



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jan/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.438	1768.731	1) Madhya Pradesh	41.719	577.206
2) Hydro	13.310	224.948	2) Gujrat	32.107	333.780
3) Gas	13.372	184.677	3) Goa	-6.276	-84.810
Total MSGENCO	150.120	2178.356	4) TAPS 1&2 (Inj.)	7.911	110.224
B) OTHERS			5) Pench (Excess)	-0.404	-6.828
1) RGPPL Gas	34.256	463.949	# Total Cent. Sector	75.057	929.572
2) Wind Generation	1.576	43.744	F) Other Exchanges		
3) CPP / IPP	22.670	317.536	1) With TPCL (Excess)	-5.318	-59.661
4) PENCH (MS)	0.404	6.828	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	22.848	223.779
1) TPCL Thermal	20.600	302.638	Include PX	0.000	0.000
2) TPCL Hydro	5.261	53.890	2) MUMBAI Bilateral	4.269	60.303
TOTAL TPCL	25.861	356.528	Include PX	-1.425	-11.986
3) REL Thermal	12.676	176.000	3) MUMBAI Schedule	4.269	62.288
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	156.714	2247.369	1) MSEDCL	278.765	3880.324
2) Hydro (A2+B3+C2)	18.975	285.666	2) TPCL	29.225	396.752
3) Gas (A3+B1)	47.628	648.626	3) REL	14.629	195.414
4) Wind (B2)	1.576	43.744	TOTAL STATE	322.619	4472.490
5) CPP (B3)	22.670	317.536			
TOTAL STATE	247.563	3542.941			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4956	4996	5275
MSGENCO Hydro	901	985	136
MSGENCO Gas	549	545	577
MSGENCO Total Generation	6406	6526	5988
Central Sector Receipt	3721	3545	1767
RGPPL	1419	1450	1402
WIND	30	121	33
CPP / IPP	952	942	871
Exchange with Mumbai	-428	-416	-59
MSEDCL DEMAND MET	12143	12180	10002
Load Shedding	2492	3538	0
MSEDCL DEMAND (INCL. LS)	14635	15718	10002
TPCL GENERATION	1367	1306	624
REL GENERATION	529	527	529
TPCL+REL DEMAND	2324	2249	1212
STATE DEMAND MET	14467	14429	11214
STATE DEMAND (INCL. LS)	16959	17967	11214
Frequency (Hz)	49.73	49.82	49.95
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3959 MW at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			43.89 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 23:52 Hrs	49.27 Hz at 07:38 Hrs	49.84	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 14/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	11.85	0	0	0
Unit 2	0.00	8.44	0	0	0
Unit 3	0.00	12.29	0	0	0
Unit 4	0.00	9.33	0	0	0
Unit 5	3.97	39.91	175	162	150
Unit 6	0.00	0.00	0	0	0
Unit 7	4.42	46.08	200	140	190
	8.39	127.89			340
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.11	47.90	195	125	180
Unit 3	4.51	63.80	200	165	200
	8.62	111.70			380
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.34	56.22	189	162	180
Unit 4	4.43	60.01	195	169	180
Unit 5	4.89	63.31	211	183	210
Unit 6	5.61	71.74	251	179	230
Unit 7	1.50	63.28	147	0	125
	20.77	314.56			925
Chandrapur					
Unit 1	3.76	51.58	160	150	150
Unit 2	0.00	39.17	0	0	0
Unit 3	4.55	61.46	206	150	200
Unit 4	4.52	58.00	198	176	200
Unit 5	11.40	145.22	490	455	475
Unit 6	11.08	142.22	485	435	475
Unit 7	10.21	142.13	470	371	480
	45.51	639.78			1980
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.78	64.44	127	104	86
Unit 4	5.45	68.62	237	203	207
	8.23	133.05			293
Khaparkheda					
Unit 1	4.94	67.94	215	195	191
Unit 2	4.68	65.98	208	184	191
Unit 3	5.07	68.57	216	200	192
Unit 4	0.00	12.53	0	0	0
	14.70	215.03			574
Nasik					
Unit 1	2.04	28.90	90	80	81
Unit 2	2.05	23.12	94	71	81
Unit 3	4.40	54.96	205	140	192
Unit 4	4.43	58.64	205	158	192
Unit 5	4.30	61.11	190	161	192
	17.22	226.73			738
Koyna					
Stage 1-2	3.66	49.38	465	35	600
Stage 4	3.39	78.39	540	0	250
Stage 3	1.45	27.49	160	0	240
	8.50	155.26			1090
Kovna 12&4 Total	7.04	127.77			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		13.37	184.68	579	525	530
		13.37	184.68			530
Hydro						
KDPH		0.47	2.95	20	19	18
VTRNA		0.00	13.82	0	0	0
TILLARI		0.32	5.19	60	0	60
BHTGR/VEER		0.52	5.74	22	21	22
BHIRA T.R.		0.34	2.81	81	0	80
RNGR+BHTSA		0.33	5.00	14	13	15
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.52	1.33	23	16	0
SMLHY PTN		0.55	11.45	31	19	11
GHATGHAR		1.77	21.40	250	0	0
		4.81	69.69			206
PENCH (MS)						
Pench (MS)		0.40	6.83	53	0	0
		0.40	6.83			0
Wind						
MalharPeth		0.03	1.66			
Vankuswadi		0.12	4.62			
ATIT		0.01	0.75			
Kale		0.04	1.54			
Satara		0.11	3.00			
Shirala		0.02	1.81			
K Mahankal		0.01	2.45			
Supa		0.03	1.16			
Vita		0.25	7.99			
Dondaicha		0.58	9.79			
Sakri		0.16	1.62			
Nandurbar		0.04	0.86			
Khandke		0.08	3.98			
Khaparale		0.08	2.51			
		1.58	43.74			
CPP						
TOTAL CPP		22.67	317.54			
		22.67	317.54			
Dabhol						
RGPPL		34.26	463.95	1450	1399	1450
		34.26	463.95			1450
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.52	139.93	490	275	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		3.01	41.76	128	122	120
Trombay 7B		1.64	22.92	69	68	60
Trombay 8		5.43	75.30	252	154	250
TATA Hydro		5.26	53.89	441	0	447
		25.86	356.53			1377
REL						
1&2		12.68	176.00	530	527	500
		12.68	176.00			500
Cent Sect						
Share						3501
						3501
MS PG CL	Thermal	123.44	1768.73			5230
	Thml+Gas	136.81	1953.41			5760
	Hydro	13.31	224.95			1296
	Total	150.12	2178.36			7056
State Total		247.56	3542.94			13884

