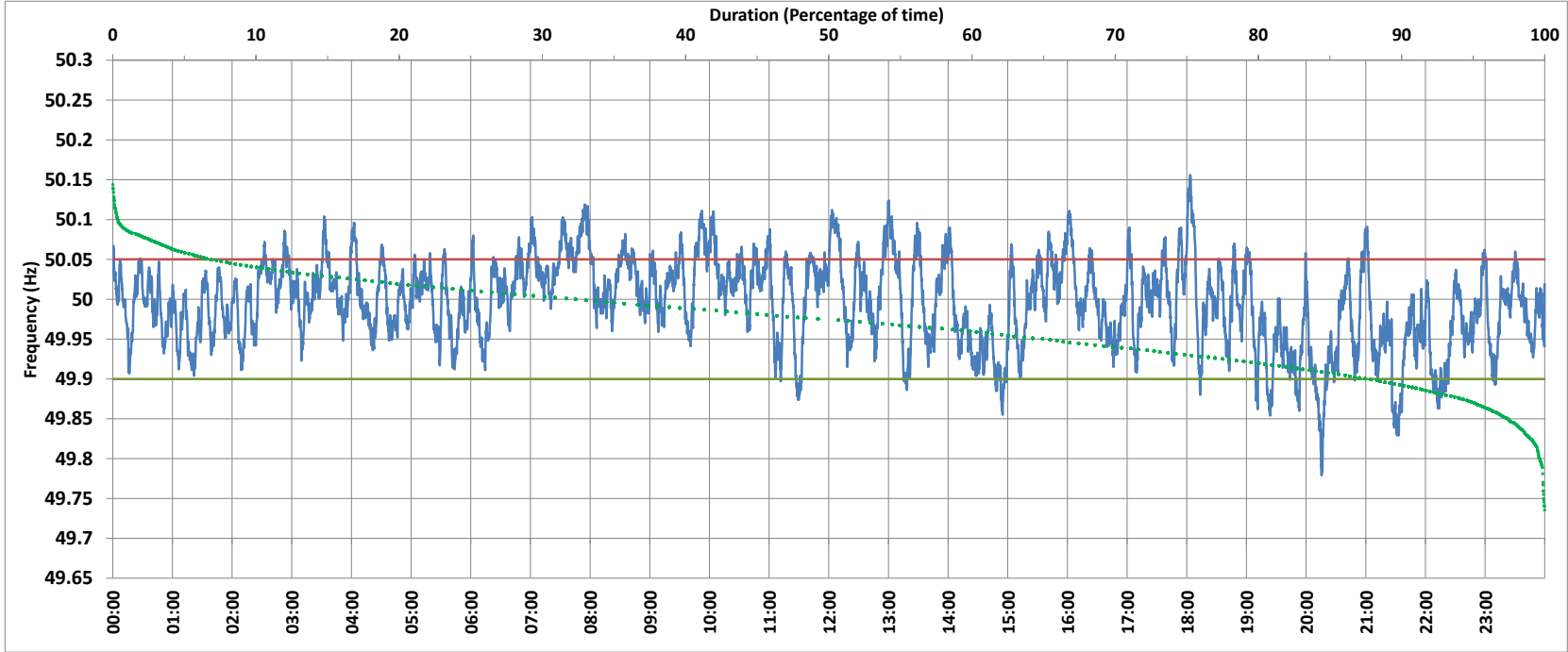


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



HISSAR:Frequency

National Grid Frequency Profile for 21-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	4.39	30.80	0.09	4.29	44.95	49.07	1.59	81.01	100.00	41.90	13.91	49.24	27.30	14.61	0.00

Average Frequency :	49.996	Frequency Variation Index :	0.029	Standard Deviation :	0.053
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency			15 minute Average Frequency			No. of excursions above 50.03 Hz		143	
Max	50.156	18:03:30	Max	50.085	8:00:00	No. of excursions below 49.97 Hz		117	
Min	49.779	20:15:30	Min	49.894	20:30:00	No. of excursions above 50.00 Hz		118	
							No. of excursions below 50.00 Hz		105

Average time freq remains below 49.97 per excursion	0:03:47	Average time frequency remains above 50.03 per excursion	0:02:45
---	---------	--	---------