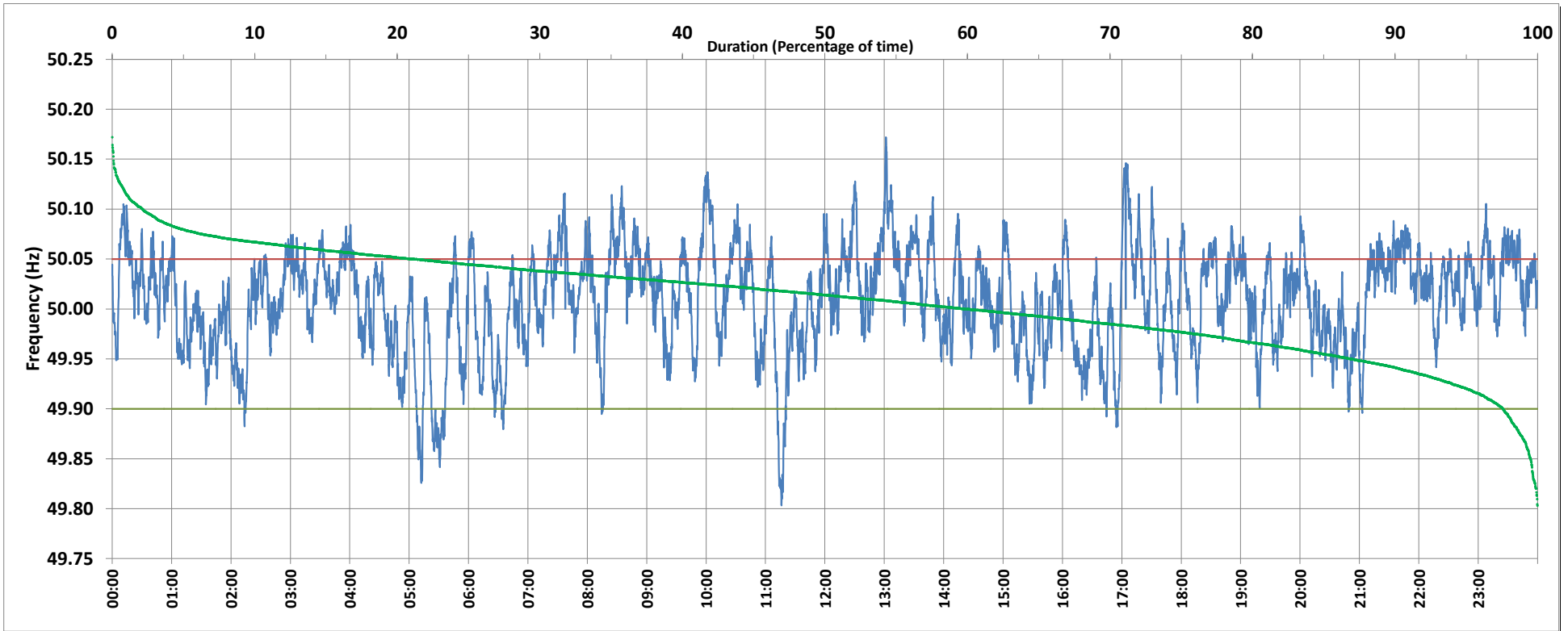


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Oct-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	2.43	21.55	0.00	2.43	37.60	57.81	2.15	76.47	100.00	41.37	19.04	59.80	37.08	21.10	0.00	13.08	65.82	10.65

Average Frequency : 50.009	Frequency Variation Index : 0.0264	Standard Deviation : 0.0507	Mileage: 53.8	FDI: 23.5
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.172	13:01:40
Min	49.803	11:16:00

15 minute Average Frequency		
Max	50.088	13:15:00
Min	49.922	11:30:00

No. of excursions	
above 50.03 Hz	227
below 49.97 Hz	118
above 50.00 Hz	191
below 50.00 Hz	191

Average time freq per excursion remains	
below 49.97	0:02:38
above 50.03	0:02:21

No. of hours freq outside 49.9-50.05 Hz	5:38:50
---	---------

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