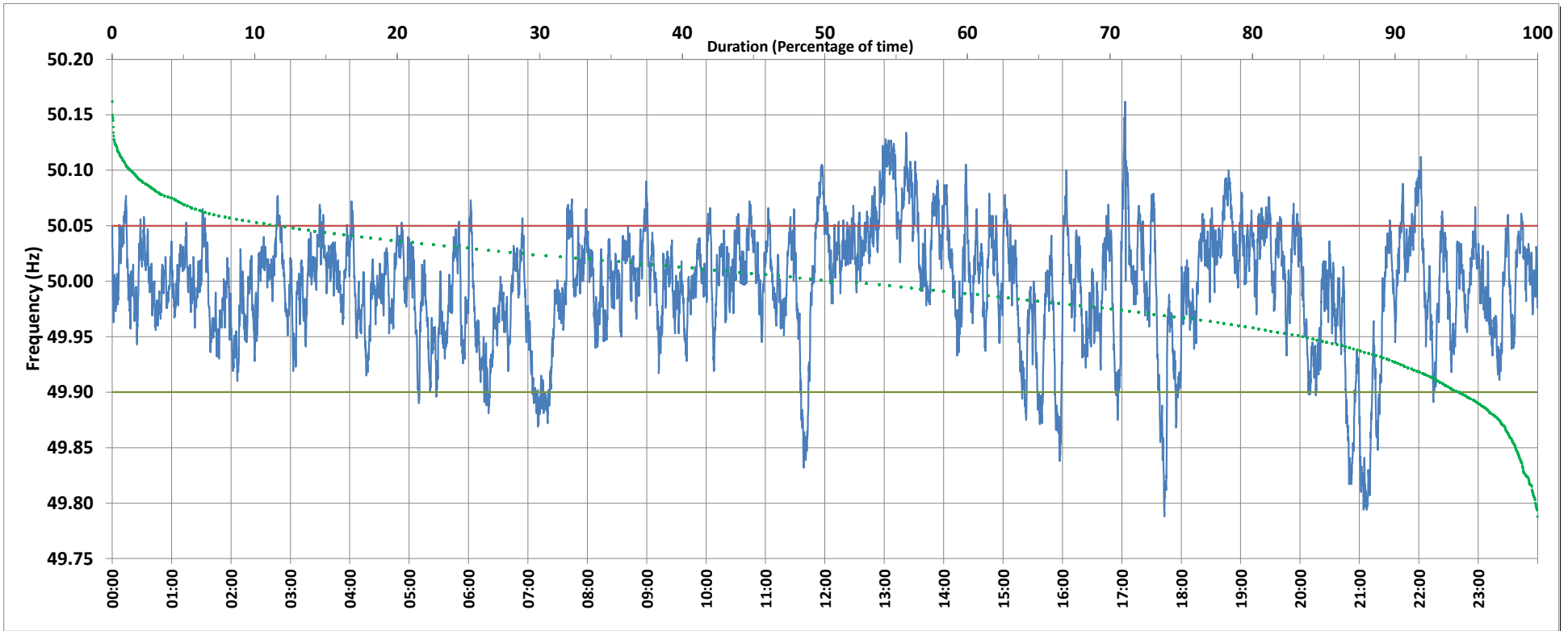


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 31-Oct-2019 (Thursday)



<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	5.42	26.19	0.13	5.29	42.37	50.83	1.38	83.08	100.00	48.90	10.83	50.49	24.91	11.50	0.00	16.17	72.33	10.75

Average Frequency : 49.996	Frequency Variation Index : 0.0277	Standard Deviation : 0.0525	Mileage: 55.9	FDI: 16.9
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Instantaneous Frequency		
Max	50.162	17:03:10
Min	49.788	17:42:50

15 minute Average Frequency		
Max	50.098	13:15:00
Min	49.843	21:15:00

No. of excursions	
above 50.03 Hz	200
below 49.97 Hz	146
above 50.00 Hz	180
below 50.00 Hz	174

Average time freq per excursion remains	
below 49.97	0:02:35
above 50.03	0:01:48

No. of hours freq outside 49.9-50.05 Hz	4:03:40
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Source : BALLIA:Frequency 10 Sec. (8640 samples)