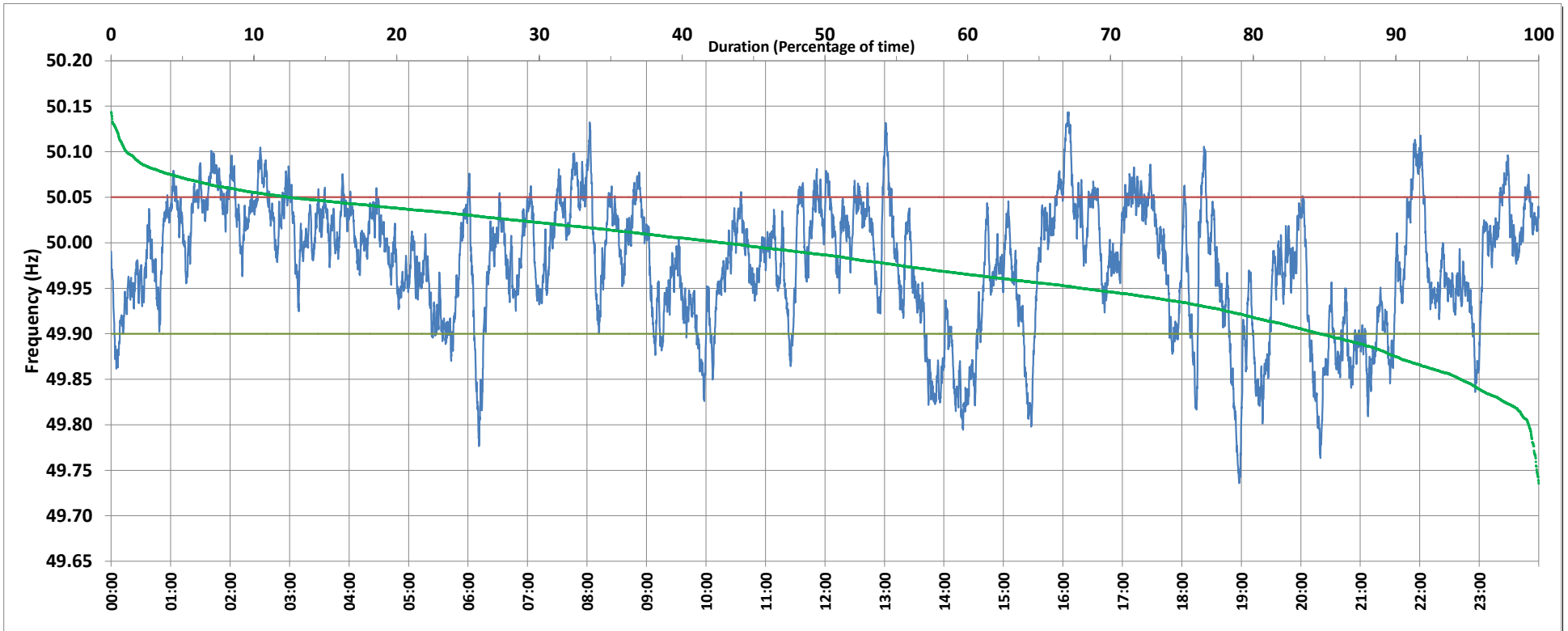


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Jul-2019 (Monday)



<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	15.31	42.36	0.72	14.59	41.81	41.81	1.08	72.25	100.00	32.31	11.40	42.82	25.32	12.44	0.00	32.00	55.56	16.69

Average Frequency : 49.977	Frequency Variation Index : 0.0530	Standard Deviation : 0.0691	Mileage: 45.3	FDI: 27.8
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Instantaneous Frequency		
Max	50.143	16:05:40
Min	49.736	18:57:40

15 minute Average Frequency		
Max	50.082	16:15:00
Min	49.833	19:00:00

No. of excursions	
above 50.03 Hz	134
below 49.97 Hz	117
above 50.00 Hz	123
below 50.00 Hz	122

Average time freq per excursion remains	
below 49.97	0:05:13
above 50.03	0:02:43

No. of hours freq outside 49.9-50.05 Hz	6:39:40
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Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)