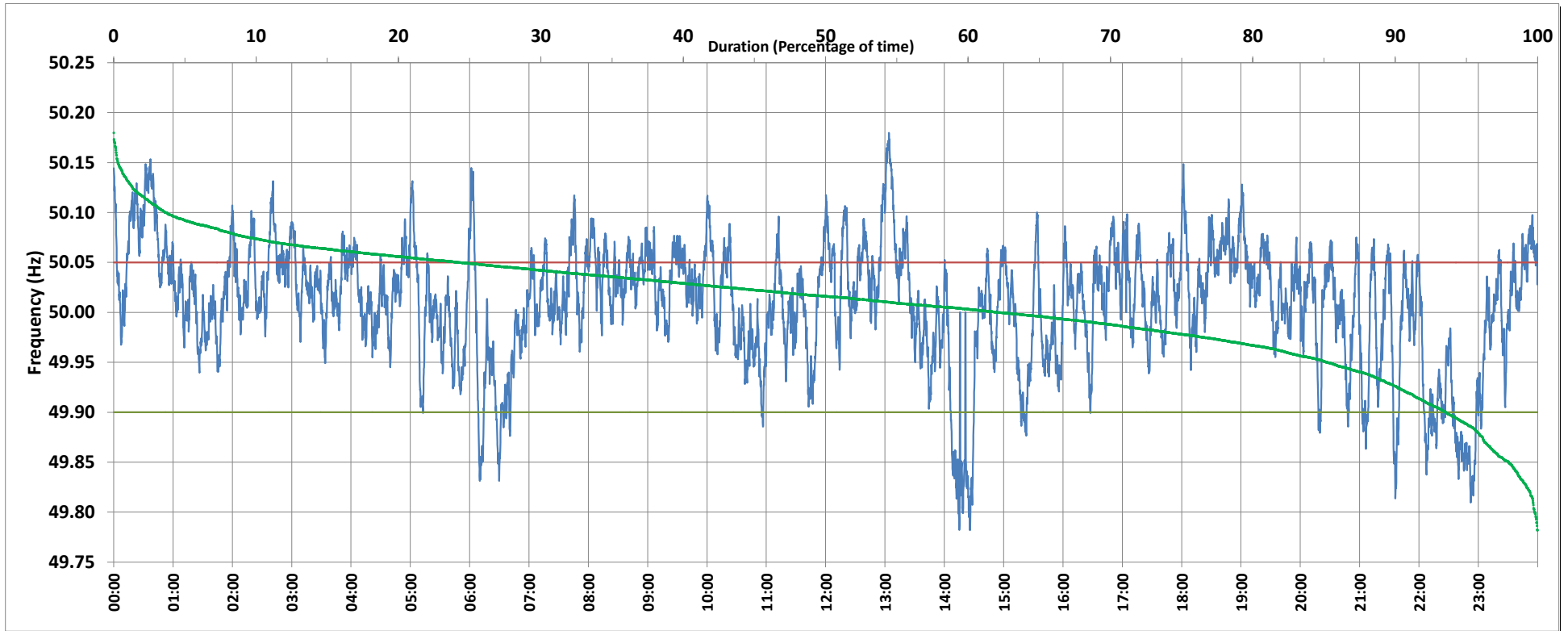


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-Nov-2019 (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	6.44	21.13	0.21	6.23	31.35	58.54	3.67	69.33	100.00	39.43	20.67	62.04	39.43	24.24	0.00	14.76	61.01	8.32

Average Frequency : 50.008	Frequency Variation Index : 0.0375	Standard Deviation : 0.0607	Mileage: 51.9	FDI: 30.7
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.180	13:04:00
Min	49.782	14:25:50

15 minute Average Frequency		
Max	50.119	0:45:00
Min	49.837	14:30:00

No. of excursions	
above 50.03 Hz	196
below 49.97 Hz	106
above 50.00 Hz	187
below 50.00 Hz	188

Average time freq per excursion remains	
below 49.97	0:02:52
above 50.03	0:02:54

No. of hours freq outside 49.9-50.05 Hz	7:21:40
---	---------

Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)