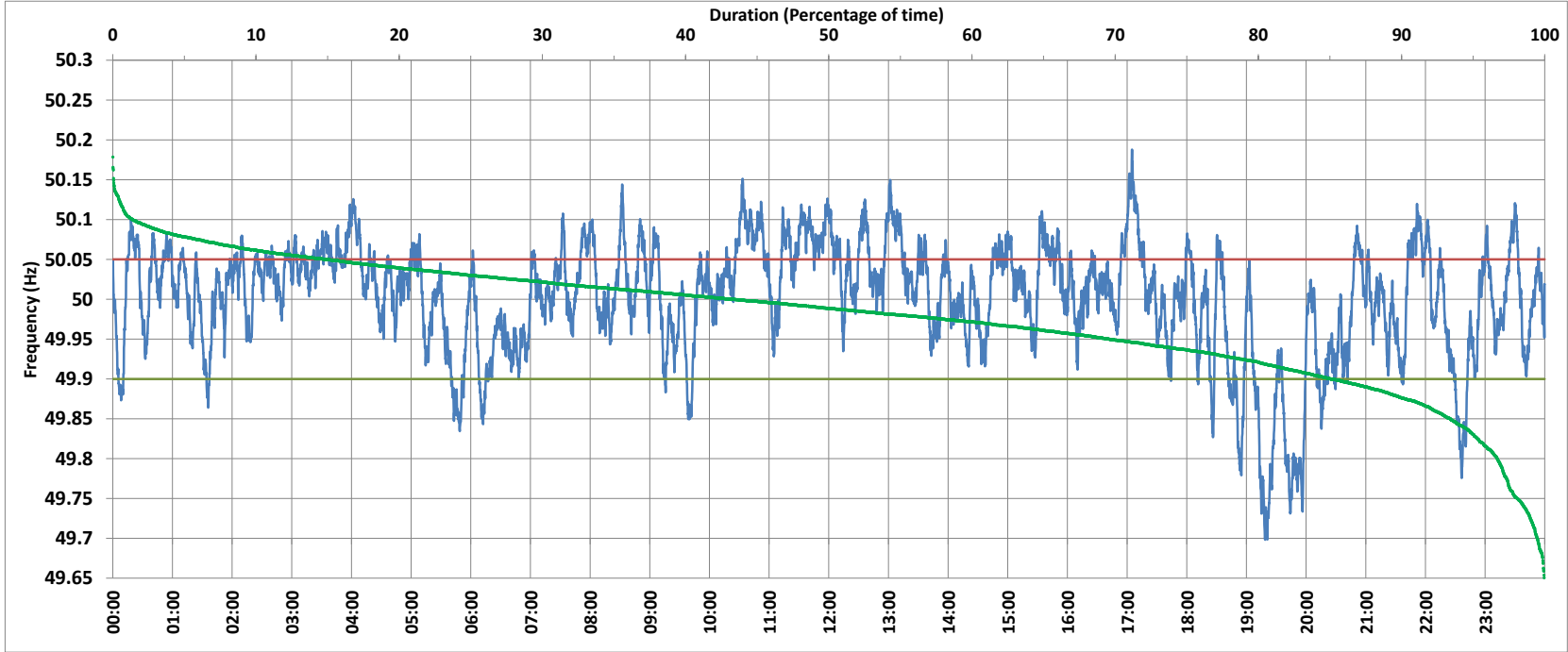


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 19-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
0.03	8.39	27.40	2.21	6.15	33.55	54.21	3.84	66.11	99.97	33.90	21.75	58.01	38.70	25.50	0.00

Average Frequency :	50.001	Frequency Variation Index :	0.051	Standard Deviation :	0.072
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Instantaneous Frequency		
Max	50.188	17:04:50
Min	49.698	19:18:40

15 minute Average Frequency		
Max	50.113	17:15:00
Min	49.772	19:30:00

No. of excursions above 50.03 Hz	166
No. of excursions below 49.97 Hz	98
No. of excursions above 50.00 Hz	152
No. of excursions below 50.00 Hz	151

Average time freq remains below 49.97 per excursion	0:04:02	Average time frequency remains above 50.03 per excursion	0:03:21
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