

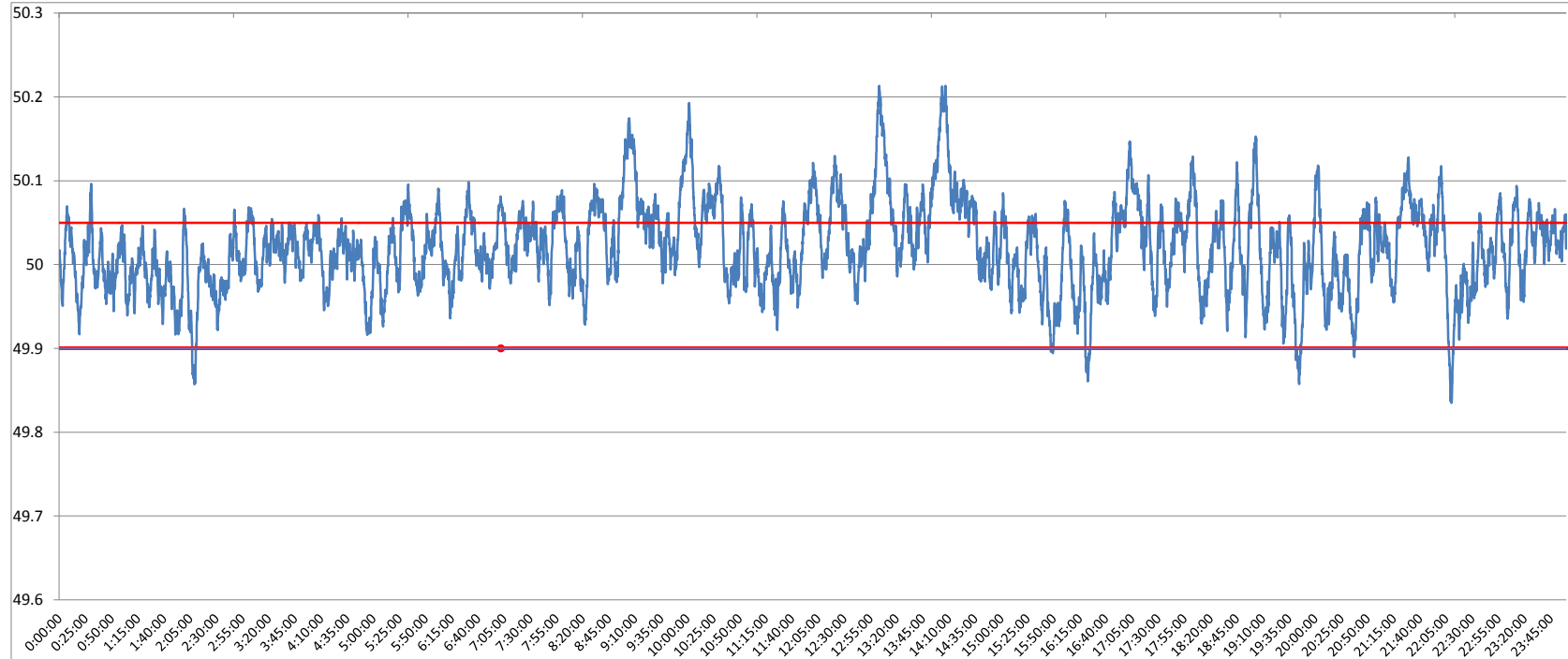


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

09-Jul-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	1.38	15.76	0.00	1.38	33.66	59.24	5.57	71.25	99.84	42.77	21.70	64.90	41.47	27.37	0.16

Average Frequency	50.02	Frequency Variation Index :	0.031	Standard Deviation :	0.052
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.21	13:03:20
Min	49.83	22:10:20

15 minute average Frequency		
Max	50.147	14:15:00
Min	49.944	16:00:00

No. of excursion above 50.03 Hz	171
No. of excursion below 49.97 Hz	119
No. of excursion above 50.00 Hz	174
No. of excursion below 50.00 Hz	177

Average time freq remains below 49.97 per excursion	0:01:54	Average time frequency remains above 50.03 per excursion	0:03:30
--	----------------	---	----------------