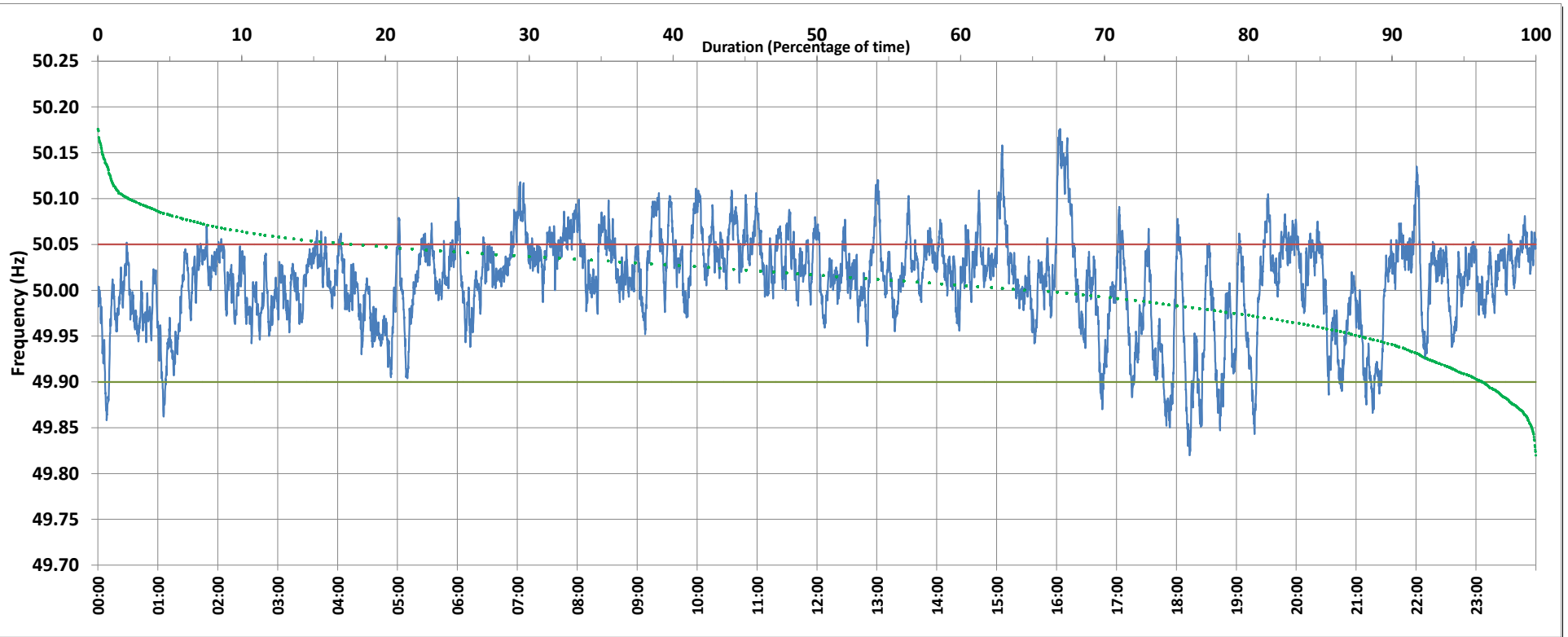


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Sep-2019 (Sunday)



<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	3.61	18.39	0.00	3.61	30.31	63.83	2.25	78.82	100.00	44.26	16.30	64.42	37.35	17.57	0.00	12.00	70.43	8.39

Average Frequency : 50.010	Frequency Variation Index : 0.0265	Standard Deviation : 0.0507	Mileage: 46.9	FDI: 21.2
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Instantaneous Frequency		
Max	50.176	16:03:20
Min	49.820	18:13:10

15 minute Average Frequency		
Max	50.132	16:15:00
Min	49.905	18:00:00

No. of excursions	
above 50.03 Hz	183
below 49.97 Hz	68
above 50.00 Hz	113
below 50.00 Hz	102

Average time freq per excursion remains	
below 49.97	0:03:54
above 50.03	0:02:56

No. of hours freq outside 49.9-50.05 Hz	5:05:00
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Source : BALLIA:Frequency 10 Sec. (8640 samples)