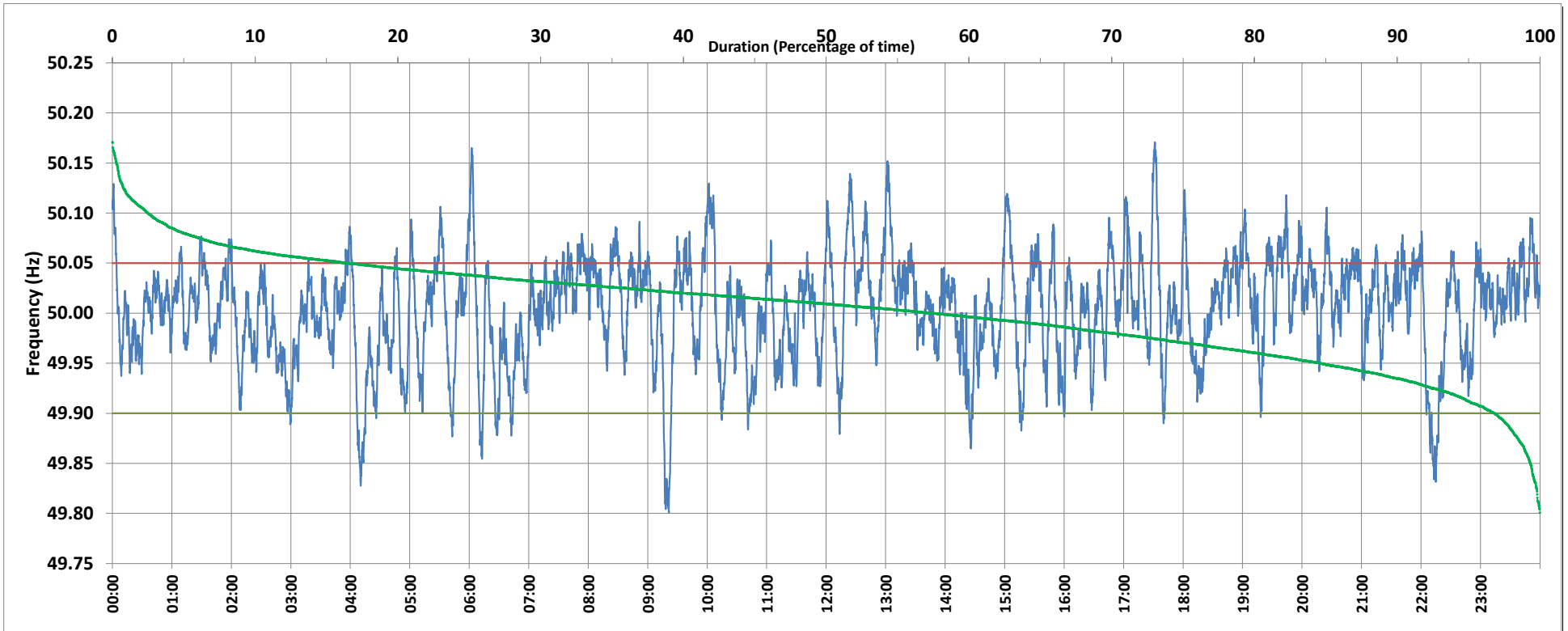


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Nov-2019 (Friday)



<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	3.17	24.55	0.00	3.17	39.25	55.08	2.50	80.41	100.00	44.02	13.98	57.38	31.44	16.42	0.00	15.35	68.23	12.18

Average Frequency : 50.003	Frequency Variation Index : 0.0273	Standard Deviation : 0.0521	Mileage: 50.7	FDI: 19.6
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.171	17:31:30
Min	49.801	9:21:10

15 minute Average Frequency		
Max	50.067	13:15:00
Min	49.911	9:30:00

No. of excursions	
above 50.03 Hz	212
below 49.97 Hz	126
above 50.00 Hz	180
below 50.00 Hz	178

Average time freq per excursion remains	
below 49.97	0:02:48
above 50.03	0:02:08

No. of hours freq outside 49.9-50.05 Hz	4:42:10
---	---------

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