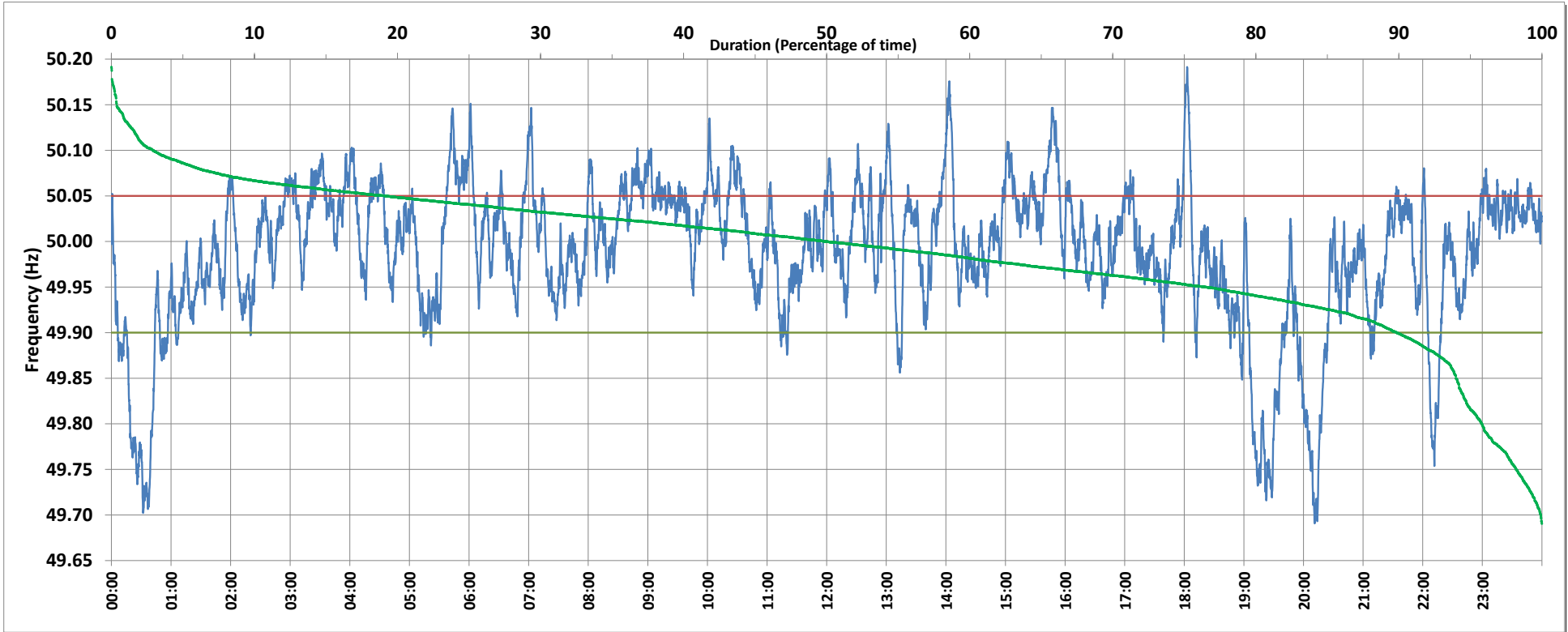


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Jul-2019 (Sunday)



<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
0.08	10.14	33.88	4.13	5.93	39.81	47.14	2.91	70.67	99.92	34.51	16.35	49.98	31.61	19.19	0.00	23.43	57.38	13.29

Average Frequency : 49.988	Frequency Variation Index : 0.0614	Standard Deviation : 0.0775	Mileage: 45.4	FDI: 29.3
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Instantaneous Frequency		
Max	50.191	18:02:50
Min	49.691	20:11:10

15 minute Average Frequency		
Max	50.076	6:00:00
Min	49.756	19:30:00

No. of excursions	
above 50.03 Hz	140
below 49.97 Hz	116
above 50.00 Hz	133
below 50.00 Hz	132

Average time freq per excursion remains	
below 49.97	0:04:12
above 50.03	0:03:15

No. of hours freq outside 49.9-50.05 Hz	7:02:20
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)