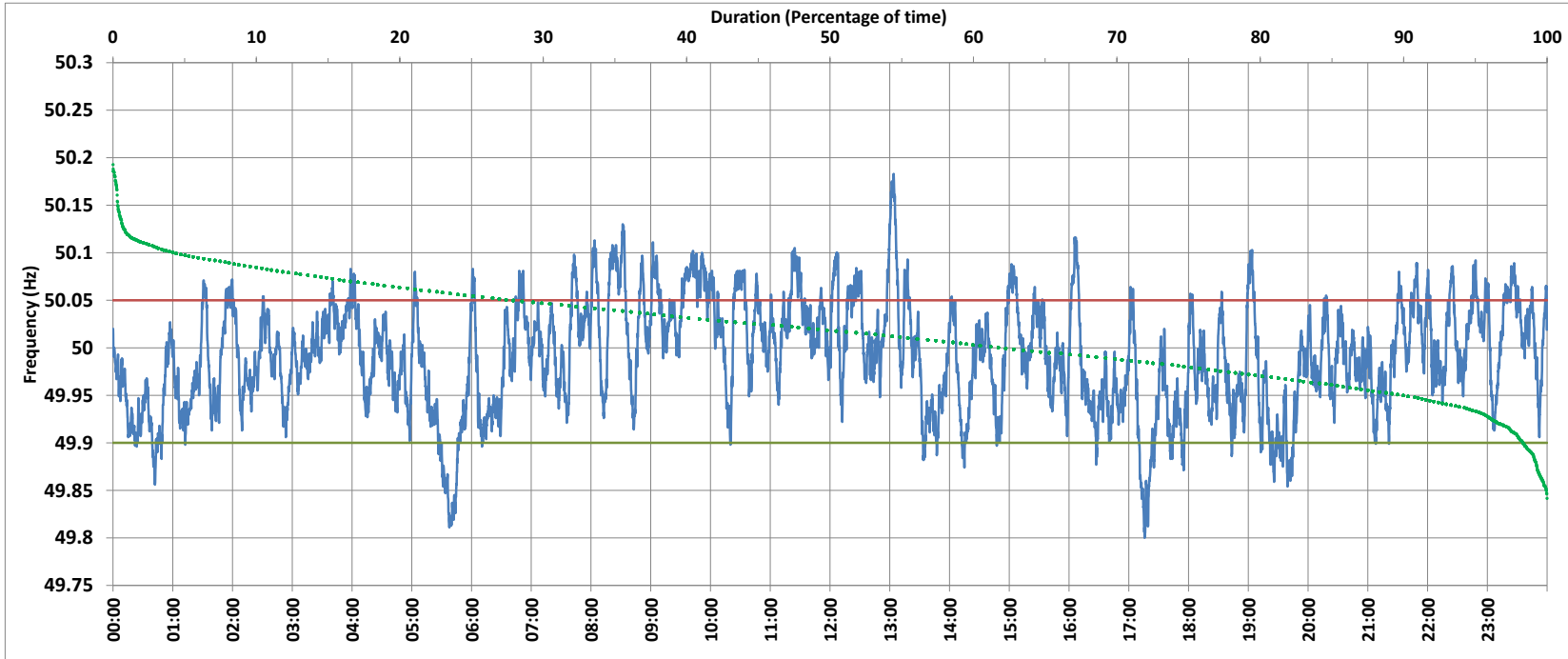


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



HISSAR:Frequency

National Grid Frequency Profile for 12-Jul-2017



<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
0.00	4.77	35.94	0.00	4.77	49.20	44.73	1.30	79.12	100.00	37.59	15.36	44.71	26.47	16.11	0.00

Average Frequency :	49.99	Frequency Variation Index :	0.033	Standard Deviation :	0.057
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Instantaneous Frequency		
Max	50.18	13:03:50
Min	49.80	17:15:50

15 minute Average Frequency		
Max	50.077	13:15:00
Min	49.843	5:45:00

No. of excursions above 50.03 Hz	119
No. of excursions below 49.97 Hz	116
No. of excursions above 50.00 Hz	109
No. of excursions below 50.00 Hz	106

Average time freq remains below 49.97 per excursion	0:04:28	Average time frequency remains above 50.03 per excursion	0:03:12
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