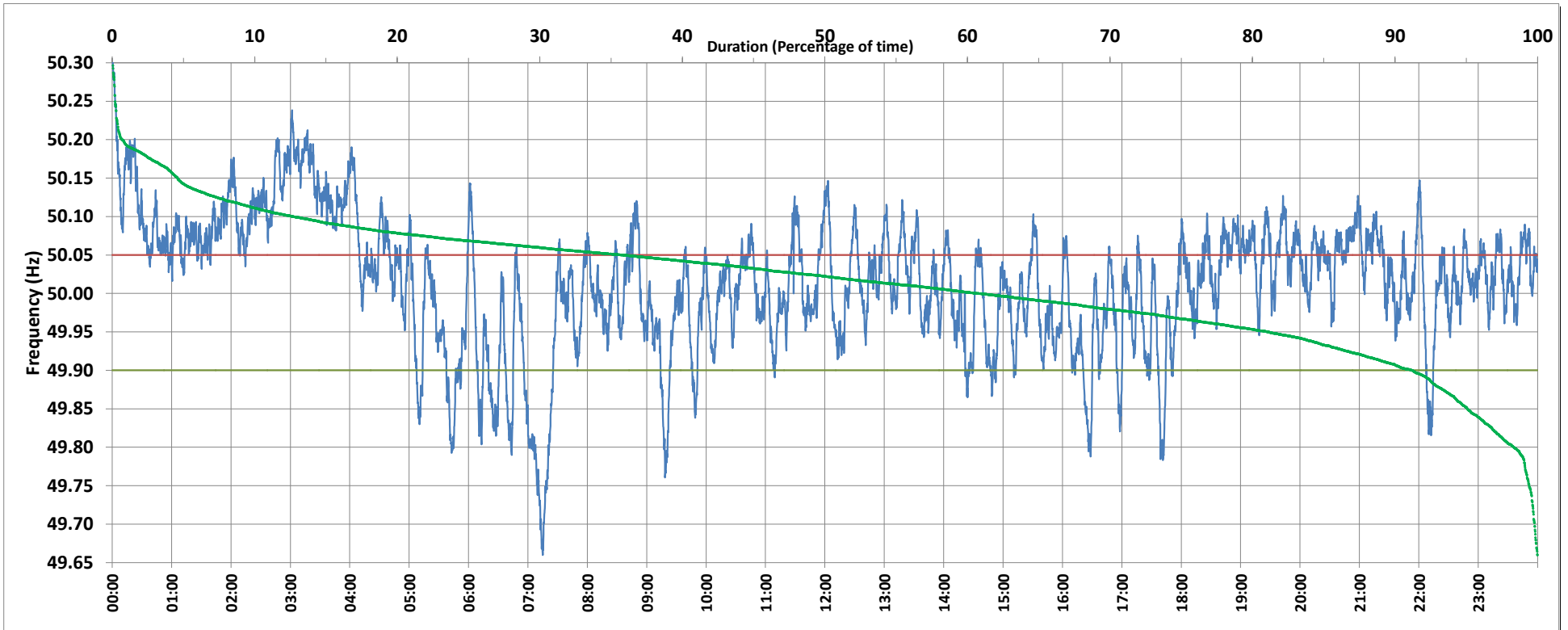


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-Dec-2019 (Monday)



<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
0.21	8.78	26.04	1.45	7.13	30.32	48.15	12.03	55.37	99.07	27.82	23.23	60.74	46.13	35.84	0.72	18.85	45.30	10.07

Average Frequency : 50.015	Frequency Variation Index : 0.0753	Standard Deviation : 0.0855	Mileage: 54.1	FDI: 44.6
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Instantaneous Frequency		
Max	50.319	0:00:00
Min	49.660	7:14:50

15 minute Average Frequency		
Max	50.186	3:15:00
Min	49.768	7:15:00

No. of excursions	
above 50.03 Hz	137
below 49.97 Hz	109
above 50.00 Hz	126
below 50.00 Hz	124

Average time freq per excursion remains	
below 49.97	0:03:26
above 50.03	0:04:51

No. of hours freq outside 49.9-50.05 Hz	10:42:40
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)