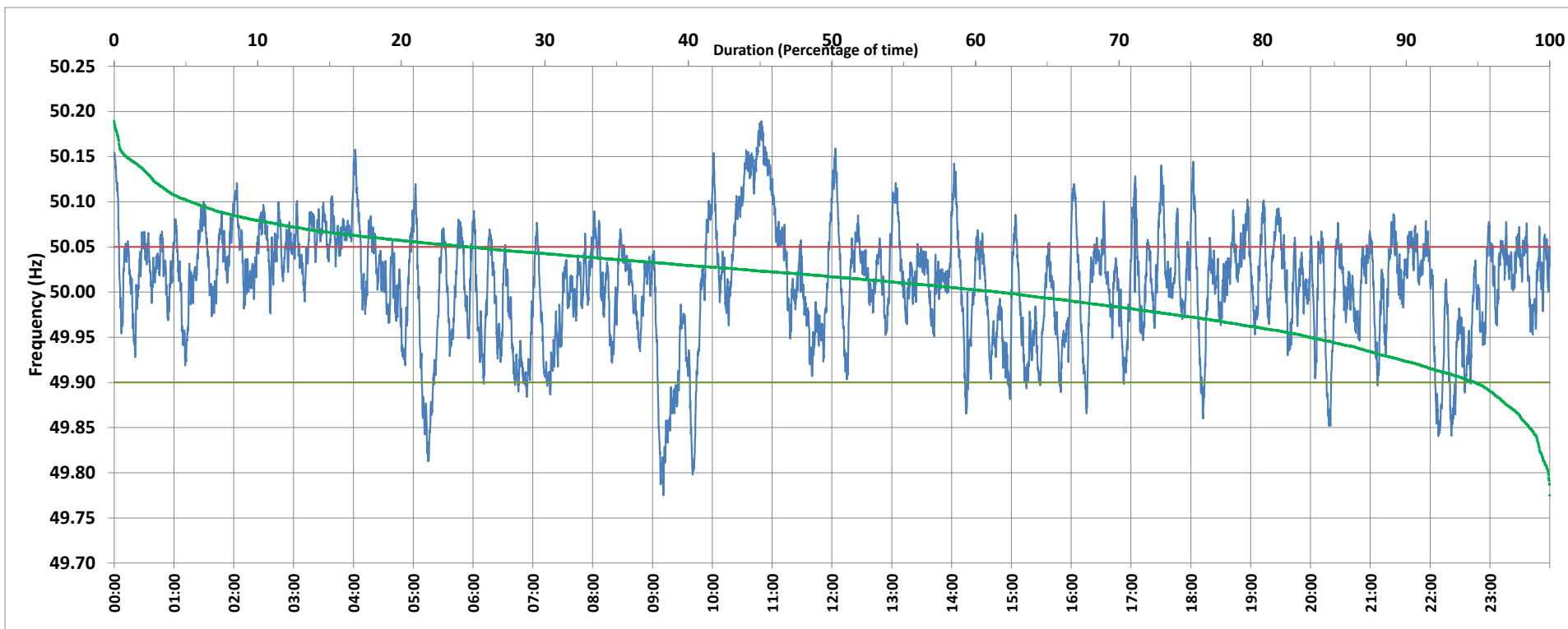


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 11-Jan-2020 (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	5.19	23.84	0.10	5.08	33.10	56.38	5.34	70.21	100.00	36.63	19.40	61.56	39.53	24.61	0.00	16.69	58.70	11.50

Average Frequency : 50.009	Frequency Variation Index : 0.0396	Standard Deviation : 0.0623	Mileage: 51.0	FDI: 29.8
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Instantaneous Frequency		
Max	50.189	10:49:10
Min	49.775	9:10:50

15 minute Average Frequency		
Max	50.152	11:00:00
Min	49.884	9:15:00

No. of excursions	
above 50.03 Hz	189
below 49.97 Hz	103
above 50.00 Hz	157
below 50.00 Hz	156

Average time freq per excursion remains	
below 49.97	0:03:20
above 50.03	0:03:01

No. of hours freq outside 49.9-50.05 Hz	7:09:00
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)