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jan/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5286	135	576	5997	1400	49	868	3084	1817	-85	-119	10012	0	10012	1313	11325	49.86
2	5275	136	577	5988	1402	33	871	3026	1767	-37	-59	10002	0	10002	1212	11214	49.95
3	5240	135	579	5954	1403	35	872	2978	1961	12	-9	10216	0	10216	1163	11379	49.98
4	5246	142	577	5965	1403	50	876	2979	2248	12	7	10549	0	10549	1147	11696	50.02
5	5279	147	578	6004	1399	44	875	2979	2586	12	15	10923	0	10923	1165	12088	49.87
6	5226	151	579	5956	1401	46	932	2953	3043	12	-10	11368	820	12188	1285	13473	49.82
7	5310	413	575	6298	1399	39	1065	3095	2744	-13	-45	11507	1694	13201	1434	14635	49.60
8	5334	1080	574	6988	1405	47	1070	3165	2920	-85	-109	12348	1787	14135	1637	15772	49.63
9	5285	1184	578	7047	1415	60	1069	3278	3280	-208	-209	12689	1830	14519	1844	16363	49.74
10	5252	1183	561	6996	1416	48	976	3375	3525	-232	-246	12715	1876	14591	2084	16675	49.71
11	5169	960	549	6678	1418	33	963	3448	3440	-318	-387	12170	2451	14621	2281	16902	49.74
12	4956	901	549	6406	1419	30	952	3516	3721	-369	-428	12143	2492	14635	2324	16959	49.73
13	5035	1123	538	6696	1430	34	977	3611	3618	-339	-421	12387	2667	15054	2284	17338	49.65
14	5102	623	525	6250	1450	49	973	3639	3942	-260	-339	12325	2631	14956	2160	17116	50.05
15	5062	615	525	6202	1446	68	968	3639	3747	-260	-337	12094	2629	14723	2191	16914	49.90
16	5065	636	531	6232	1450	109	983	3538	3713	-260	-333	12154	2669	14823	2171	16994	49.92
17	4963	707	533	6203	1450	96	980	3539	3673	-260	-341	12061	2552	14613	2162	16775	49.89
18	5033	953	537	6523	1450	111	963	3568	3798	-288	-367	12478	2572	15050	2147	17197	49.87
19	4996	985	545	6526	1450	121	942	3402	3545	-360	-416	12180	3538	15718	2249	17967	49.82
20	5078	452	550	6080	1450	79	938	3492	3435	-323	-386	11649	4016	15665	2271	17936	49.74
21	5128	218	555	5901	1450	143	914	3342	3223	-165	-283	11400	3990	15390	2134	17524	49.86
22	5059	147	558	5764	1450	78	910	3272	3274	-90	-163	11364	995	12359	1937	14296	49.91
23	5037	152	559	5748	1450	105	884	3355	3293	-268	-254	11277	469	11746	1736	13482	49.83
24	5022	132	564	5718	1450	69	849	3058	2744	-96	-79	10754	0	10754	1506	12260	50.17
MUs	123.44	13.31	13.37	150.12	34.26	1.58	22.67	79.33	75.06	-4.27	-5.32	278.76	41.68	320.44	43.84	364.28	49.84

