



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Dec/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.524	1325.750	1) Gujrat	6.816	26.542
2) Hydro	15.341	125.076	2) Madhya Pradesh	18.180	131.838
3) Gas	7.501	85.208	3) Chattisgarh	7.360	69.450
Total MSGENCO	136.366	1536.034	4) Maharashtra Net	106.387	1035.526
B) 1) JSW JAIGAD	25.232	249.671	(Incl. 765kV Solapur-Raichur)	-12.527	-48.915
2) WPCL	2.663	29.155	5) Goa	-6.697	-67.953
3) ADANI	43.340	562.710	6) TAPS 1&2 Injection	4.942	41.198
4) Other CPP / IPP	23.094	256.168	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.989	66.989	8) Pench (Excess)	-0.112	-1.145
6) PENCH (MS)	0.112	1.145			
7) SOLAR	0.632	10.903	# Total Cent. Sector	136.876	1235.456
C) 1) TPCL Thermal	18.690	205.042	F) Other Exchanges		
2) TPCL Hydro	4.372	41.845	1) With TPCL (Excess)	-26.505	-237.712
TOTAL TPCL	23.062	246.887	G) Bilateral Power *		
3) REL Thermal	5.793	107.017	1) MSEDCL Bilateral	38.252	293.983
D) STATE			Include PX	8.321	15.872
1) Thermal (A1+C1+C3)	138.007	1637.809	2) MUMBAI Bilateral	23.712	217.638
2) Hydro (A2+B6+C2)	19.825	168.066	Include PX	5.880	20.381
3) Gas (A3)	7.501	85.208	3) MUMBAI Schedule	23.853	222.403
4) Wind (B5)	5.989	66.989	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	94.329	1097.704	1) MSEDCL	347.799	3710.519
6) SOLAR (B7)	0.632	10.903	2) TPCL	33.642	358.781
TOTAL STATE	266.283	3066.679	3) REL	21.718	232.106
			TOTAL STATE	403.159	4301.406

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4900	5062	4297
MSGENCO Hydro	1952	1111	176
MSGENCO Gas	308	305	318
MSGENCO Total Generation	7160	6478	4791
Central Sector Receipt	6131	6549	4463
WIND	136	114	436
CPP / IPP	4060	4086	3674
SOLAR	100	22	0
Exchange with Mumbai	-1343	-1262	-724
MSEDCL DEMAND MET	16244	15987	12640
Load Shedding	64	66	54
MSEDCL DEMAND	16308	16053	12694
TPCL GENERATION	1260	1233	632
R-INFRA GENERATION	257	260	195
TPCL+R-INFRA DEMAND	2860	2755	1551
STATE DEMAND MET	19104	18742	14191
STATE DEMAND	19168	18808	14245
Frequency (Hz)	50.01	49.99	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 21:15 Hrs	49.69 Hz at 09:26 Hrs	50.01	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 11/Dec/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	3.88	37.27	175	140	160
Unit 7	4.12	43.21	180	160	170
Total	8.00	80.48			330
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.02	24.23	175	0	120
Unit 4	7.15	96.34	510	0	0
Unit 5	8.95	96.08	455	290	400
Total	19.12	216.66			520
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.62	38.71	155	146	151
Unit 6	5.30	55.17	250	201	190
Unit 7	5.32	55.02	250	203	200
Total	14.25	148.89			541
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.20	36.28	143	112	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.34	47.64	196	154	200
Unit 5	8.84	97.02	425	325	350
Unit 6	8.42	93.55	380	320	350
Unit 7	9.02	96.45	419	338	350
Total	33.82	370.94			1400
Paras					
Unit 3	4.67	54.92	219	177	220
Unit 4	4.65	53.72	210	176	220
Total	9.32	108.64			440
Khaparkheda					
Unit 1	3.94	42.94	195	140	180
Unit 2	3.79	41.55	185	125	180
Unit 3	4.57	46.29	213	152	200
Unit 4	4.39	46.74	205	140	190
Unit 5	3.63	99.94	211	0	460
Total	20.32	277.45			1210
Nasik					
Unit 3	4.40	47.62	205	165	190
Unit 4	0.00	28.55	0	0	0
Unit 5	4.30	46.53	195	165	190
Total	8.70	122.70			380
Uran					
All Units	7.50	85.21	327	296	310
Total	7.50	85.21			310
PENCH (MS)					
Pench (MS)	0.11	1.14	51	0	0
Total	0.11	1.14			0
Koyna					
Stage 1-2	3.77	34.00	490	40	600
Stage 4	3.89	25.84	760	0	250
Stage 3	1.65	12.77	238	0	240
Kovna 12&4 Total	7.66	59.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.31	72.60			1090
Hydro					
KDPH	0.74	5.27	40	20	19
VTRNA	1.10	11.40	61	0	61
TILLARI	0.37	3.83	63	0	60
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.38	2.19	80	0	80
RNGR+BHTSA	0.39	2.33	17	16	16
BHANDARDRA	0.38	3.16	26	14	10
ELDARY	0.31	1.90	14	7	0
SMLHY PTN	1.14	11.36	55	44	15
GHATGHAR	1.21	10.53	250	0	0
Total	6.03	52.47			261
Wind					
MalharPeth	0.09	2.08			
Vankuswadi	0.11	4.33			
ATIT	0.01	0.47			
Kale	0.04	1.42			
Satara	2.23	29.44			
Shirala	0.06	2.18			
K Mahankal	0.03	7.12			
Supa	0.11	0.72			
Vita	0.91	6.33			
Dondaicha	1.30	5.94			
Sakri	0.07	0.57			
Nandurbar	0.40	2.42			
Khandke	0.50	2.16			
Khaparale	0.12	1.81			
Total	5.99	66.99			
CPP					
JSW JAIGAD	25.23	249.67	1250	792	1144
WARDHA	2.66	29.16	117	103	115
Adani	43.34	562.71	1840	1680	1851
Other CPPs	23.09	256.17			627
Total	94.33	1097.70			3737
SOLAR					
Total	0.63	10.90			
Total	0.63	10.90			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.36	111.33	495	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.59	24.33	101	0	120
Trombay 7B	1.10	15.56	62	0	60
Trombay 8	5.63	53.82	254	197	250
TATA Hydro	4.37	41.84	459	0	447
Total	23.06	246.89			1377
REL					
1&2	5.79	107.02	263	194	250
Total	5.79	107.02			250
Cent Sect					
Share					6605
Total					6605
MS PG CL	Thermal	113.52	1325.75		4821
	Thml+Gas	121.02	1410.96		5131
	Hydro	15.34	125.08		1351
	Total	136.37	1536.03		6482
State Total	266.28	3066.68			18451

