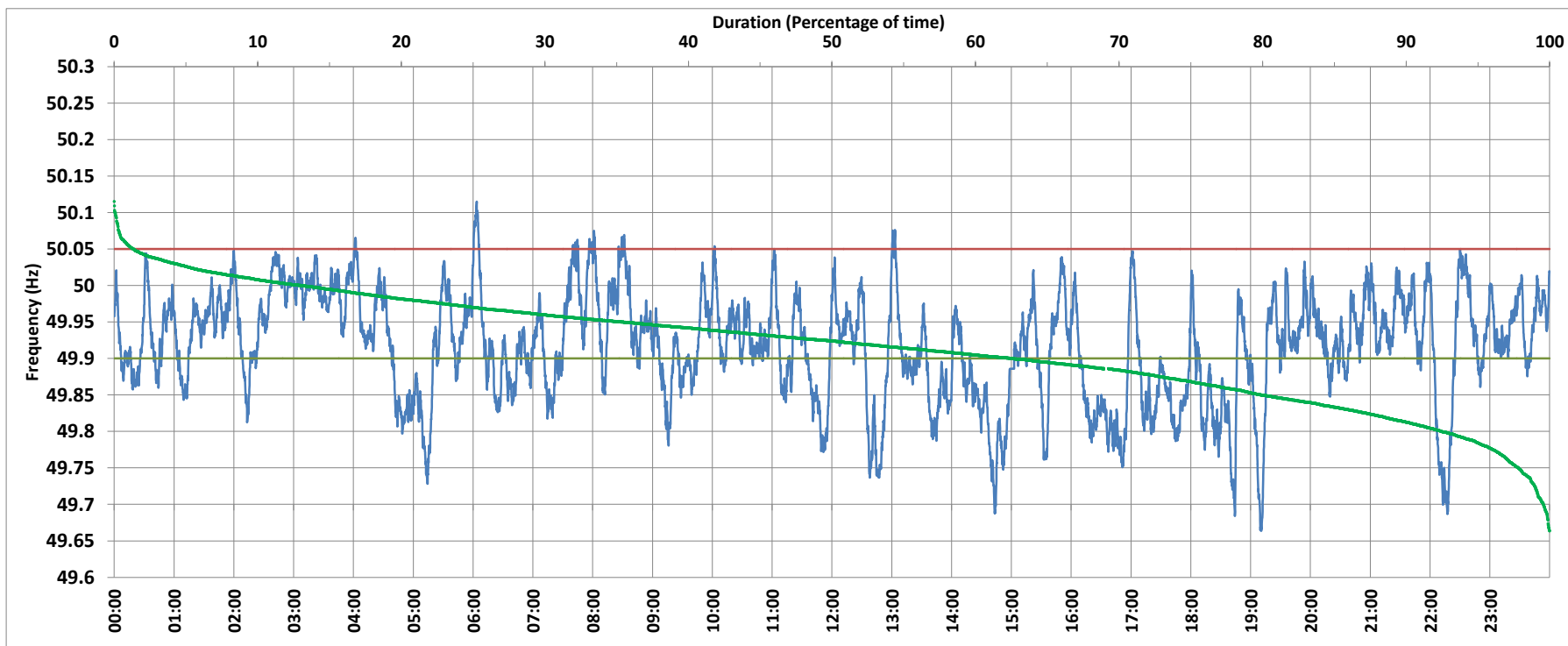


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



SLPR4:Frequency

National Grid Frequency Profile for 8-Sep-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
0.44	37.42	74.92	7.09	29.88	49.44	13.08	0.06	61.23	99.56	20.81	1.31	13.07	4.27	1.35	0.00

Average Frequency :	49.916	Frequency Variation Index :	0.126	Standard Deviation :	0.075
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.115	6:03:30
Min	49.664	19:10:40

15 minute Average Frequency		
Max	50.005	8:30:00
Min	49.775	19:15:00

No. of excursions above 50.03 Hz	47
No. of excursions below 49.97 Hz	107
No. of excursions above 50.00 Hz	89
No. of excursions below 50.00 Hz	90

Average time freq remains below 49.97 per excursion	0:10:05	Average time frequency remains above 50.03 per excursion	0:01:19
---	---------	--	---------