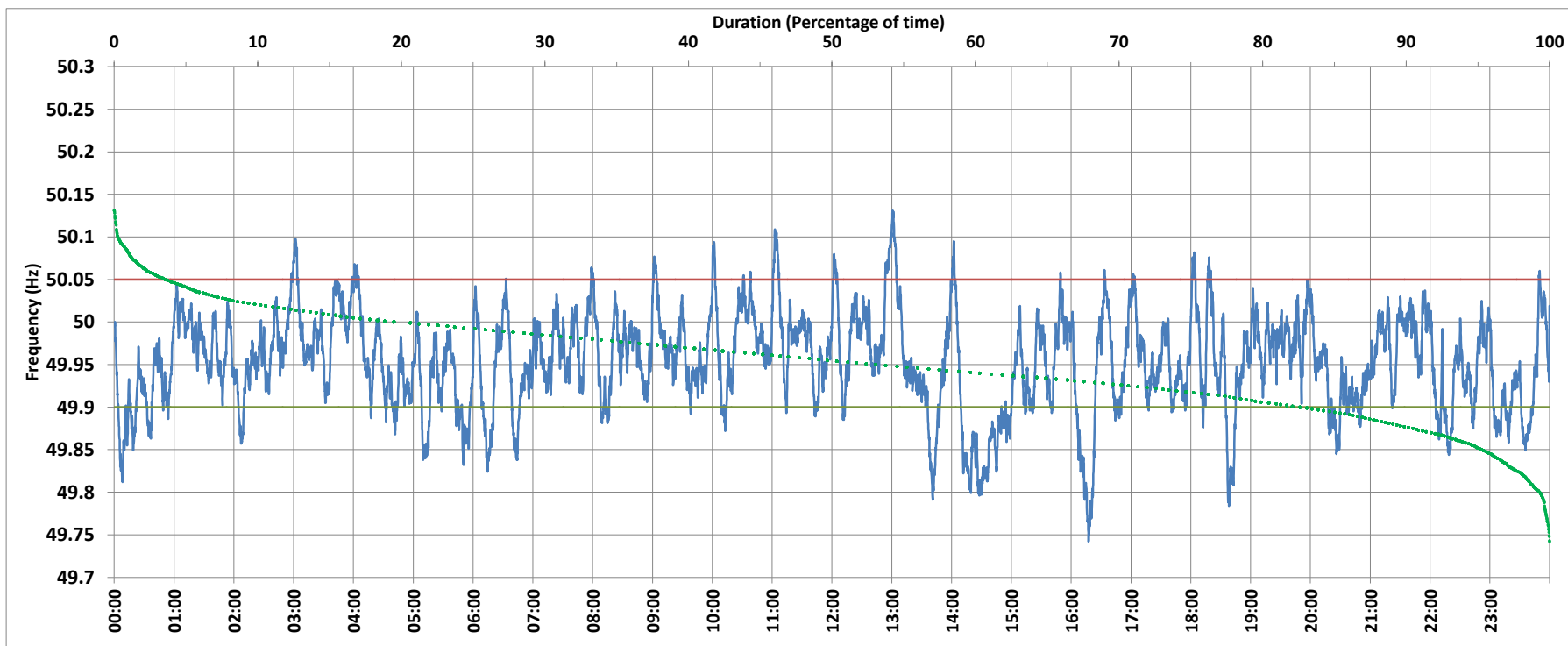


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 15/Sep/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	16.91	59.58	0.65	16.26	62.47	20.35	0.28	79.55	100.00	33.45	3.45	19.47	6.97	3.54	0.00

Average Frequency :	49.953	Frequency Variation Index :	0.055	Standard Deviation :	0.057
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Instantaneous Frequency	
Max	50.131 13:00:50
Min	49.742 16:17:20

15 minute Average Frequency	
Max	50.027 13:15:00
Min	49.830 14:30:00

No. of excursions above 50.03 Hz	43
No. of excursions below 49.97 Hz	130
No. of excursions above 50.00 Hz	100
No. of excursions below 50.00 Hz	107

Average time freq remains below 49.97 per excursion	0:06:36	Average time frequency remains above 50.03 per excursion	0:02:20
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