



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jul/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.961	784.171	1) Madhya Pradesh	53.363	582.916
2) Hydro	5.810	59.393	2) Gujrat	27.151	185.640
3) Gas	15.793	155.464	3) Goa	-5.919	-56.722
Total MSGENCO	100.564	999.028	4) TAPS 1&2 (Inj.)	7.835	73.836
B) OTHERS			5) Pench (Excess)	-0.024	-0.168
1) RGPPL Gas	32.128	283.136	# Total Cent. Sector	82.406	785.502
2) Wind Generation	13.110	121.123	F) Other Exchanges		
3) CPP	5.503	49.121	1) With TPCL (Excess)	-9.243	-82.171
4) PENCH (MS)	0.024	0.168	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.259	-24.256
1) TPCL Thermal	24.121	266.651	Include PX	2.398	22.806
2) TPCL Hydro	2.368	24.605	2) MUMBAI Bilateral	10.246	92.932
TOTAL TPCL	26.489	291.256	Include PX	1.070	26.430
3) REL Thermal	12.509	126.209	3) MUMBAI Schedule	10.246	92.932
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	115.591	1177.031	1) MSEDCL	224.492	2155.907
2) Hydro (A2+B3+C2)	8.202	84.166	2) TPCL	31.259	325.268
3) Gas (A3+B1)	47.921	438.600	3) REL	16.968	174.345
4) Wind (B2)	13.110	121.123	TOTAL STATE	272.719	2655.520
5) CPP (B3)	5.503	49.121			
TOTAL STATE	190.327	1870.041			

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	3355	3427	3199
MSGENCO Hydro	125	246	57
MSGENCO Gas	651	653	675
MSGENCO Total Generation	4131	4326	3931
Central Sector Receipt	3457	3745	3167
RGPPL	1329	1328	1352
WIND	296	778	416
CPP	224	206	242
Exchange with TPCL	-517	-519	-95
MSEDCL DEMAND MET	8920	9864	9013
Load Shedding	2783	2978	884
MSEDCL DEMAND (INCL. LS)	11703	12842	9897
TPCL GENERATION	1467	1286	789
REL GENERATION	524	510	525
TPCL+REL DEMAND	2508	2315	1409
STATE DEMAND MET	11428	12179	10422
STATE DEMAND (INCL. LS)	14211	15157	11306
Frequency (Hz)	49.72	49.78	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3630 MW AT 18.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			69.33 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 15.04 Hrs	49.35 Hz at 19.13 Hrs	49.88	0 % of Time

