

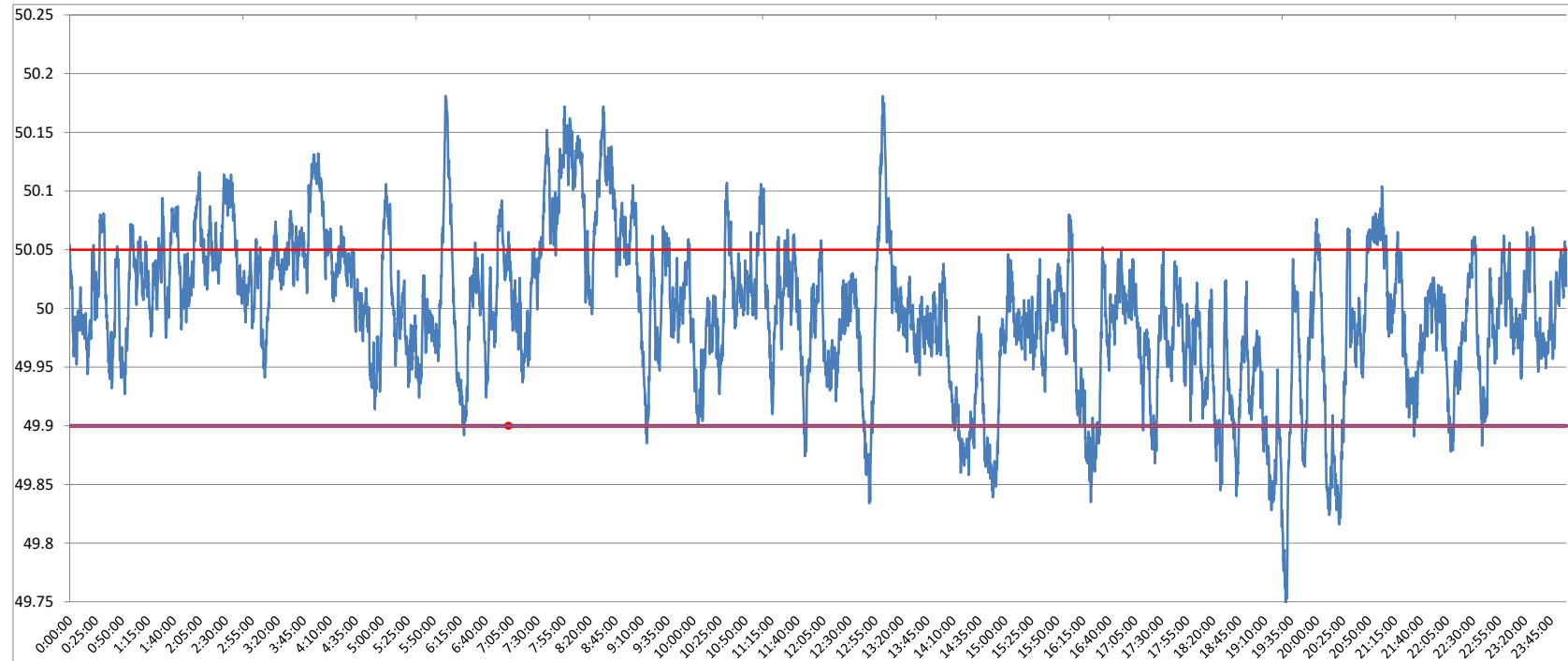


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

29-Jun-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	8.22	29.97	0.30	7.92	42.45	44.31	5.02	73.53	100.00	41.02	13.84	47.92	29.02	18.25	0.00

Average Frequency	50.00	Frequency Variation Index :	0.041	Standard Deviation :	0.064
-------------------	-------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.18	6:01:30
Min	49.73	19:30:10

15 minute average Frequency		
Max	50.127	8:15:00
Min	49.849	19:30:00

No. of excursion above 50.03 Hz	119
No. of excursion below 49.97 Hz	134
No. of excursion above 50.00 Hz	124
No. of excursion below 50.00 Hz	130

Average time freq remains below 49.97 per excursion	0:03:13	Average time frequency remains above 50.03 per excursion	0:03:31
---	---------	--	---------