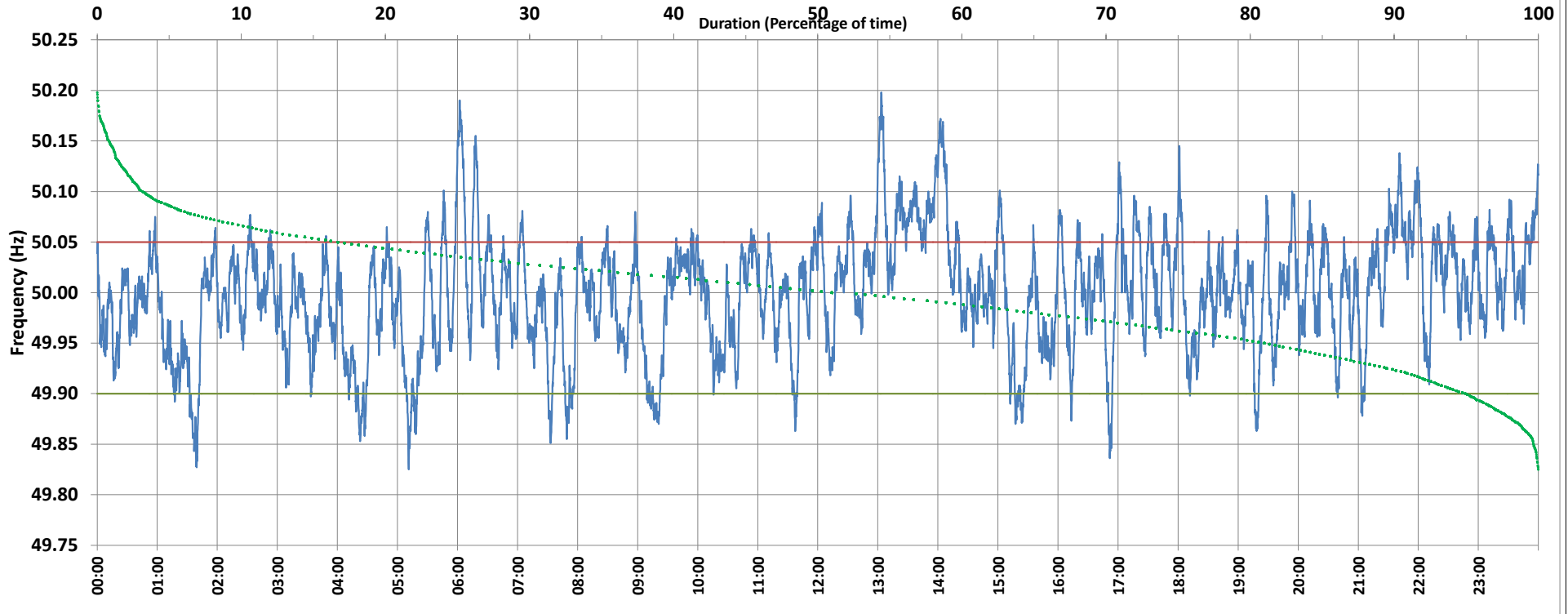


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Dec-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	4.94	28.60	0.00	4.94	42.40	49.40	3.26	78.37	100.00	42.80	14.00	50.97	28.60	16.69	0.00	18.67	64.64	13.73

Average Frequency : 49.999	Frequency Variation Index : 0.0322	Standard Deviation : 0.0567	Mileage: 51.0	FDI: 21.6
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Instantaneous Frequency		
Max	50.198	13:03:20
Min	49.825	5:11:10

15 minute Average Frequency		
Max	50.098	14:15:00
Min	49.895	4:30:00

No. of excursions	
above 50.03 Hz	158
below 49.97 Hz	117
above 50.00 Hz	141
below 50.00 Hz	129

Average time freq per excursion remains	
below 49.97	0:03:31
above 50.03	0:02:36

No. of hours freq outside 49.9-50.05 Hz	5:11:30
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Source : BALLIA:Frequency 10 Sec. (8640 samples)