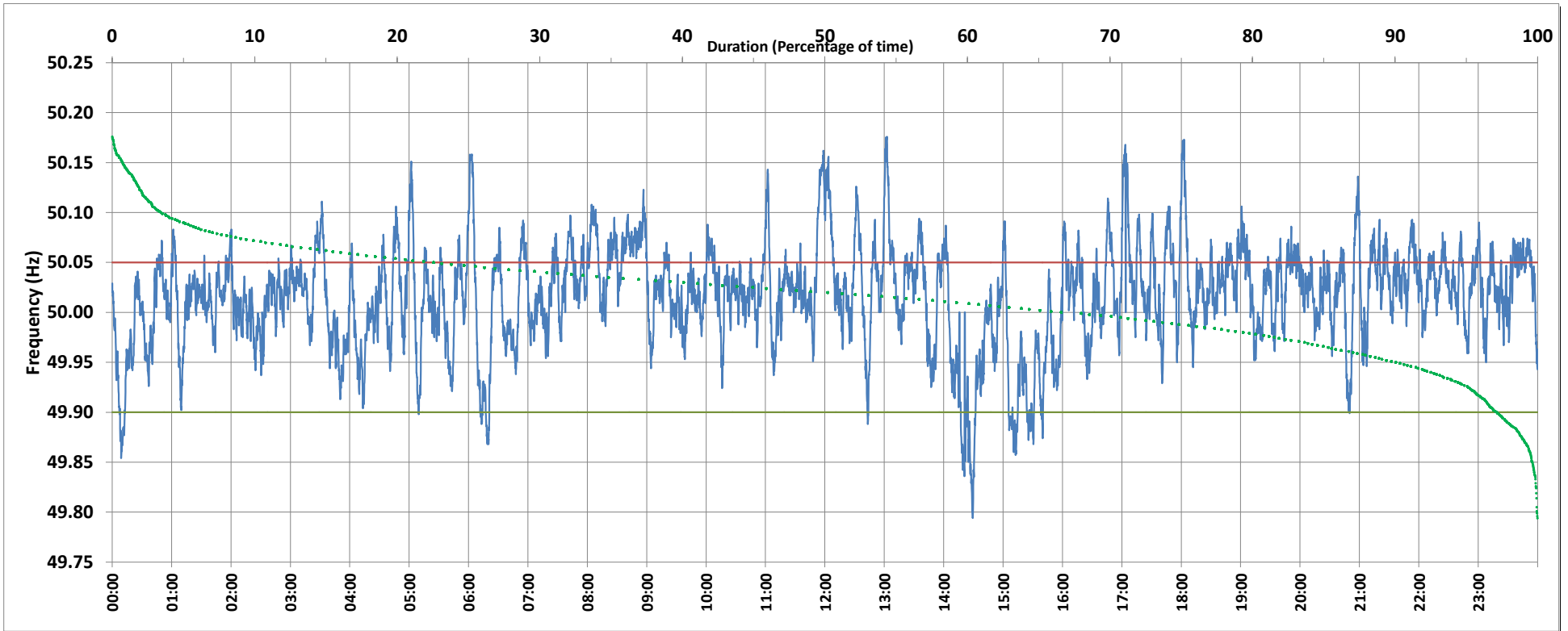


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 13-Nov-2019 (Wednesday)



<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	2.81	16.12	0.05	2.77	29.20	64.47	3.52	74.64	100.00	43.78	19.71	66.59	40.09	22.55	0.00	9.65	67.80	6.84

Average Frequency : 50.016	Frequency Variation Index : 0.0284	Standard Deviation : 0.0509	Mileage: 53.2	FDI: 25.4
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Instantaneous Frequency		
Max	50.176	13:02:40
Min	49.794	14:29:20

15 minute Average Frequency		
Max	50.079	9:00:00
Min	49.878	14:30:00

No. of excursions	
above 50.03 Hz	215
below 49.97 Hz	92
above 50.00 Hz	124
below 50.00 Hz	131

Average time freq per excursion remains	
below 49.97	0:02:31
above 50.03	0:02:41

No. of hours freq outside 49.9-50.05 Hz	6:05:10
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Source : BALLIA:Frequency 10 Sec. (8640 samples)