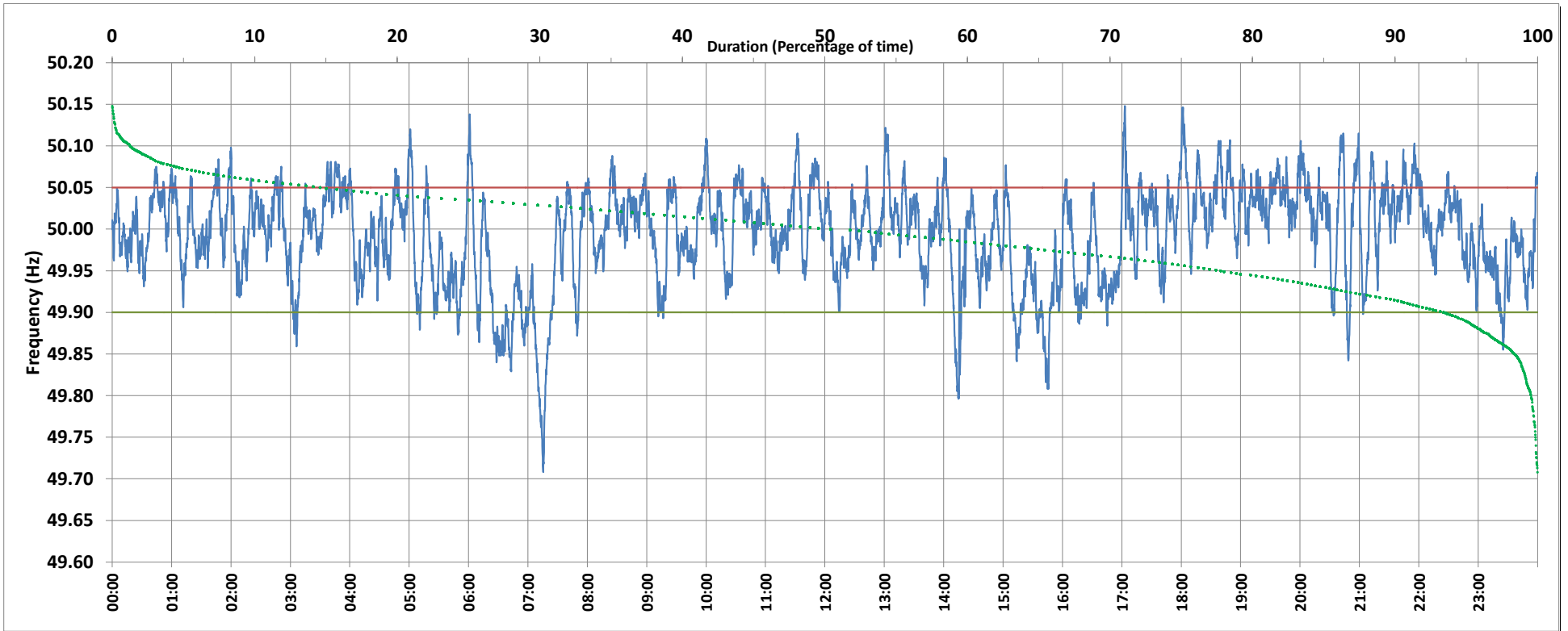


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 19-Nov-2019 (Tuesday)



<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	6.44	31.26	0.45	5.98	41.81	50.46	1.30	78.98	100.00	39.80	13.77	50.38	28.94	14.58	0.00	22.01	63.40	15.58

Average Frequency : 49.993	Frequency Variation Index : 0.0346	Standard Deviation : 0.0584	Mileage: 52.0	FDI: 21.0
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Instantaneous Frequency		
Max	50.148	17:03:00
Min	49.708	7:15:20

15 minute Average Frequency		
Max	50.058	22:00:00
Min	49.857	7:15:00

No. of excursions	
above 50.03 Hz	177
below 49.97 Hz	121
above 50.00 Hz	123
below 50.00 Hz	121

Average time freq per excursion remains	
below 49.97	0:03:43
above 50.03	0:02:21

No. of hours freq outside 49.9-50.05 Hz	5:02:40
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Source : BALLIA:Frequency 10 Sec. (8640 samples)