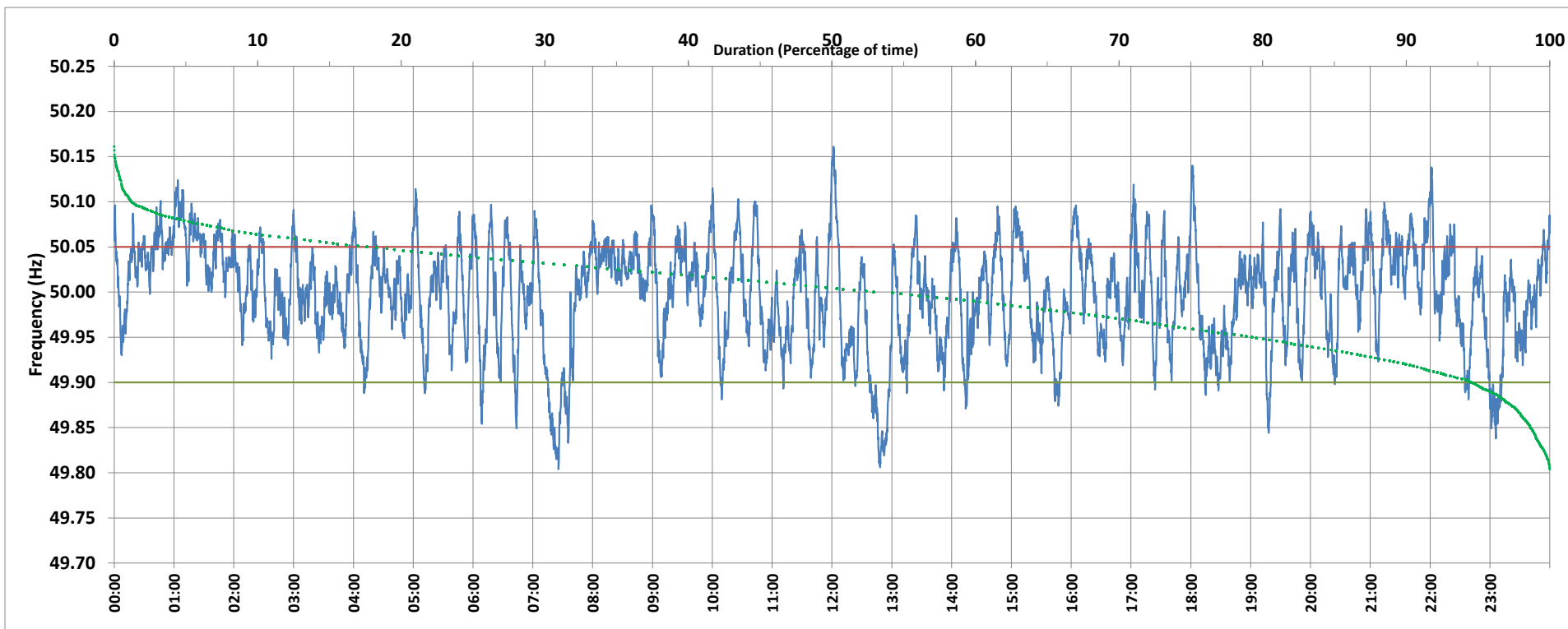


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 29-Jan-2020 (Wednesday)



<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	5.32	29.29	0.00	5.32	40.47	52.93	1.27	77.09	100.00	39.38	17.09	52.91	31.33	17.58	0.00	20.44	61.98	15.12

Average Frequency : 49.998	Frequency Variation Index : 0.0324	Standard Deviation : 0.0569	Mileage: 51.7	FDI: 22.9
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Instantaneous Frequency		
Max	50.161	12:01:40
Min	49.804	7:25:40

15 minute Average Frequency		
Max	50.080	1:15:00
Min	49.854	7:30:00

No. of excursions	
above 50.03 Hz	159
below 49.97 Hz	106
above 50.00 Hz	125
below 50.00 Hz	117

Average time freq per excursion remains	
below 49.97	0:03:59
above 50.03	0:02:50

No. of hours freq outside 49.9-50.05 Hz	5:29:50
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Source : BALLIA:Frequency 10 Sec. (8640 samples)