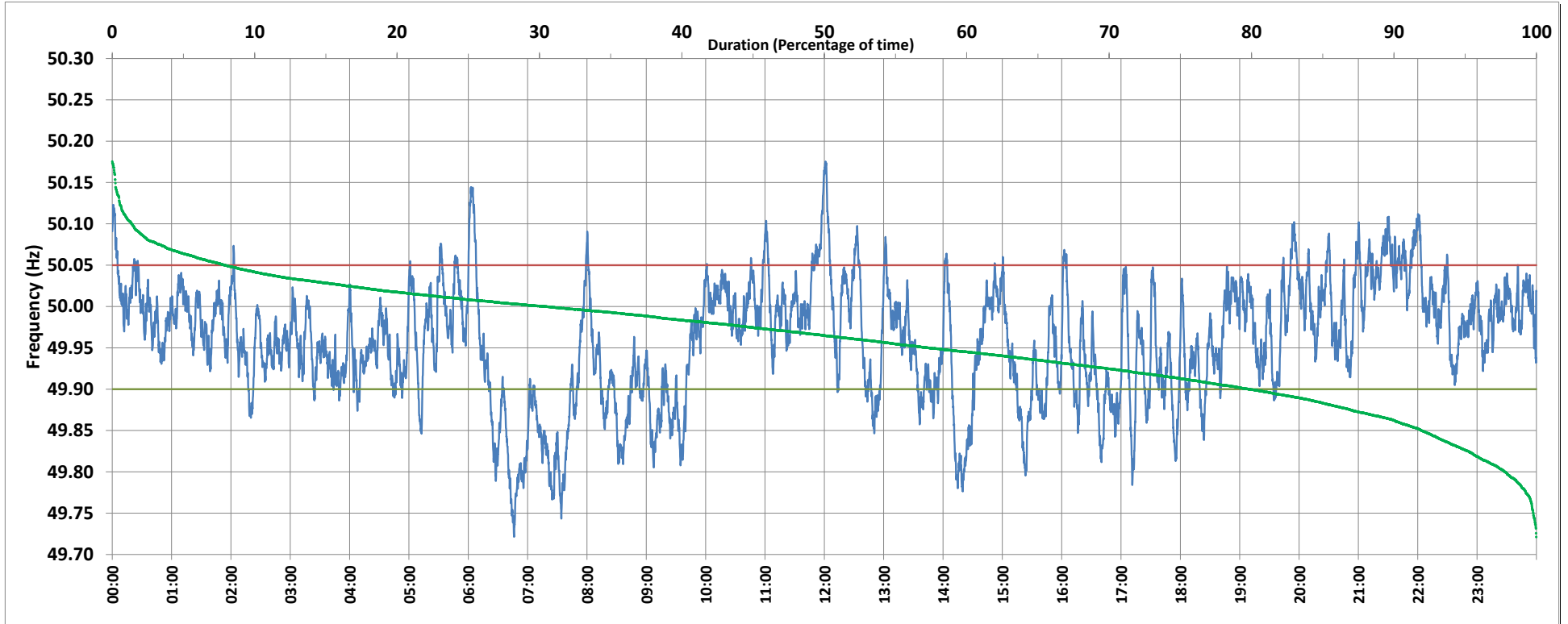


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Dec-2018 (Thursday)



<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	20.17	52.50	2.21	17.96	49.28	29.17	1.38	71.91	100.00	33.17	6.55	30.47	14.33	7.92	0.00	42.62	49.47	22.44

Average Frequency : 49.958	Frequency Variation Index : 0.0680	Standard Deviation : 0.0712	Mileage: 47.6	FDI: 28.1
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Instantaneous Frequency		
Max	50.175	12:01:10
Min	49.721	6:46:10

15 minute Average Frequency		
Max	50.068	12:00:00
Min	49.788	7:00:00

No. of excursions	
above 50.03 Hz	107
below 49.97 Hz	125
above 50.00 Hz	153
below 50.00 Hz	152

Average time freq per excursion remains	
below 49.97	0:06:03
above 50.03	0:01:56

No. of hours freq outside 49.9-50.05 Hz	6:44:30
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)