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Dec/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	4241	228	327	4796	250	3693	0	5104	4726	-824	-1012	12453	85	12538	1855	14393	50.03
2	4246	162	327	4735	329	3699	0	4852	5050	-707	-834	12979	54	13033	1663	14696	50.04
3	4213	161	326	4700	432	3669	0	4981	4909	-655	-754	12956	54	13010	1582	14592	50.08
4	4297	176	318	4791	436	3674	0	4817	4463	-608	-724	12640	54	12694	1551	14245	50.08
5	4422	149	318	4889	520	3735	0	4812	4839	-614	-674	13309	55	13364	1524	14888	50.03
6	4473	149	319	4941	538	3762	0	5178	5438	-654	-567	14112	72	14184	1592	15776	50.02
7	4540	449	320	5309	461	4060	0	5352	5719	-724	-675	14874	83	14957	1824	16781	49.92
8	4725	1190	320	6235	460	4160	4	5686	5910	-776	-821	15969	83	16052	1982	18034	49.92
9	4745	891	319	5955	268	4174	23	6240	6550	-898	-937	16084	76	16160	2234	18394	49.93
10	4727	1198	314	6239	198	4140	56	6078	6133	-1047	-1058	15748	65	15813	2544	18357	49.88
11	4738	1909	307	6954	167	4103	74	5876	6212	-1107	-1206	16304	61	16365	2796	19161	50.01
12	4900	1952	308	7160	136	4060	100	5858	6131	-1169	-1343	16244	64	16308	2860	19168	50.01
13	5293	1261	300	6854	124	4054	127	6230	6337	-1328	-1350	16146	126	16272	2827	19099	49.87
14	5341	417	296	6054	111	4095	96	6449	6653	-1222	-1242	15767	71	15838	2696	18534	49.99
15	5313	573	298	6184	69	4060	75	6308	6634	-1223	-1253	15769	65	15834	2734	18568	49.91
16	5129	1061	308	6498	51	4068	52	5980	6515	-1226	-1243	15941	63	16004	2751	18755	49.94
17	5062	1111	305	6478	114	4086	22	5951	6549	-1211	-1262	15987	66	16053	2755	18808	49.99
18	5029	348	307	5684	141	4174	3	5647	6082	-1212	-1312	14772	75	14847	2763	17610	50.03
19	4904	388	305	5597	142	4181	0	5650	5821	-1278	-1389	14352	75	14427	2802	17229	50.06
20	4864	419	307	5590	214	4009	0	5309	5050	-1188	-1273	13590	75	13665	2740	16405	50.00
21	4747	381	308	5436	149	3811	0	5265	5138	-1101	-1305	13229	69	13298	2588	15886	50.08
22	4594	303	314	5211	268	3729	0	5249	5429	-1077	-1443	13194	65	13259	2383	15642	50.21
23	4519	230	315	5064	232	3518	0	5009	5201	-1033	-1467	12548	65	12613	2239	14852	50.02
24	4462	235	315	5012	179	3615	0	4836	5387	-970	-1361	12832	65	12897	2075	14972	50.10
MUs	113.52	15.34	7.50	136.37	5.99	94.33	0.63	132.72	136.88	-23.85	-26.50	347.80	1.69	349.48	55.36	404.84	50.01

