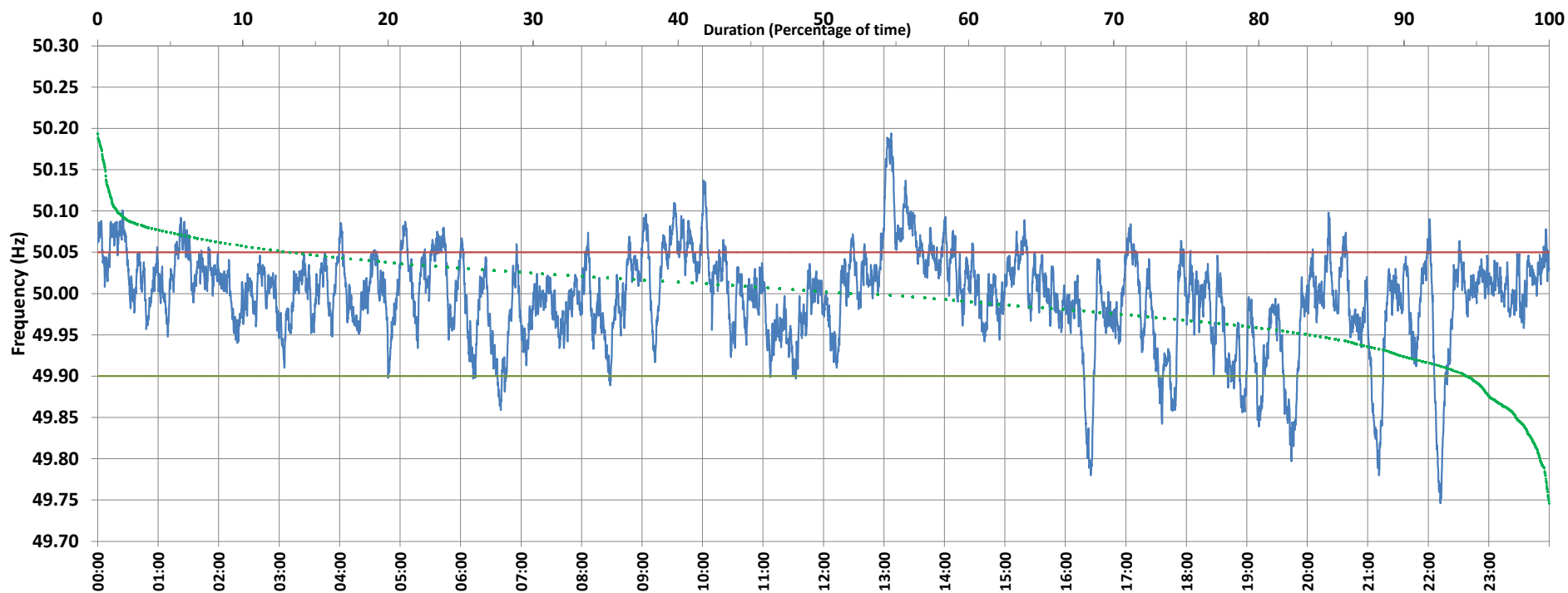


**POWER SYSTEM OPERATION CORPORATION LIMITED**

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Jul-2020 (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	5.58	25.82	0.63	4.95	40.69	52.37	1.35	81.18	100.00	48.62	12.37	51.86	25.56	13.24	0.00	16.12	70.64	10.54

Average Frequency : 49.996	Frequency Variation Index : 0.0321	Standard Deviation : 0.0565	Mileage: 46.5	FDI: 18.8
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Instantaneous Frequency		
Max	50.194	13:07:10
Min	49.746	22:12:10

15 minute Average Frequency		
Max	50.131	13:15:00
Min	49.857	21:15:00

No. of excursions	
above 50.03 Hz	147
below 49.97 Hz	113
above 50.00 Hz	134
below 50.00 Hz	126

Average time freq per excursion remains	
below 49.97	0:03:17
above 50.03	0:02:30

No. of hours freq outside 49.9-50.05 Hz	4:31:00
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Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)