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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Jan/2011

Position as on 6.30 Hrs of 15/Jan/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	27/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Tata Trombay 6	500	07/01/2011	00.04		Continued.	Capital overhaul.	31/01/2011
Uran Unit A0	120	07/01/2011	05.57		Continued.	Main T/F oil leakage attending work.	16/01/2011
Koyna Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
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.	
Chandrapur Unit 2	210	12/01/2011	22.40		Continued.	ESP Problem.	15/01/2011
Parli Unit 7	250	14/01/2011	11.21		Continued.	M.S.Temp.Low	15/01/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2011

Position as on 6.30 Hrs of 15/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	05/01/2011	21.25	14/01/2011	09.02	Over Voltage.
Kolhapur - Mapusa - I	09/01/2011	23.34		Continued.	Over Voltage.
Akola - Wardha - II	14/01/2011	20.27		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	15/01/2011	00.05		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - S'Sarovar- II	13/01/2011	18.05		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	04/01/2011	19.38		Continued.	H.V.Side BKR Repl.Work,Kept on TBC.
Kalwa - Padgha - I	14/01/2011	08.21	14/01/2011	18.03	Replacement of Rusted E/W
400/220KV,500MVA ICT-III At Kalwa.	14/01/2011	09.03	14/01/2011	21.16	RTCC panel and Isolator alignment work
Babaleshwar - Bhusawal	14/01/2011	09.07	14/01/2011	16.56	Stringing work of 400KV D/C Deepnagar-Aurangabad line
STG IV-N.Koyna -I	14/01/2011	09.38	14/01/2011	20.10	Relay Retrofitting work
400/220KV,315MVA ICT-I at Karad	14/01/2011	14.13	14/01/2011	16.30	Red Hot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	27/11/2010	15.17	14/01/2011	19.26	Stringing Work of Mumbai System.
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)Up to 09.05.2011.
220/132 KV 150MVA ICT-II @ Dhule	21/12/2010	13.34	14/01/2011	14.55	Kept on humming on 12.01.2011 at 14.00 Hrs.
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Replacement of 100 MVA By 200 MVA ICT(Upto 23.01.2011).
Dhule - Dhule - I	06/01/2011	10.05		Continued.	Line Isolator Replacement Work.
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
220/132 KV 100 MVA ICT @ Parli	11/01/2011	11.48	14/01/2011	16.18	Upgradation of Isolators of Main Bus I&II under L.E.S.
Parly - New Parly TPS - I	13/01/2011	11.47		Continued.	Line isolator replacement work.
Bhugaon - IIPL	14/01/2011	09.40	14/01/2011	13.50	R.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	14/01/2011	09.45	14/01/2011	12.30	Red Hot
Kalwa-Padgha I	14/01/2011	10.28		Continued.	Commissioning of new C/P and R/P
Padgha-Wada	14/01/2011	11.24	14/01/2011	18.28	Testing work
Raymond-Washala	14/01/2011	11.40	14/01/2011	18.50	Red Hot Work
220/6.6KV 40MVA Stn.T/F -IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
Nasik - Ghatghar	14/01/2011	14.27	14/01/2011	14.47	Scada Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/11.5KV 90 MVA STN T/F- V @ 400 KV Chandrapur	12/12/2010	08.00		Continued.	To Attend Oil Leakage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2011

