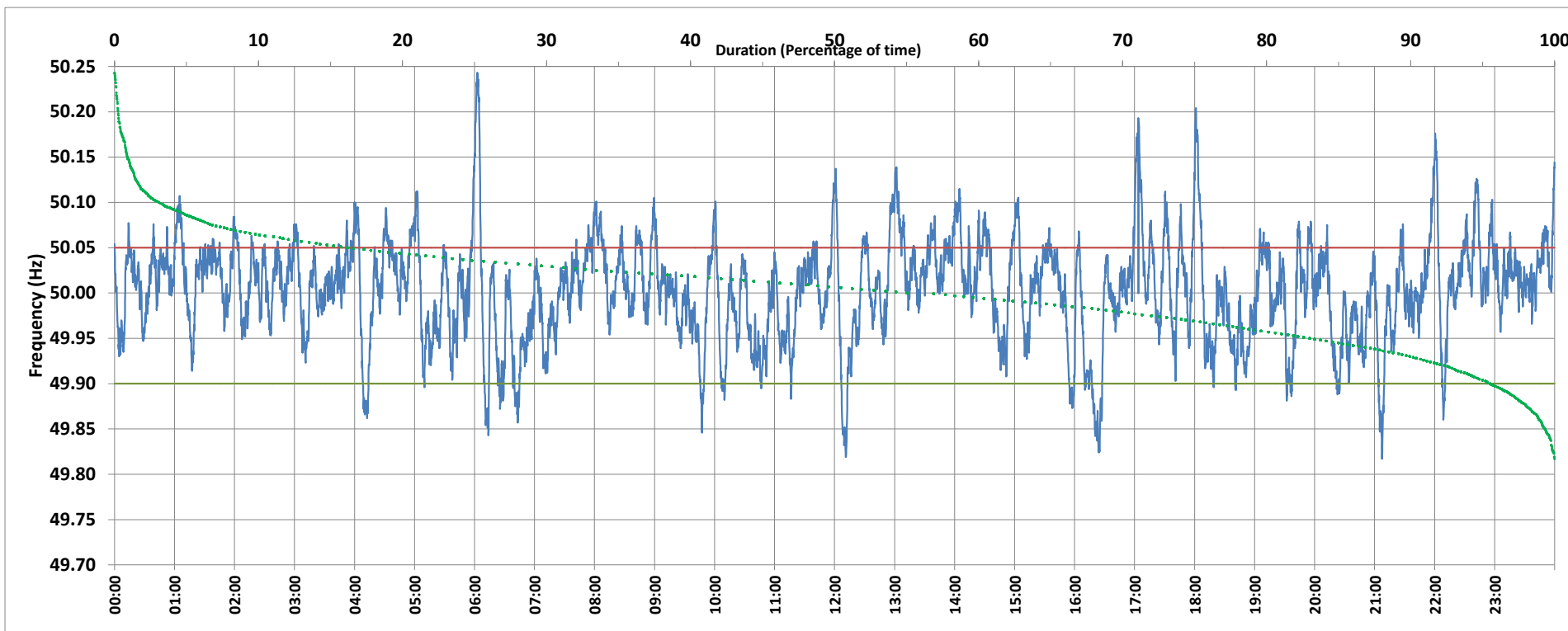


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 31-Jan-2020 (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	4.41	25.12	0.00	4.41	38.72	53.69	2.93	79.43	99.75	45.27	13.53	55.02	29.62	16.16	0.25	16.67	67.18	12.26

Average Frequency : 50.003	Frequency Variation Index : 0.0311	Standard Deviation : 0.0556	Mileage: 52.2	FDI: 20.6
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Instantaneous Frequency	
Max	50.243 6:02:40
Min	49.817 21:07:20

15 minute Average Frequency	
Max	50.078 17:15:00
Min	49.886 16:30:00

No. of excursions	
above 50.03 Hz	163
below 49.97 Hz	105
above 50.00 Hz	141
below 50.00 Hz	127

Average time freq per excursion remains	
below 49.97	0:03:27
above 50.03	0:02:37

No. of hours freq outside 49.9-50.05 Hz	4:56:10
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Source : BALLIA:Frequency 10 Sec. (8640 samples)