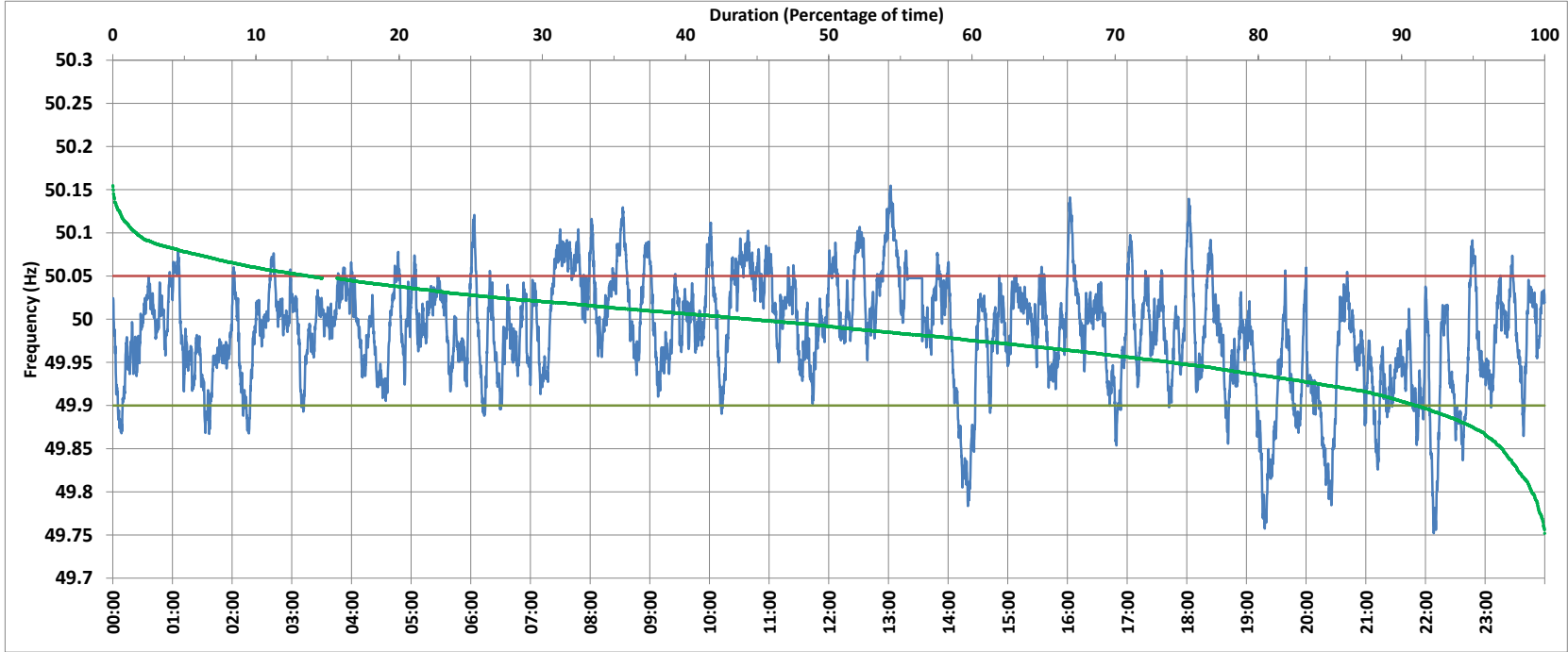


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 26-Jul-2017



<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
0.00	8.99	36.57	0.91	8.08	46.59	42.77	1.66	77.36	100.00	39.70	12.03	44.36	23.73	13.65	0.00

Average Frequency :	49.985	Frequency Variation Index :	0.041	Standard Deviation :	0.063
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Instantaneous Frequency		
Max	50.155	13:02:10
Min	49.752	22:08:20

15 minute Average Frequency		
Max	50.080	13:15:00
Min	49.819	19:30:00

No. of excursions above 50.03 Hz	129
No. of excursions below 49.97 Hz	133
No. of excursions above 50.00 Hz	159
No. of excursions below 50.00 Hz	159

Average time freq remains below 49.97 per excursion	0:03:58	Average time frequency remains above 50.03 per excursion	0:02:39
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