

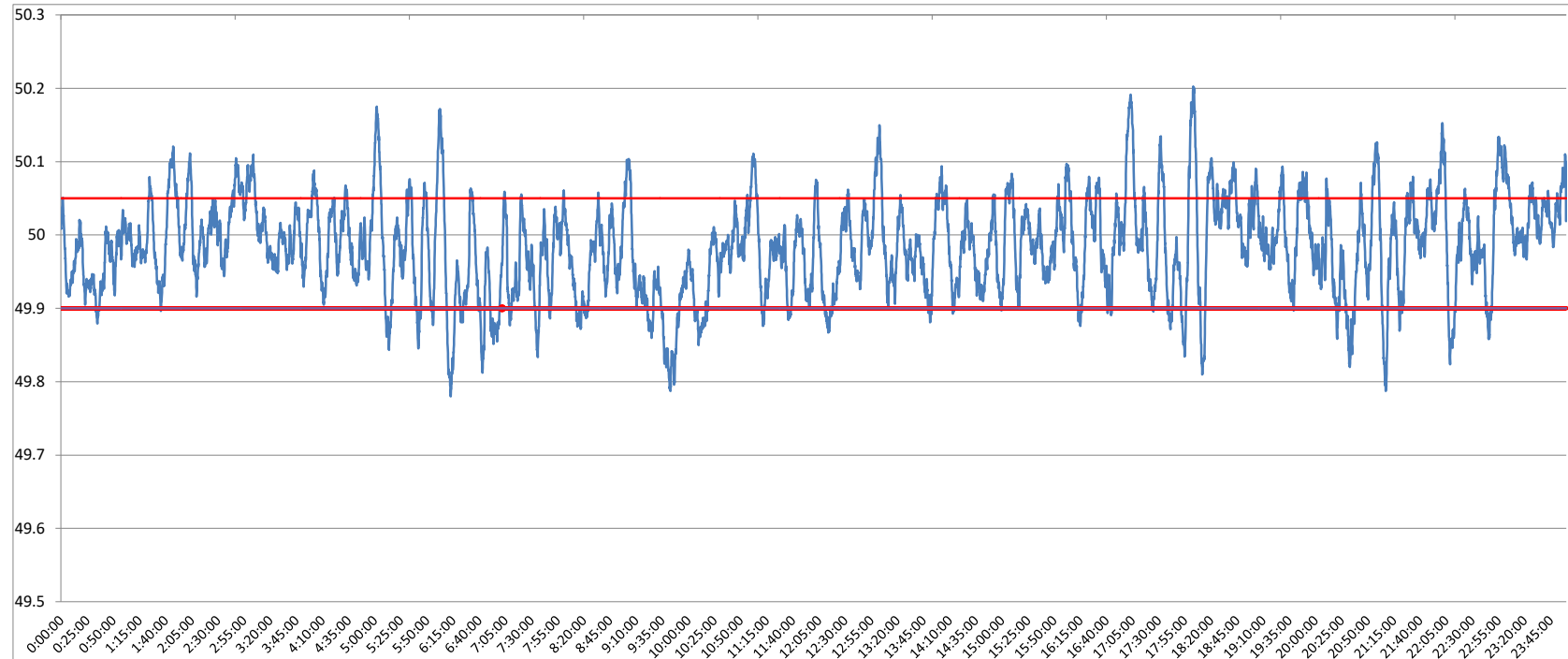


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

04-Jan-17



<49.2	<49.7	<49.90	<49.97	49.7-49.8	49.8-49.9	49.9-50.0	50.0-50.1	50.1-50.2	49.90-50.05	49.7-50.2	49.97-50.03	50.05-50.1	>50	>50.03	>50.05	>50.2
0	0.00	10.56	40.57	0.28	10.28	49.73	36.13	3.54	73.76	99.97	35.67	12.14	39.62	23.76	15.68	0.03

Average Frequency	49.98	Frequency Variation Index :	0.046	Standard Deviation :	0.066
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.2 18:03:00
Min	49.78 6:12:50

15 minute average Frequency		
Max	50.068	17:15:00
Min	49.864	9:45:00

No. of excursion above 50.03 Hz	110
No. of excursion below 49.97 Hz	145
No. of excursion above 50.00 Hz	140
No. of excursion below 50.00 Hz	140

Average time freq remains below 49.97 per excursion	0:04:02	Average time frequency remains above 50.03 per excursion	0:03:07
---	---------	--	---------