* 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 10/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	5.62	0	0	0
Unit 3	0.04	13.74	39	0	0
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.14	31.40	146	118	140
Unit 7	3.45	32.37	170	115	160
	6.63	87.42			300
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.51	32.96	160	120	170
Unit 3	3.69	38.01	165	140	170
	7.20	70.97			340
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.74	13.81	160	0	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.62	23.59	132	97	110
Unit 6	4.84	44.78	217	138	180
Unit 7	0.00	16.62	0	0	
	10.20	98.80			440
Chandrapur					
Unit 1	1.33	24.54	122	0	0
Unit 2	3.07	25.90	141	91	125
Unit 3	0.00	0.00	0	0	0
Unit 4	4.30	39.08	185	170	190
Unit 5	0.00	0.00	0	0	0
Unit 6	4.86	46.38	270	82	250
Unit 7	4.05	4.05	270	0	100
	17.62	139.94			665
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.53	39.22	172	110	160
Unit 4	3.51	35.07	183	0	
	7.04	74.28			160
Khaparkheda					
Unit 1	4.10	38.72	190	140	180
Unit 2	2.85	37.06	155	76	100
Unit 3	4.30	39.47	194	156	180
Unit 4	3.93	38.43	176	146	170
	15.18	153.68			630
Nasik					
Unit 1	2.01	17.49	89	78	90
Unit 2	1.87	15.87	86	55	90
Unit 3	3.52	42.02	180	130	150
Unit 4	3.76	41.79	179	115	170
Unit 5	3.92	41.91	184	134	170
	15.09	159.08			670
Koyna					
Stage 1-2	2.21	18.64	405	35	600
Stage 4	1.98	15.23	566	0	250
Stage 3	0.68	10.45	240	0	320
	4.87	44.32			1170
Kovna 12&4 Total	4.19	33.87			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.79	155.46	675	637	650	
	15.79	155.46			650	
Hydro						
KDPH	0.00	0.00	0	0	0	
VTRNA	0.00	0.16	0	0	60	
TILLARI	0.04	1.62	39	0	0	
BHTGR/VEER	0.01	0.06	1	0	0	
BHIRA T.R.	0.28	2.75	41	0	40	
RNGR+BHTSA	0.00	0.18	0	0	0	
BHANDARDRA	0.00	0.06	0	0	0	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.22	0.82	17	7	8	
GHATGHAR	0.40	9.43	125	0	0	
	0.94	15.07			108	
PENCH (MS)						
Pench (MS)	0.02	0.17	24	0		
	0.02	0.17				
Wind						
MalharPeth	0.40	4.50				
Vankuswadi	1.14	12.33				
ATIT	0.12	1.77				
Kale	0.32	4.46				
Satara	1.67	13.28				
Shirala	0.28	3.58				
K Mahankal	0.03	7.87				
Supa	0.21	2.14				
Vita	1.55	23.03				
Dondaicha	4.38	25.54				
Sakri	0.79	5.09				
Nandurbar	0.50	3.05				
Khadakale	0.96	9.31				
Khaparale	0.74	5.17				
	13.11	121.12				
CPP						
TOTAL CPP	5.50	49.12				
	5.50	49.12				
Dabhol						
RGPPL	32.13	283.14	1358	1315	1250	
	32.13	283.14			1250	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	10.78	101.64	490	330	475	
Trombay 6	4.80	66.38	240	150	500	
Trombay 7A	2.68	27.39	120	98	120	
Trombay 7B	1.53	15.41	67	59	60	
Trombay 8	4.34	55.84	210	152	250	
TATA Hydro	2.37	24.60	351	0	447	
	26.49	291.26			1852	
REL						
1&2	12.51	126.21	528	501	500	
	12.51	126.21			500	
Cent Sect						
Share					2968	
					2968	
MS PG CL	Thermal	78.96	784.17		3205	
	Thml+Gas	94.75	939.64		3855	
	Hydro	5.81	59.39		1278	
	Total	100.56	999.03		5133	
State Total		190.33	1870.04		11703	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Jul/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3062	86	671	3819	1350	562	247	2636	3188	-398	-336	8830	1169	9999	1721	11720	49.82
2	3082	52	672	3806	1353	512	237	2538	3111	-269	-209	8810	1306	10116	1544	11660	49.90
3	3227	47	674	3948	1355	581	247	2477	3131	-224	-161	9101	1122	10223	1485	11708	50.00
4	3199	57	675	3931	1352	416	242	2430	3167	-148	-95	9013	884	9897	1409	11306	49.94
5	3205	47	670	3922	1350	441	247	2423	3314	-148	-91	9183	992	10175	1410	11585	49.83
6	3304	107	672	4083	1353	438	249	2422	3362	-148	-93	9392	1440	10832	1459	12291	49.84
7	3333	57	674	4064	1356	339	219	2474	3001	-274	-215	8764	2033	10797	1650	12447	49.95
8	3349	48	673	4070	1357	304	211	2501	3489	-287	-235	9196	2181	11377	1679	13056	49.98
9	3276	116	662	4054	1358	402	205	2578	3427	-379	-380	9066	2380	11446	1915	13361	49.92
10	3309	107	655	4071	1348	345	214	2825	3479	-549	-559	8898	2795	11693	2205	13898	49.85
11	3391	102	650	4143	1342	361	211	3011	3332	-549	-510	8879	2902	11781	2402	14183	49.96
12	3355	125	651	4131	1329	296	224	3021	3457	-549	-517	8920	2783	11703	2508	14211	49.72
13	3322	190	661	4173	1326	356	211	3014	3709	-549	-513	9262	2482	11744	2446	14190	49.86
14	3436	152	653	4241	1321	549	204	3016	3596	-549	-510	9401	2316	11717	2340	14057	49.82
15	3425	52	649	4126	1328	512	247	3023	3771	-549	-513	9471	2450	11921	2278	14199	49.93
16	3420	47	637	4104	1332	664	225	3023	3353	-549	-515	9163	2725	11888	2279	14167	50.01
17	3337	52	640	4029	1328	768	225	2999	3482	-502	-465	9367	2472	11839	2244	14083	49.94
18	3195	48	646	3889	1326	981	223	2991	4138	-502	-468	10089	2377	12466	2236	14702	49.97
19	3259	91	645	3995	1328	865	237	2999	3631	-502	-489	9567	2492	12059	2288	14347	49.97
20	3427	246	653	4326	1328	778	206	3039	3745	-549	-519	9864	2978	12842	2315	15157	49.78
21	3420	727	652	4799	1334	646	233	3061	3517	-568	-514	10015	2600	12615	2278	14893	49.74
22	3255	1140	655	5050	1344	692	223	3048	3738	-549	-500	10547	2348	12895	2165	15060	49.81
23	3140	1228	651	5019	1315	618	260	2906	3379	-513	-452	10139	1849	11988	2027	14015	49.75
24	3233	886	652	4771	1315	684	256	2769	2889	-447	-384	9555	1797	11352	1958	13310	49.72
MUs	78.96	5.81	15.79	100.56	32.13	13.11	5.50	67.22	82.41	-10.25	-9.24	224.49	50.87	275.36	48.24	323.61	49.88

