

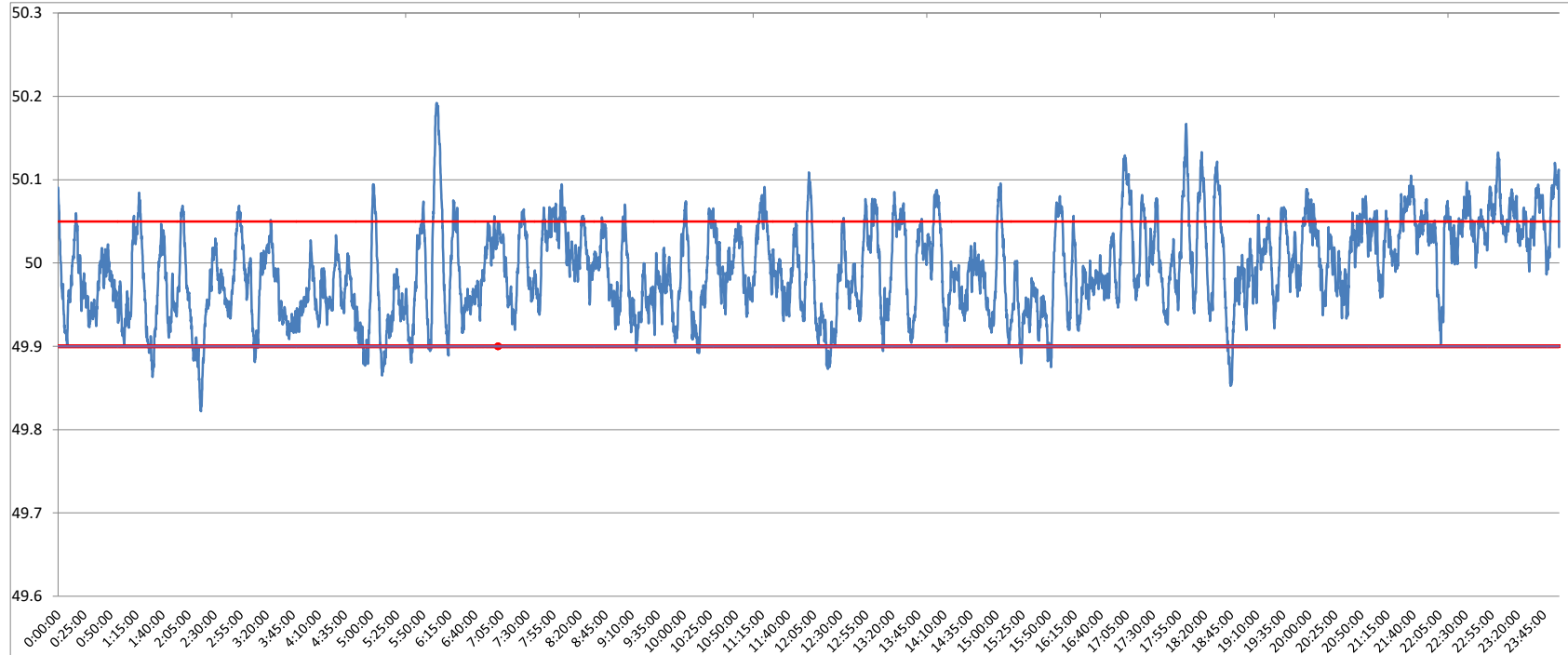


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

13-Sep-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	3.25	36.93	0.00	3.25	52.66	42.25	1.84	80.60	100.00	35.08	14.34	44.03	27.99	16.15	0.00

Average Frequency		49.99	Frequency Variation Index :		0.030	Standard Deviation :		0.054
Instantaneous Frequency			15 minute average Frequency			No. of excursion above 50.03 Hz		133
Max	50.19	6:03:00	Max	50.067	23:15:00	No. of excursion below 49.97 Hz	149	
Min	49.82	2:17:00	Min	49.911	5:00:00	No. of excursion above 50.00 Hz	131	
Average time freq remains below 49.97 per excursion			0:03:34	Average time frequency remains above 50.03 per excursion		0:03:02	No. of excursion below 50.00 Hz	134