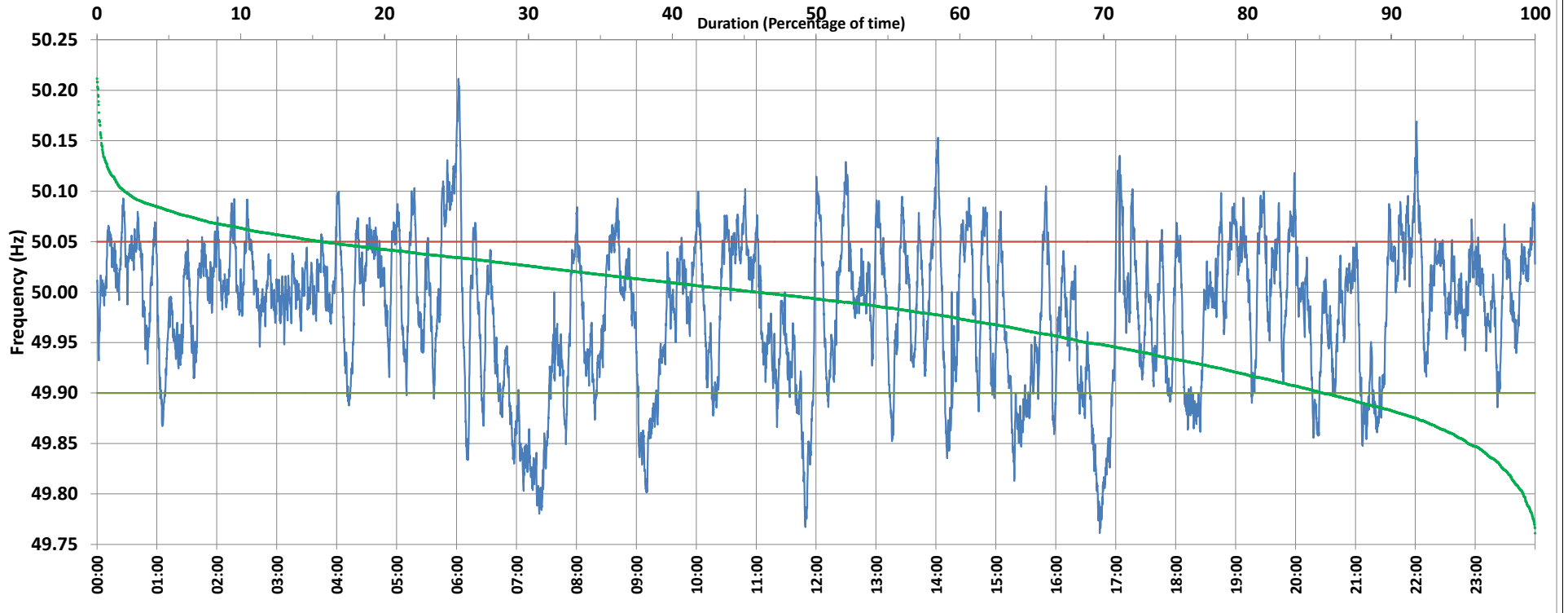


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Dec-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	14.77	38.53	0.84	13.92	39.25	44.05	1.85	69.58	99.92	33.87	13.81	45.79	27.60	15.65	0.08	31.10	53.25	16.33

Average Frequency : 49.982	Frequency Variation Index : 0.0530	Standard Deviation : 0.0705	Mileage: 52.9	FDI: 30.4
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Instantaneous Frequency		
Max	50.212	6:01:50
Min	49.761	16:44:00

15 minute Average Frequency		
Max	50.100	6:00:00
Min	49.814	7:30:00

No. of excursions	
above 50.03 Hz	155
below 49.97 Hz	106
above 50.00 Hz	161
below 50.00 Hz	158

Average time freq per excursion remains	
below 49.97	0:05:14
above 50.03	0:02:34

No. of hours freq outside 49.9-50.05 Hz	7:18:00
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)