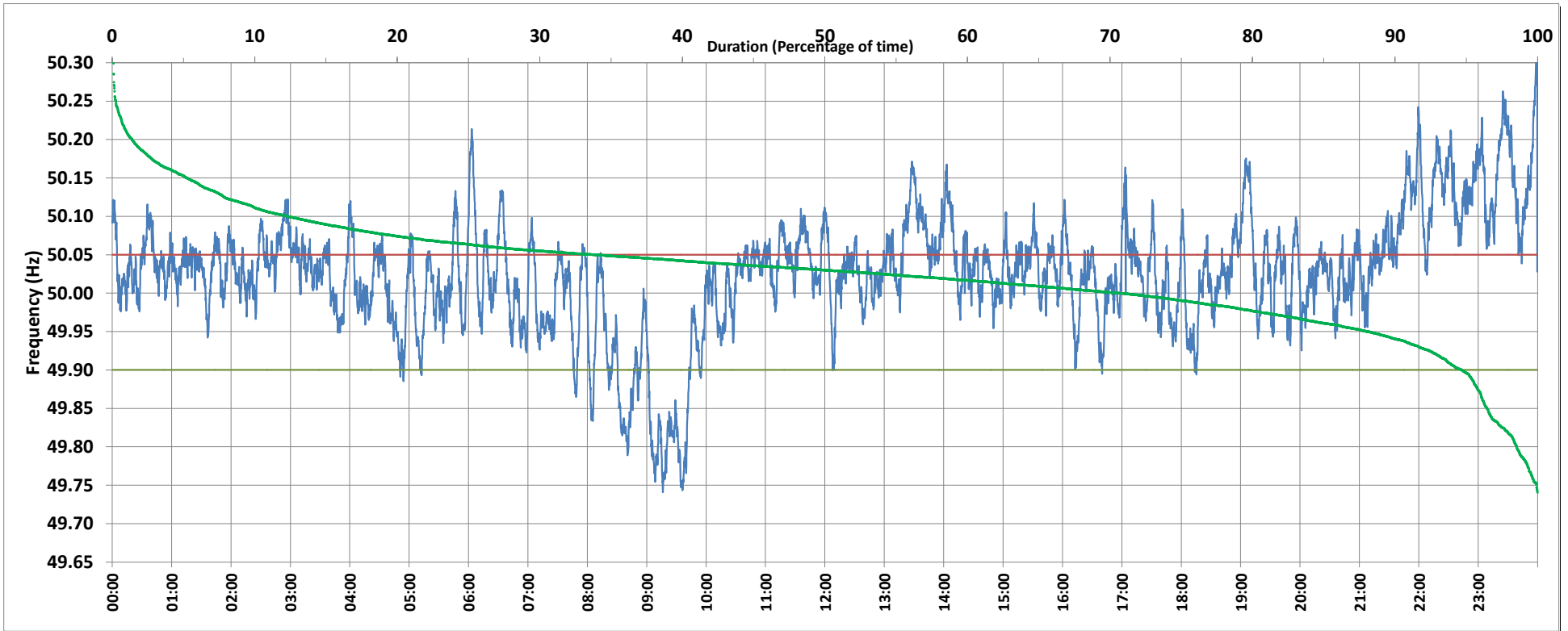


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Dec-2019 (Sunday)



<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	5.29	17.69	1.46	3.83	23.90	58.46	10.95	60.78	98.60	32.20	21.68	70.65	50.12	33.94	1.40	11.84	54.22	6.55

Average Frequency : 50.026	Frequency Variation Index : 0.0646	Standard Deviation : 0.0763	Mileage: 54.6	FDI: 39.2
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Instantaneous Frequency		
Max	50.335	23:59:30
Min	49.741	9:16:20

15 minute Average Frequency		
Max	50.185	23:30:00
Min	49.805	9:30:00

No. of excursions	
above 50.03 Hz	206
below 49.97 Hz	86
above 50.00 Hz	161
below 50.00 Hz	160

Average time freq per excursion remains	
below 49.97	0:02:58
above 50.03	0:03:30

No. of hours freq outside 49.9-50.05 Hz	9:24:50
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)