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 11/Dec/2014

Position as on 6.30 Hrs of 12/Dec/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
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.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	
Nasik Unit 4	210	07/12/2014	22.00		Continued.	ID fan problem	
REL 2	250	08/12/2014	05.21		Continued.	over speed protection	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Uran Unit 5	108	09/12/2014	01.50		Continued.	Gas shortage	
Bhusawal Unit 3	210	09/12/2014	11.19	11/12/2014	03.02	Condensor tube Leakage.	
Bhusawal Unit 4	500	10/12/2014	12.02	11/12/2014	06.47	Air Heater Problem.	
Khaparkheda Unit 5	500	11/12/2014	18.05		Continued.	Bunkering Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 11/Dec/2014

Position as on 6.30 Hrs of 12/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2014

Position as on 6.30 Hrs of 12/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
765 KV Aurangabad PG - Wardha PG - II	06/12/2014	09.47		Continued.	Erection of BPI for spare reactor
Padgha - Talegaon (PG)	11/12/2014	12.14	11/12/2014	20.15	Q.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Kalmeshwar - Pandurna	11/12/2014	09.45	11/12/2014	19.40	Overhead crossing of 765KV Kor-Akola II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	10/12/2014	19.29	11/12/2014	08.42	Over Voltage.
Kolhapur - Mapusa - II	10/12/2014	20.40	11/12/2014	09.08	Over Voltage.
Dhule-Sar'Sarovar - I	11/12/2014	19.47		Continued.	Over Voltage.
Kolhapur - Mapusa - I	11/12/2014	20.08		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23	11/12/2014	11.45	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
Bblswr - Padgha - II	09/12/2014	16.57		Continued.	Taken on T.B.C
New Koyna - Koyna Stage IV - II	10/12/2014	16.49	11/12/2014	09.37	Relay retrofitting work.
400/220KV,315 MVA ICT-I At Lonikand.	11/12/2014	09.02	11/12/2014	17.36	H.Y.Maint & DCRM Measurement.
Tie CB 405 ICT at Jejuri	11/12/2014	09.37	11/12/2014	16.35	Testing work.
Talegaon PG - Aurangabad - II	11/12/2014	09.45	11/12/2014	11.18	Attending hot spot.
400/11.5 KV 90 MVA Station T/F -III @ Chandrapur	11/12/2014	11.59	11/12/2014	20.23	Oil leakage attending work.
TBC at 400KV Aurangabad	11/12/2014	14.04	11/12/2014	17.00	P.M.Work of CT and CC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Kurkumb-Bhigwan	11/12/2014	07.00	11/12/2014	17.35	Tower Construction.
Dahanu - Ghodbandar - I	11/12/2014	09.19	11/12/2014	16.26	A.M.Work
Khapakheda - Koulawada - II	11/12/2014	10.14	11/12/2014	19.23	Repl of old 80 SQ mm all aluminium E/W by 7/3.15 SQ mm E/W.
Dhamangaon-RLY TSS Ckt II	11/12/2014	11.00	11/12/2014	17.40	Retrofitting of dist relay.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2014

Position as on 6.30 Hrs of 12/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Hinganghat-Bhugaon	11/12/2014	11.29	11/12/2014	18.27	Earthing rod attachment and alignment of line isolator by agency.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	09/12/2014	19.43	11/12/2014	07.25	Over Voltage.
Bhusawal- Aurangabad	10/12/2014	17.36	11/12/2014	11.48	Over Voltage.
Karad - Kolhapur - II	10/12/2014	19.34	11/12/2014	07.16	over Voltage.
Lonikand- Koyna Stage IV	10/12/2014	21.56	11/12/2014	06.12	Over Voltage.
Karad - Kolhapur - I	11/12/2014	16.35		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/12/2014	17.16		Continued.	Over Voltage.
Karad-Jaigad I	11/12/2014	20.29		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	11/12/2014	21.24	12/12/2014	06.37	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Kandalgaon - Dasturi	11/12/2014	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	165
	620	330
Bhusawal		
Unit 2	210	0
Unit 3	210	155
Unit 4	500	340
Unit 5	500	350
	1420	845
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	162
Unit 6	250	210
Unit 7	250	210
	1130	582
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	190
Unit 5	500	0
	1340	750
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	330
	852	330
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
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	15
BHANDARDRA	45	15
ELDARY	23	
SMLHY PTN	12	25
GHATGHAR	250	
	611	295
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	1030
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	627
	4545	3623
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	6829
	3455	6829

	21940	18441
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