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL 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 10/Jul/2010

Position as on 6.30 Hrs of 11/Jul/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)	30/12/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	08/08/2010
Chandrapur Unit 7	500	25/04/2010	00.23	10/07/2010	01.06	Water Balancing Problem.	
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	20/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	25/07/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
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	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Tata Trombay 4	150	18/06/2010	01.40		Continued.	Low demand.	
Bhusawal Unit 1	58	18/06/2010	05:10		Continued.	For Scrapping.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	15/07/2010
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System Deficiency.	15/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	15/07/2010
Parli Unit 7	250	06/07/2010	23.03		Continued.	Generator Protection Operated.	12/07/2010
Koradi Unit 2	105	09/07/2010	07.46		Continued.	Boiler Tube Leakage.	15/07/2010
Chandrapur Unit 1	210	09/07/2010	08.20	10/07/2010	09.42	Main Steam Temp Low.	
Cent_Sect NTPC(V-3)	210	09/07/2010	12.30	10/07/2010	02.23	Drum Level Low.	
Koradi Unit 3	105	10/07/2010	01.15		Continued.	Bunkering Problem.	15/07/2010
Paras Unit 4	250	10/07/2010	16.44	10/07/2010	18.58	Flame Failure	
Parli Unit 3	210	10/07/2010	21.17	11/07/2010	05.18	Super Heater Temp.Low	
Paras Unit 4	250	11/07/2010	19.48		Continued.	Bunkering problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2010

