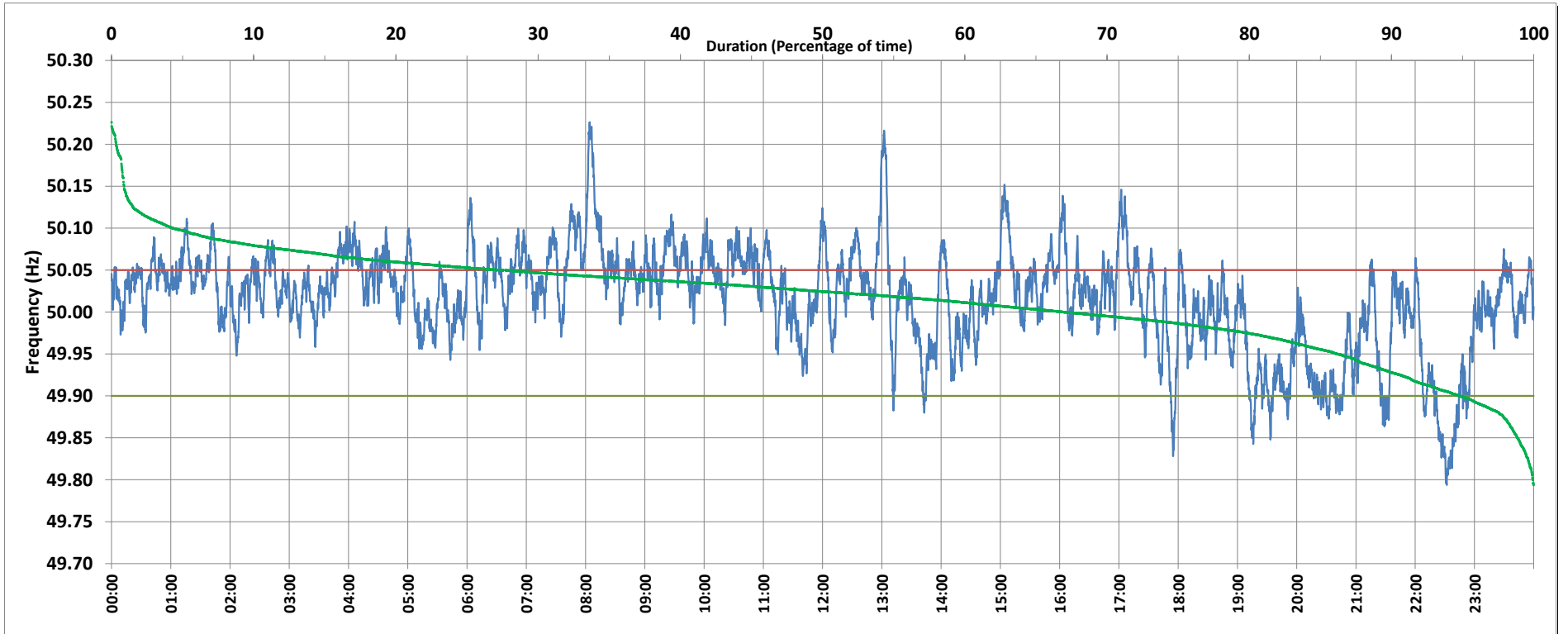


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 23-Apr-2019 (Tuesday)



<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	5.23	18.53	0.06	5.17	27.75	62.70	3.99	67.44	99.68	35.93	23.13	66.97	45.54	27.33	0.32	13.78	58.89	8.55

Average Frequency : 50.015	Frequency Variation Index : 0.0381	Standard Deviation : 0.0598	Mileage: 47.8	FDI: 32.6
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.226	8:04:00
Min	49.794	22:31:50

15 minute Average Frequency		
Max	50.149	8:15:00
Min	49.841	22:45:00

No. of excursions	
above 50.03 Hz	188
below 49.97 Hz	71
above 50.00 Hz	151
below 50.00 Hz	150

Average time freq per excursion remains	
below 49.97	0:03:45
above 50.03	0:03:29

No. of hours freq outside 49.9-50.05 Hz	7:48:50
---	---------

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