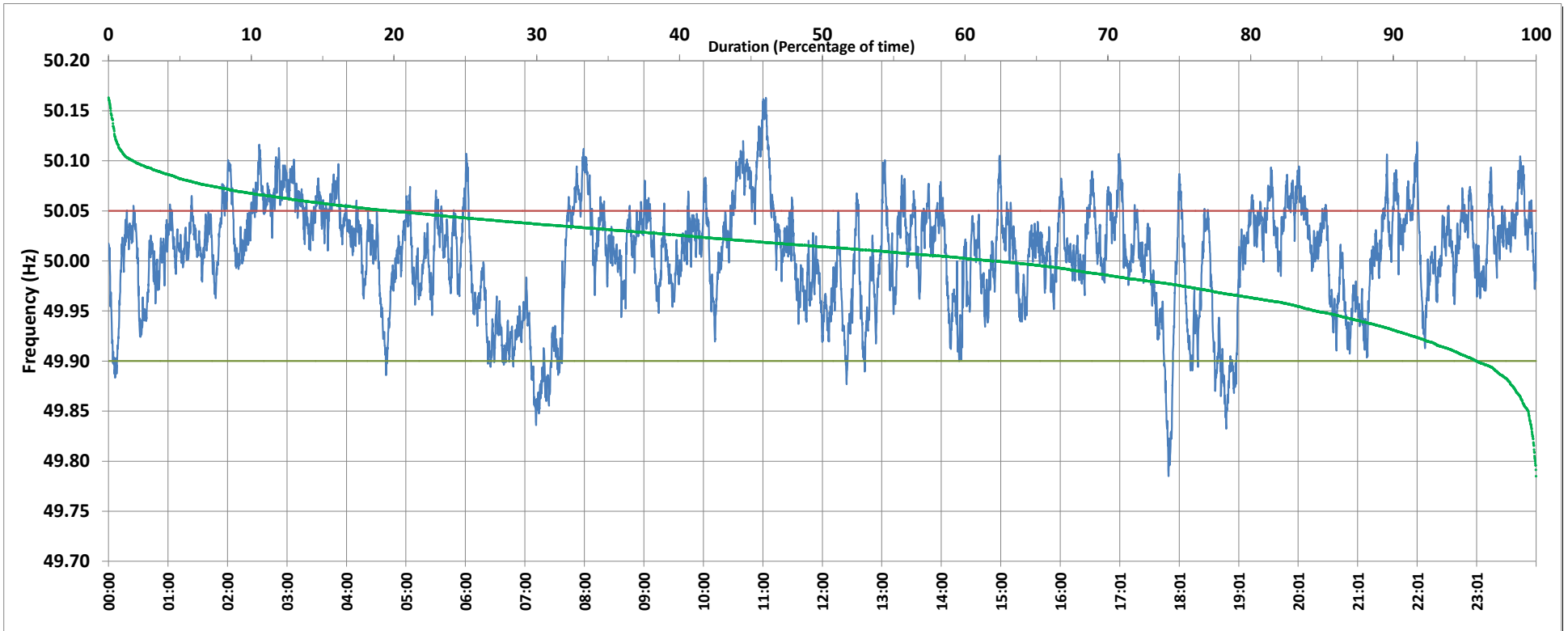


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 13-Sep-2019 (Friday)



<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	4.16	22.69	0.06	4.10	33.63	60.46	1.75	76.15	100.00	41.15	18.08	61.97	36.17	19.70	0.00	15.38	64.92	11.23

Average Frequency : 50.007	Frequency Variation Index : 0.0290	Standard Deviation : 0.0535	Mileage: 47.9	FDI: 23.9
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Instantaneous Frequency		
Max	50.163	11:03:00
Min	49.785	17:50:20

15 minute Average Frequency		
Max	50.092	11:00:00
Min	49.887	19:00:00

No. of excursions	
above 50.03 Hz	203
below 49.97 Hz	99
above 50.00 Hz	179
below 50.00 Hz	177

Average time freq per excursion remains	
below 49.97	0:03:18
above 50.03	0:02:34

No. of hours freq outside 49.9-50.05 Hz	5:43:30
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)