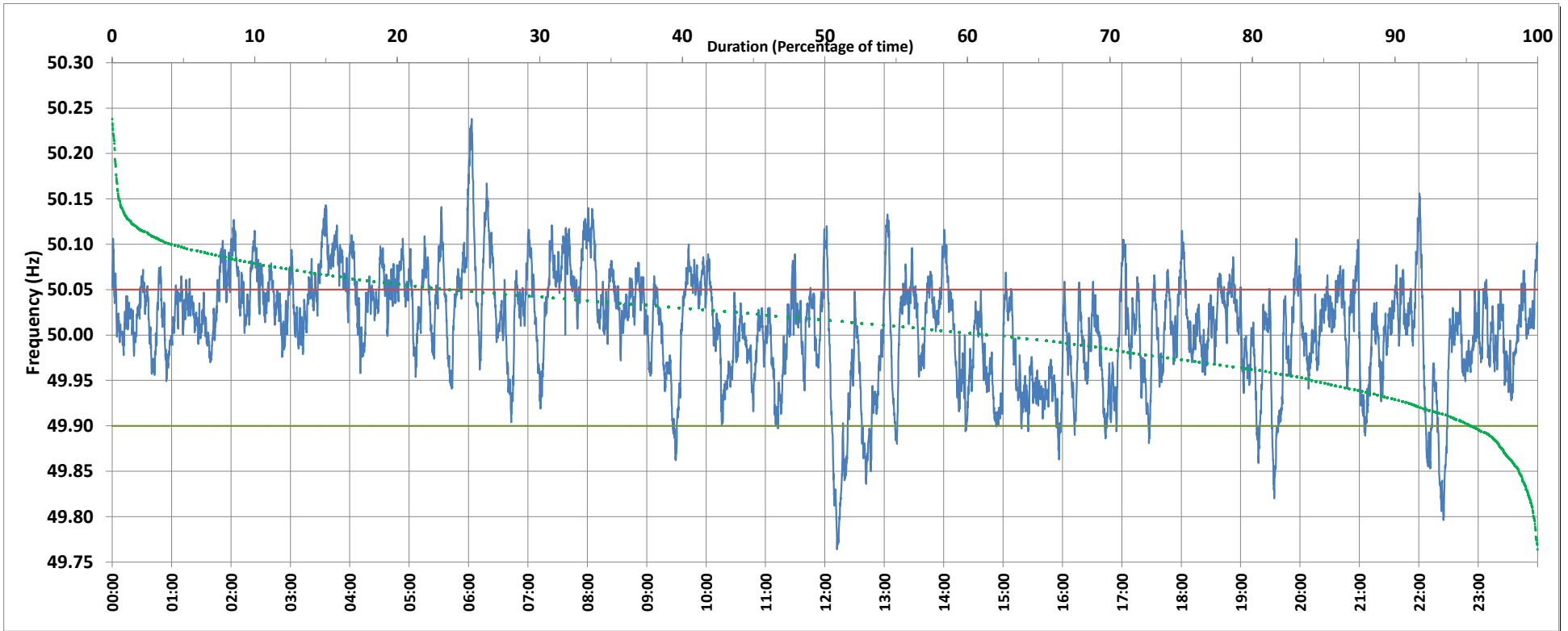


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 07-Dec-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	4.56	23.21	0.27	4.29	32.88	58.17	4.20	71.78	99.81	37.03	20.15	61.32	39.77	23.66	0.19	15.57	60.78	11.01

Average Frequency : 50.010	Frequency Variation Index : 0.0371	Standard Deviation : 0.0601	Mileage: 52.9	FDI: 28.2
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Instantaneous Frequency		
Max	50.238	6:03:10
Min	49.764	12:12:20

15 minute Average Frequency		
Max	50.100	3:45:00
Min	49.877	22:30:00

No. of excursions	
above 50.03 Hz	171
below 49.97 Hz	96
above 50.00 Hz	113
below 50.00 Hz	98

Average time freq per excursion remains	
below 49.97	0:03:29
above 50.03	0:03:21

No. of hours freq outside 49.9-50.05 Hz	6:46:20
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Source : BALLIA:Frequency 10 Sec. (8640 samples)