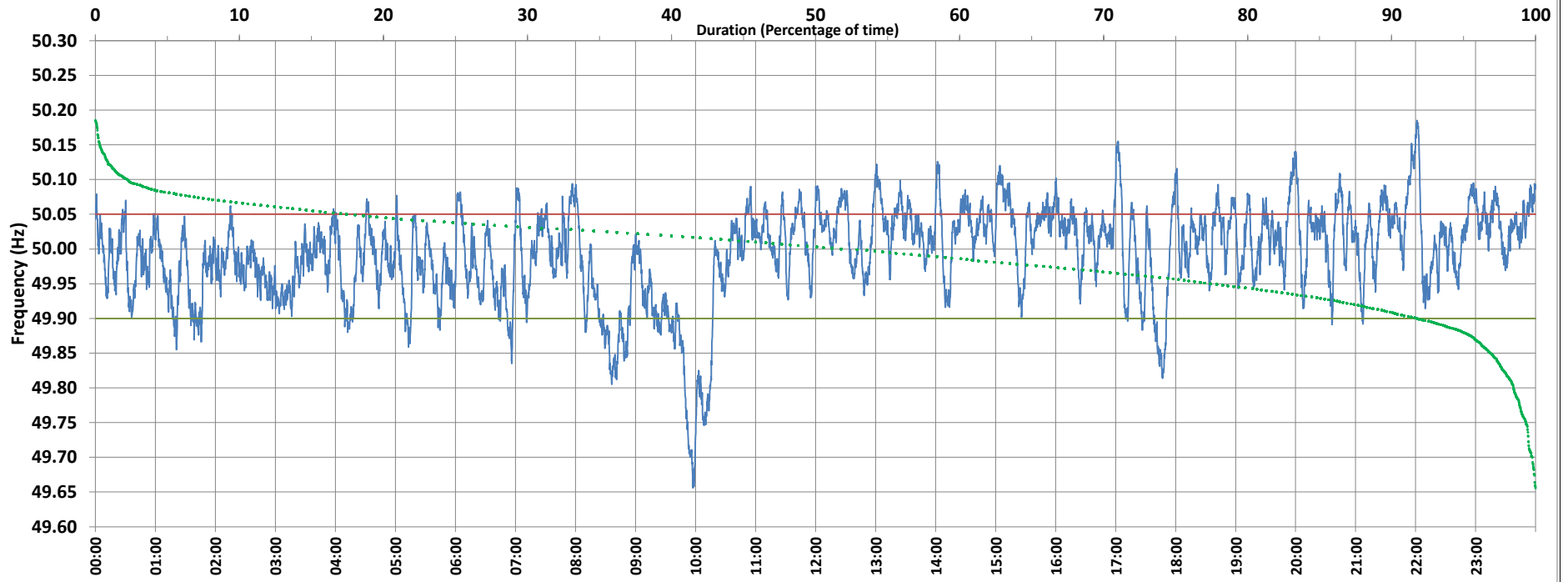


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 16-Dec-2020 (Wednesday)



<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
0.21	8.09	30.89	1.33	6.55	39.03	50.61	2.27	74.49	99.79	38.15	15.80	51.78	30.96	17.42	0.00	22.15	60.43	14.06

Average Frequency : 49.994	Frequency Variation Index : 0.0455	Standard Deviation : 0.0672	Mileage: 51.5	FDI: 25.5
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.185	22:01:10
Min	49.656	9:57:20

15 minute Average Frequency		
Max	50.085	15:15:00
Min	49.755	10:00:00

No. of excursions	
above 50.03 Hz	169
below 49.97 Hz	114
above 50.00 Hz	120
below 50.00 Hz	118

Average time freq per excursion remains	
below 49.97	0:03:54
above 50.03	0:02:38

No. of hours freq outside 49.9-50.05 Hz	6:07:20
---	---------

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