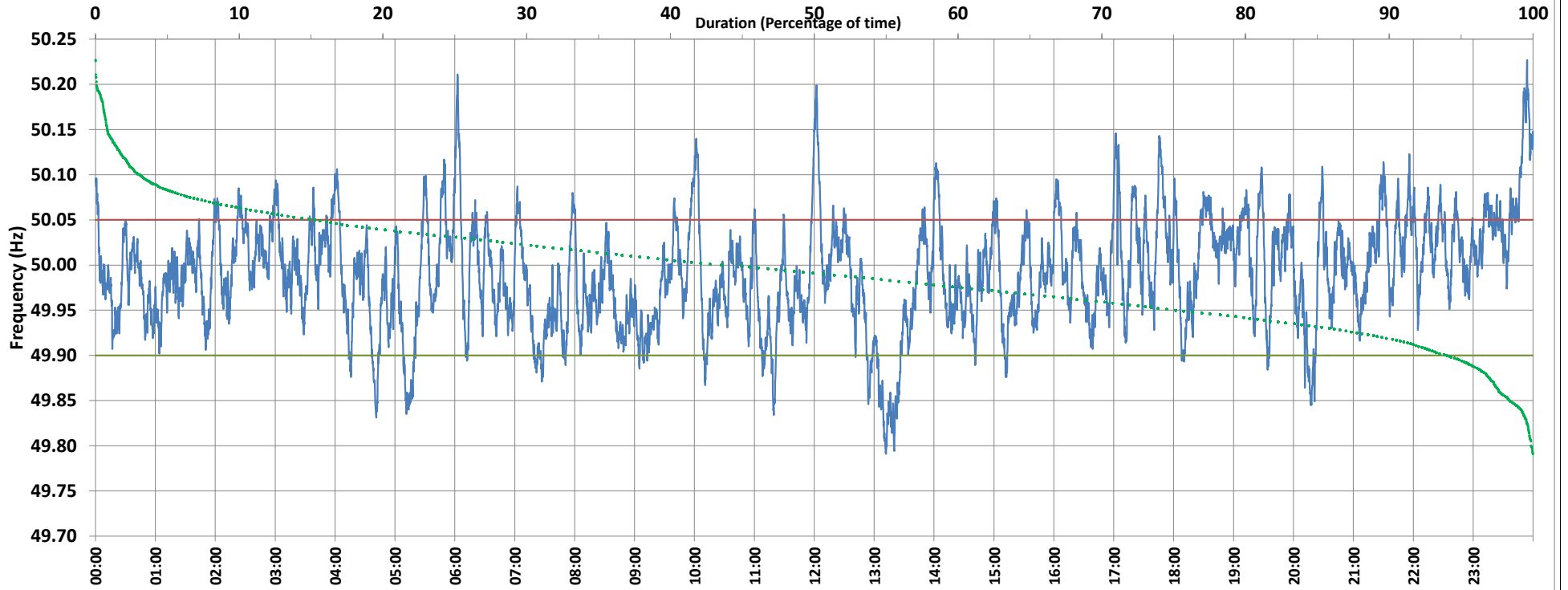


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-Jan-2020 (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	5.81	36.01	0.12	5.69	49.25	41.81	3.06	78.95	99.92	38.31	12.53	43.52	25.68	15.24	0.08	24.29	60.46	18.48

Average Frequency : 49.991	Frequency Variation Index : 0.0368	Standard Deviation : 0.0600	Mileage: 53.0	FDI: 21.1
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Instantaneous Frequency		
Max	50.227	23:54:00
Min	49.791	13:11:50

15 minute Average Frequency		
Max	50.144	0:00:00
Min	49.855	13:15:00

No. of excursions	
above 50.03 Hz	134
below 49.97 Hz	143
above 50.00 Hz	129
below 50.00 Hz	122

Average time freq per excursion remains	
below 49.97	0:03:38
above 50.03	0:02:46

No. of hours freq outside 49.9-50.05 Hz	5:03:10
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Source : BALLIA:Frequency 10 Sec. (8640 samples)