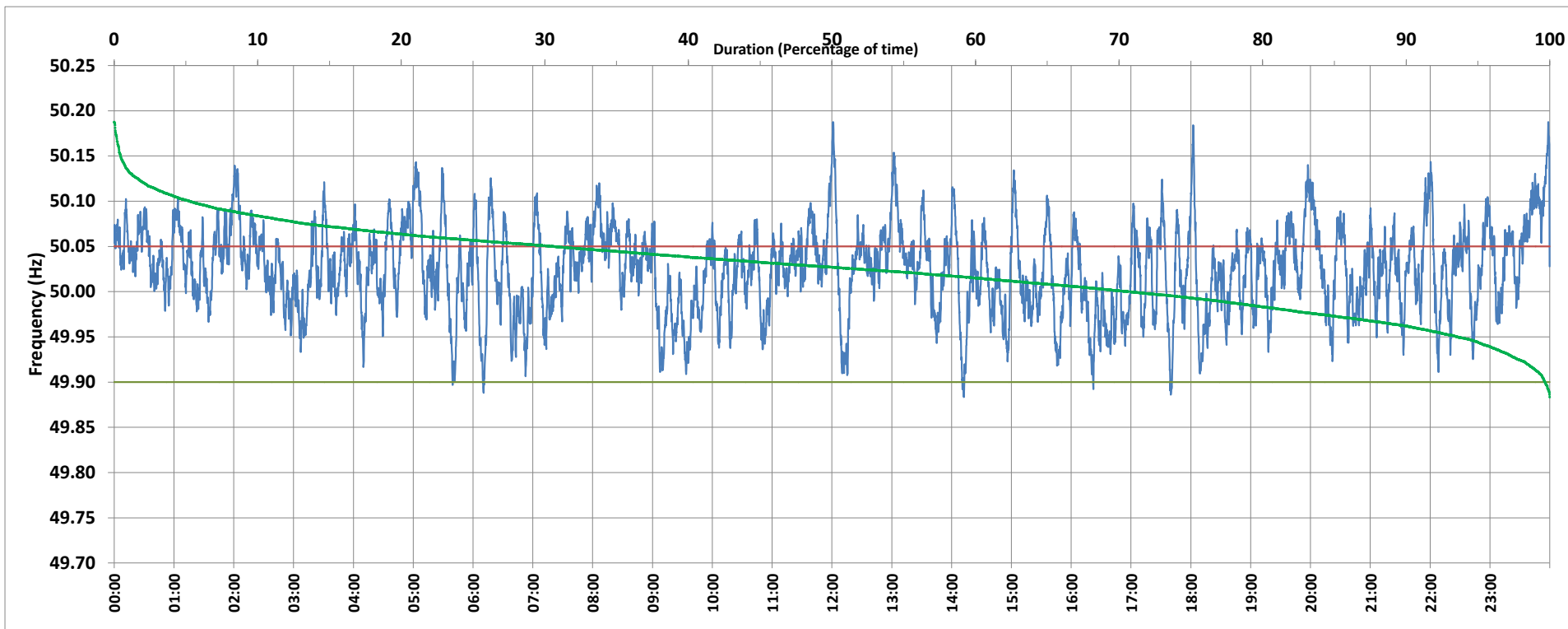


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-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	0.32	13.51	0.00	0.32	28.90	65.51	5.27	69.09	100.00	39.33	25.38	70.59	47.16	30.59	0.00	6.42	62.99	6.10

Average Frequency : 50.025	Frequency Variation Index : 0.0288	Standard Deviation : 0.0476	Mileage: 52.3	FDI: 30.9
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Instantaneous Frequency		
Max	50.188	23:58:20
Min	49.884	14:12:10

15 minute Average Frequency		
Max	50.114	0:00:00
Min	49.957	16:30:00

No. of excursions	
above 50.03 Hz	225
below 49.97 Hz	122
above 50.00 Hz	169
below 50.00 Hz	172

Average time freq per excursion remains	
below 49.97	0:01:36
above 50.03	0:03:01

No. of hours freq outside 49.9-50.05 Hz	7:25:10
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)