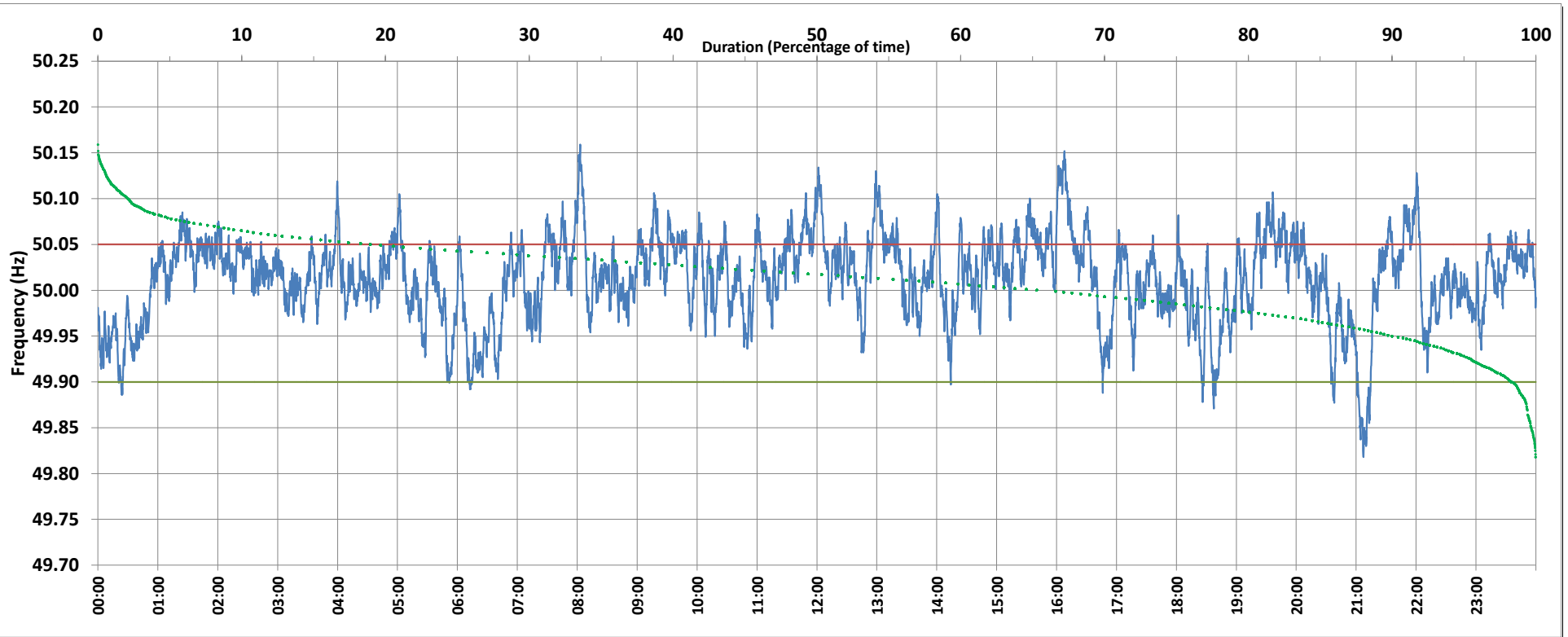


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 14-Sep-2019 (Saturday)



<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	<49.95	49.95-50.05	49.90-49.95
0.00	1.56	16.35	0.00	1.56	31.84	64.42	2.18	79.50	100.00	45.90	17.58	65.28	37.74	18.94	0.00	9.58	71.48	8.02

Average Frequency : 50.013	Frequency Variation Index : 0.0230	Standard Deviation : 0.0464	Mileage: 46.4	FDI: 20.5
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Instantaneous Frequency		
Max	50.159	8:02:50
Min	49.818	21:07:10

15 minute Average Frequency		
Max	50.111	16:15:00
Min	49.867	21:15:00

No. of excursions	
above 50.03 Hz	175
below 49.97 Hz	83
above 50.00 Hz	115
below 50.00 Hz	120

Average time freq per excursion remains	
below 49.97	0:02:50
above 50.03	0:03:06

No. of hours freq outside 49.9-50.05 Hz	4:55:10
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Source : BALLIA:Frequency 10 Sec. (8640 samples)