Position as on 6.30 Hrs of 11/Jul/2010

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 - Aurangabad - I	25/06/2010	14.10		Continued.	To control Aurangabad ICT loading
Dhule-Sar'Sarovar - II	02/07/2010	22.19		Continued.	Over Voltage
Akola - Wardha - I	07/07/2010	11.00		Continued.	Changeover.
Dhule-Sar'Sarovar - I	09/07/2010	22.32	10/07/2010	09.25	H/T For O/V.
Dhule-Khandwa I	10/07/2010	10.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	10/07/2010	23.00		Continued.	Over Voltage
Kolhapur-Mapusa-II	10/07/2010	23.49		Continued.	Over Voltage
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	11/07/2010	14.40	11/07/2010	18.40	Over Voltage
Dhule-S'Sarovar I	11/07/2010	23.18		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa Ckt I	09/07/2010	10.57	10/07/2010	09.43	Trip.
Akola - Wardha - II	09/07/2010	14.59	10/07/2010	09.27	Trip On O/v.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	10/07/2010	08.21	10/07/2010	09.01	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Parli-II 50 MVAR Reactor @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of Line Reactor of Lonikand -I at Parli.
Kalwa - Lonikand	08/07/2010	18.15	10/07/2010	19.57	Retrofitting of Relay.
Koradi - Bhusawal	10/07/2010	09.54	10/07/2010	17.56	Quarterly Maintenance Work.
Bus Coupler at New Koyna	10/07/2010	15.38	10/07/2010	16.23	SF6 Gas filling
New Koyna - Dabhol - II	10/07/2010	16.28	10/07/2010	16.45	Filling of SF6 Gas (taken on TBC)
Dabhol-Nagothane - II	10/07/2010	16.46		Continued.	Charged 400KV Nagothane-Dabhol-II line Bay at N'thane end only
Karad - Kolhapur - I	11/07/2010	10.22		Continued.	Relay retrofitting work
Dabhol-New Koyna-I	11/07/2010	10.36	11/07/2010	11.02	Filling of SF6 Gas and oil in C.B.at New Koyna(ckt on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/132KV,200MVA ICT-II at Amravati	05/07/2010	10.24		Continued.	Replacement of CT's & L A'S.
Parli-Usmanabad	06/07/2010	12.22		Continued.	CKT on TBC for main BKR Repl.work.
BBLSR II- BBLSR L CKT. I	10/07/2010	09.05	10/07/2010	17.07	Line Maint.work
220/132 KV 150 MVA ICT - I @ NSK.	10/07/2010	09.45	10/07/2010	16.46	R&B phase LV CT replacement
220 KV Bus Coupler at New Koyna	10/07/2010	10.29	10/07/2010	11.24	Attending oil leakage problem
220/33 KV,100 MVA ICT-II At Versova	10/07/2010	22.00		Continued.	To attend Y phase Bushing oil leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Karad-Lonikand Line Reactor @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2010

Position as on 6.30 Hrs of 11/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
C'pur-Parli II	09/07/2010	22.01	10/07/2010	07.31	Over Voltage.
Chandrapur - Parli - II	10/07/2010	22.28	11/07/2010	09.35	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kolhapur - Karad - II	05/07/2010	19.52	11/07/2010	09.18	Due to Breaker Compressor Problem.At Karad Line on TBC.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV Bushing Burst and Caught Fire.
Chandrapur-Khaparkheda	02/07/2010	20.11		Continued.	Over Voltage
Koradi - Kaparkheda	02/07/2010	20.12		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan - Mouda	10/07/2010	10.30	10/07/2010	11.05	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	0
Unit 4	105	0
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	1040	300
Bhusawal		
Unit 1	58	0
Unit 2	210	150
Unit 3	210	160
	478	310
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	0
Unit 5	210	110
Unit 6	250	180
Unit 7	250	
	1190	290
Chandrapur		
Unit 1	210	130
Unit 2	210	120
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	250
Unit 7	500	300
	2340	990
Paras		
Unit 2	55	0
Unit 3	250	160
Unit 4	250	
	555	160
Khaparkheda		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	155
Unit 4	210	150
	840	615
Nasik		
Unit 1	120	78
Unit 2	120	81
Unit 3	210	142
Unit 4	210	177
Unit 5	210	140
	870	618
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	40
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	80
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3008
	3143	3008

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