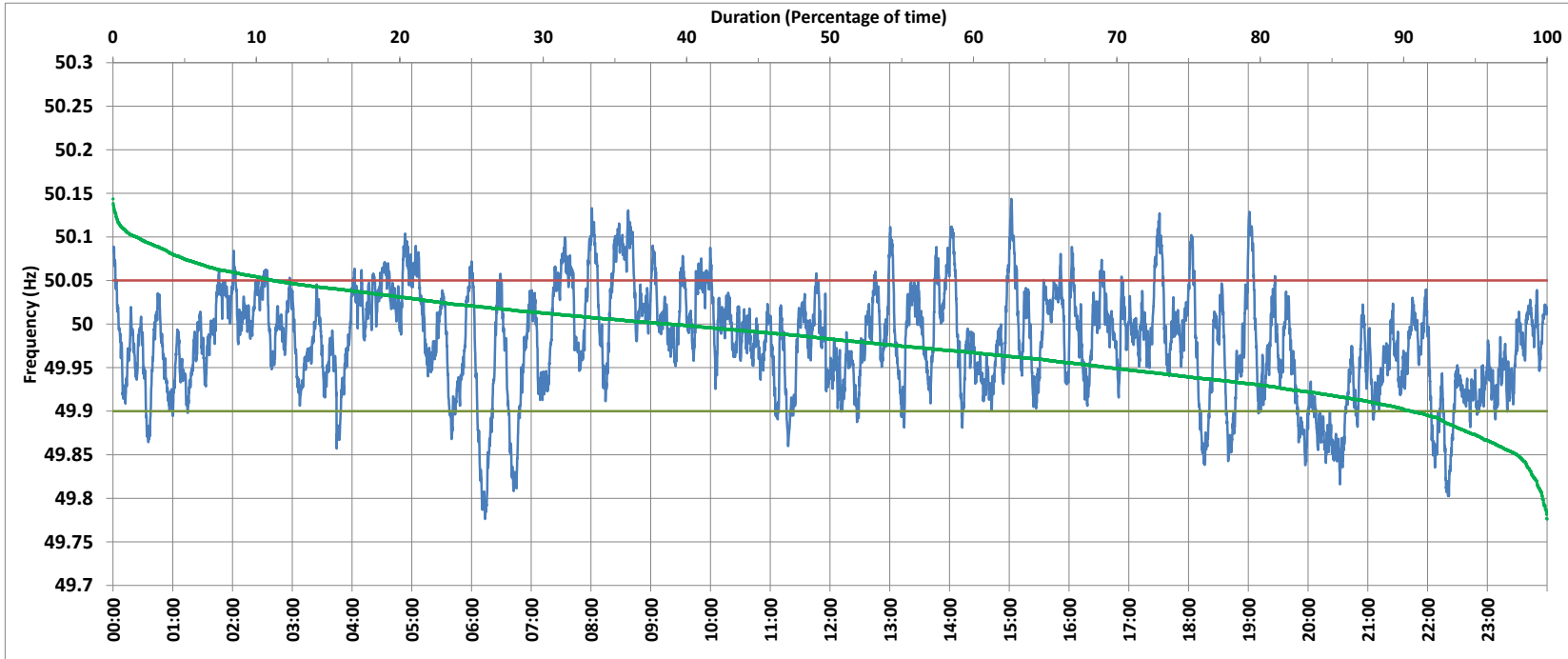


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



SLPR4:Frequency

National Grid Frequency Profile for 7-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	9.46	41.89	0.32	9.13	51.78	37.13	1.63	79.40	100.00	37.58	9.57	38.73	20.53	11.15	0.00

Average Frequency :	49.98	Frequency Variation Index :	0.040	Standard Deviation :	0.060
---------------------	-------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.14	15:02:00
Min	49.78	6:13:30

15 minute Average Frequency		
Max	50.085	8:45:00
Min	49.864	20:30:00

No. of excursions above 50.03 Hz	117
No. of excursions below 49.97 Hz	144
No. of excursions above 50.00 Hz	177
No. of excursions below 50.00 Hz	176

Average time freq remains below 49.97 per excursion	0:04:11	Average time frequency remains above 50.03 per excursion	0:02:32
---	---------	--	---------