

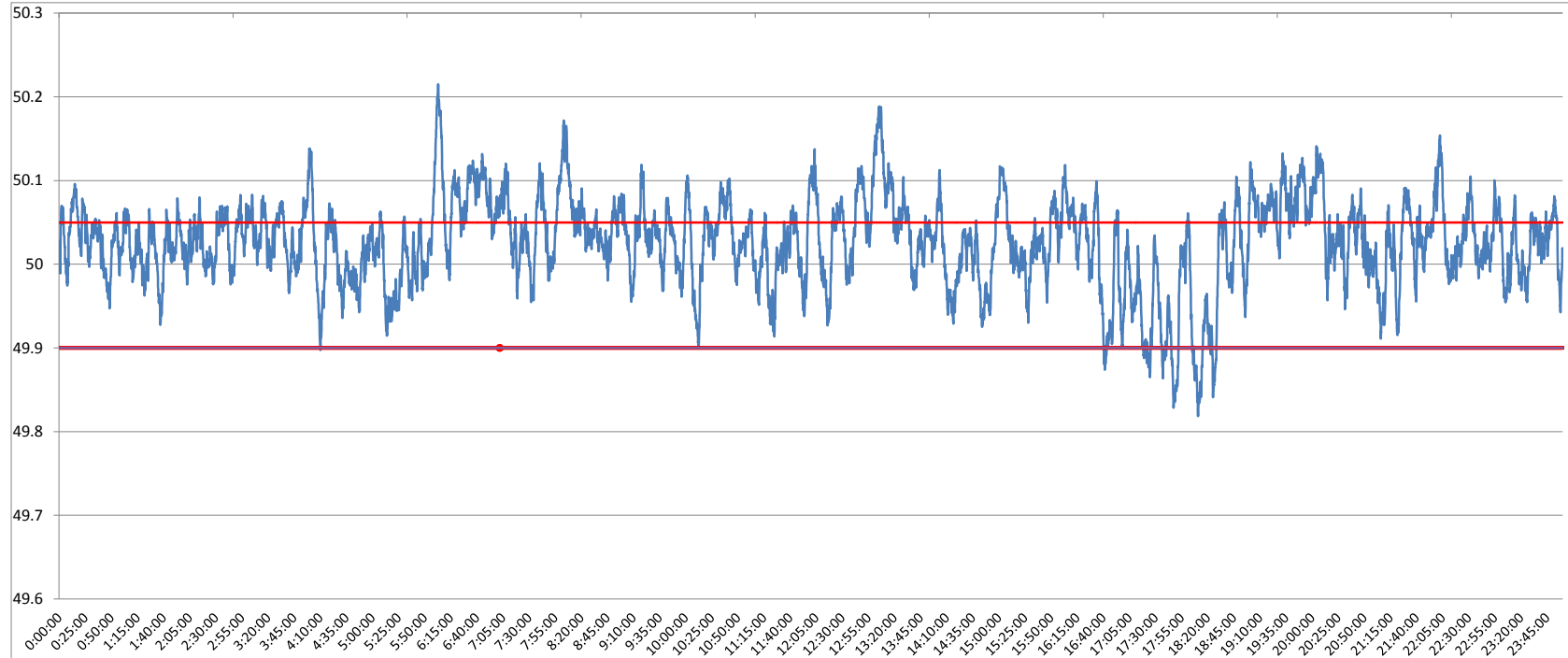


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

10-Oct-16



<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	2.35	13.10	0.00	2.35	25.34	65.54	6.71	65.78	99.94	37.45	25.24	72.16	49.44	31.88	0.06

Average Frequency	50.03	Frequency Variation Index :	0.035	Standard Deviation :	0.053
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.22 6:03:00
Min	49.82 18:10:40

15 minute average Frequency		
Max	50.133	13:15:00
Min	49.912	18:15:00

No. of excursion above 50.03 Hz	197
No. of excursion below 49.97 Hz	79
No. of excursion above 50.00 Hz	164
No. of excursion below 50.00 Hz	158

Average time freq remains below 49.97 per excursion	0:02:23	Average time frequency remains above 50.03 per excursion	0:03:37
--	----------------	---	----------------