014	06.57		Continued.	Distance work
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhli - Deulgaon-Mahee	15/09/2014	15.25	15/09/2014	15.34	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	0
	620	150
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	450
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	191
Unit 7	250	195
	1130	546
Chandrapur		
Unit 1	210	0
Unit 2	210	125
Unit 3	210	130
Unit 4	210	140
Unit 5	500	225
Unit 6	500	300
Unit 7	500	330
	2340	1250
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	162
Unit 4	210	162
Unit 5	210	172
	630	496
Uran		
All Units	852	300
	852	300
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	6
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	271
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	1200	1098
WARDHA	405	97
Adani	2640	1234
Other CPPs	300	625
	4545	3054
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6806
	3455	6806

	21940	17610
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