Position as on 6.30 Hrs of 15/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	13/01/2011	21.53	14/01/2011	04.36	Over Voltage.
Bhusawal- Aurangabad	14/01/2011	19.10	15/01/2011	04.53	Over Voltage
Karad - Kolhapur - II	14/01/2011	23.07		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lote - Dasturi	07/01/2011	21.01		Continued.	B phase Crossarm Bend at Loc.No.97
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Chandrapur-Warora - I	13/01/2011	08.25		Continued.	To control Warora-Hinganghat line load
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Dhule-Dondaicha - I	09/01/2011	11.35		Continued.	Outage on 150 MVA ICT @ Dhule.
Dhule - Dondaicha - II	09/01/2011	11.45		Continued.	Outage on 150 MVA ICT @ Dhule.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	13/01/2011	22.54	14/01/2011	04.45	Over Voltage
Karad - Kolhapur - I	14/01/2011	00.34	14/01/2011	08.03	Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	ICT on TBC for Main Breaker Replacement.
220/33 KV 100 MVA ICT IV at Jamde	09/01/2011	12.42		Continued.	Tripped.Declared Fail.
Talangade-Ichalkaranji I	13/01/2011	22.54	14/01/2011	11.45	Distance protection from Tanangade.
Talandgade-Ichalkaranj -II	13/01/2011	22.54	14/01/2011	00.25	Distance protection from Tanangade
Main Bus-II At Ichalkaranji	13/01/2011	22.54	14/01/2011	11.19	B Ph.isolator insulator damage.
Main Bus-I At Ichalkaranji.	13/01/2011	22.54	14/01/2011	04.25	Bus Fault
220/110KV,200MVA T/F At Ichalkarani.	13/01/2011	22.54	14/01/2011	15.15	Bus Fault
220/33KV,50MVA T/F-II At Ichalkaranji	13/01/2011	22.54	14/01/2011	04.50	Bus Fault
220/33KV,50MVA T/F-I At Ichalkaranji	13/01/2011	22.54	14/01/2011	05.00	Bus Fault.
Miraj -Ichalkarajni	13/01/2011	22.54	14/01/2011	04.25	Backu[protection.Tripped from Miraj end.
Talandgade-Ichalkaranj -II	14/01/2011	00.34	14/01/2011	05.47	Trip while charging from Ichalkaranji M.B.-II 'B' ph.isolator burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Malegaon-Washim	14/01/2011	09.22		Continued.	Distance Protection
Paras - Akot	14/01/2011	09.30	14/01/2011	09.48	Distance Protection
Voltage Level : 110KV			Outage Type TRIPPED		
Ichalkaranji-Ichalkaranji	13/01/2011	22.54	14/01/2011	15.20	Bus Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	160
Unit 6	210	0
Unit 7	210	170
	1040	330
Bhusawal		
Unit 1	58	
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	185
Unit 4	210	190
Unit 5	210	210
Unit 6	250	240
Unit 7	250	0
	1190	825
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	200
Unit 4	210	175
Unit 5	500	475
Unit 6	500	480
Unit 7	500	480
	2340	1970
Paras		
Unit 2	55	
Unit 3	250	100
Unit 4	250	230
	555	330
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	192
Unit 4	210	192
Unit 5	210	192
	870	738
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	530

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	530
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	21
GHATGHAR	250	0
	611	205
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	750
	0	750
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3265
	3143	3265

	17376	7 of 7	14440
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