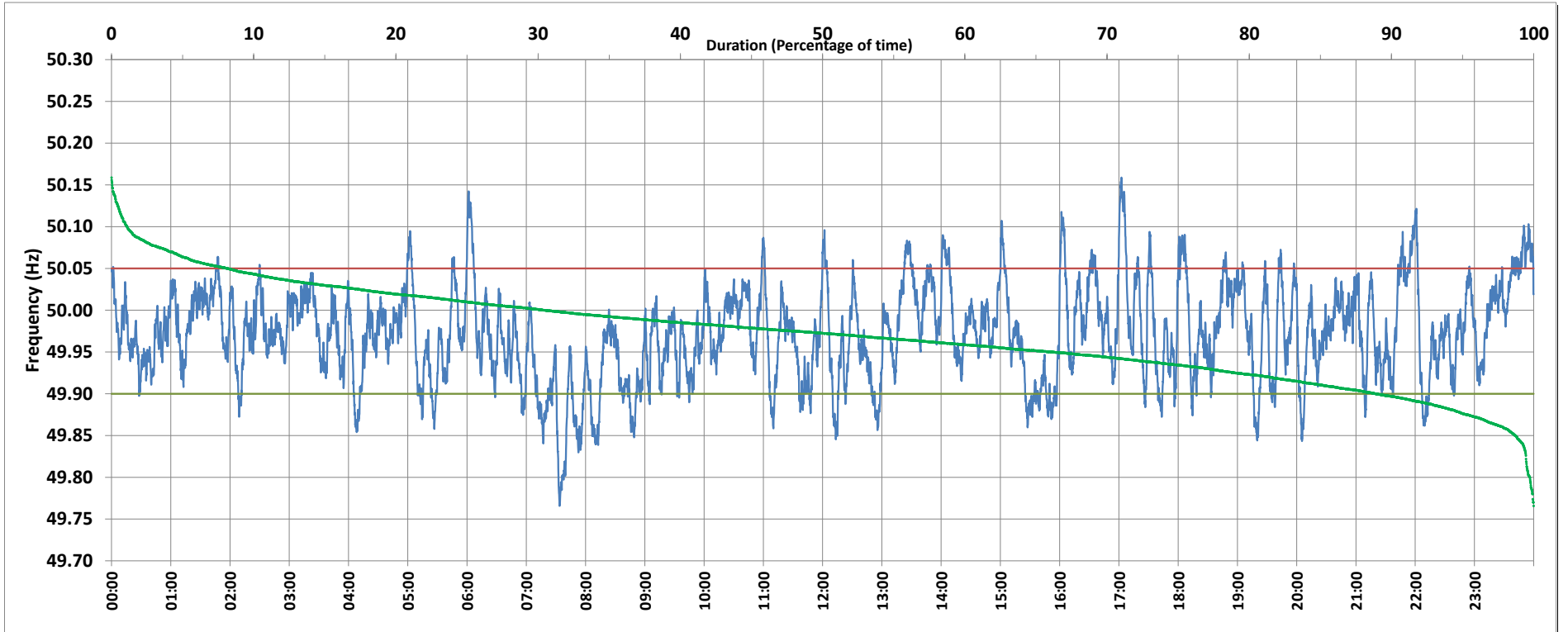


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 09-Dec-2018 (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	11.10	47.92	0.27	10.83	58.40	29.40	1.10	80.73	100.00	37.19	7.11	30.46	14.90	8.17	0.00	33.77	58.06	22.67

Average Frequency : 49.972	Frequency Variation Index : 0.0402	Standard Deviation : 0.0567	Mileage: 46.9	FDI: 19.3
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.159	17:02:30
Min	49.766	7:33:40

15 minute Average Frequency		
Max	50.071	0:00:00
Min	49.844	7:45:00

No. of excursions	
above 50.03 Hz	109
below 49.97 Hz	178
above 50.00 Hz	149
below 50.00 Hz	146

Average time freq per excursion remains	
below 49.97	0:03:53
above 50.03	0:01:58

No. of hours freq outside 49.9-50.05 Hz	4:37:30
---	---------

Source : HISSAR:Frequency 10 Sec. (8640 samples)