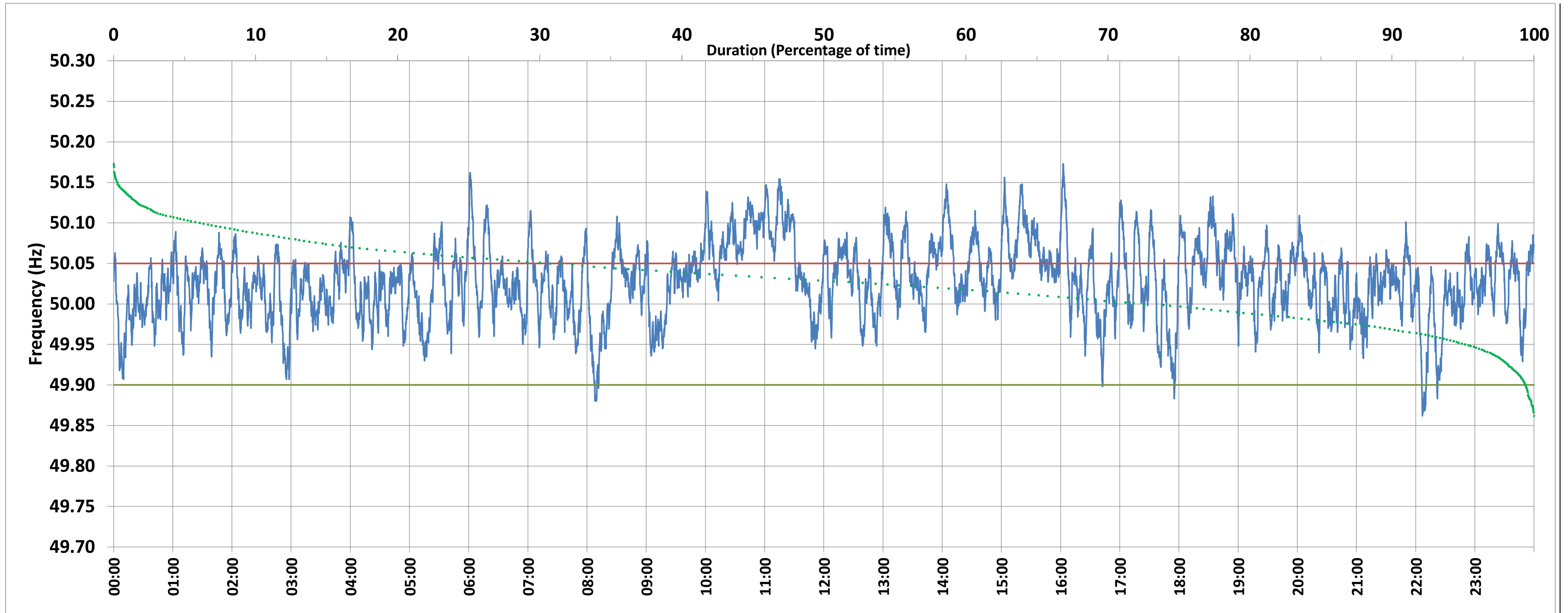


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 10-Dec-2020 (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	0.59	10.17	0.00	0.59	25.51	67.58	6.32	68.67	100.00	41.13	25.37	72.51	48.69	30.74	0.00	4.62	64.64	4.03

Average Frequency : 50.028	Frequency Variation Index : 0.0291	Standard Deviation : 0.0464	Mileage: 50.6	FDI: 31.3
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.173	16:02:30
Min	49.862	22:06:50

15 minute Average Frequency		
Max	50.108	11:30:00
Min	49.942	8:15:00

No. of excursions	
above 50.03 Hz	219
below 49.97 Hz	88
above 50.00 Hz	110
below 50.00 Hz	126

Average time freq per excursion remains	
below 49.97	0:01:40
above 50.03	0:03:12

No. of hours freq outside 49.9-50.05 Hz	7:31:10
---	---------

Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)