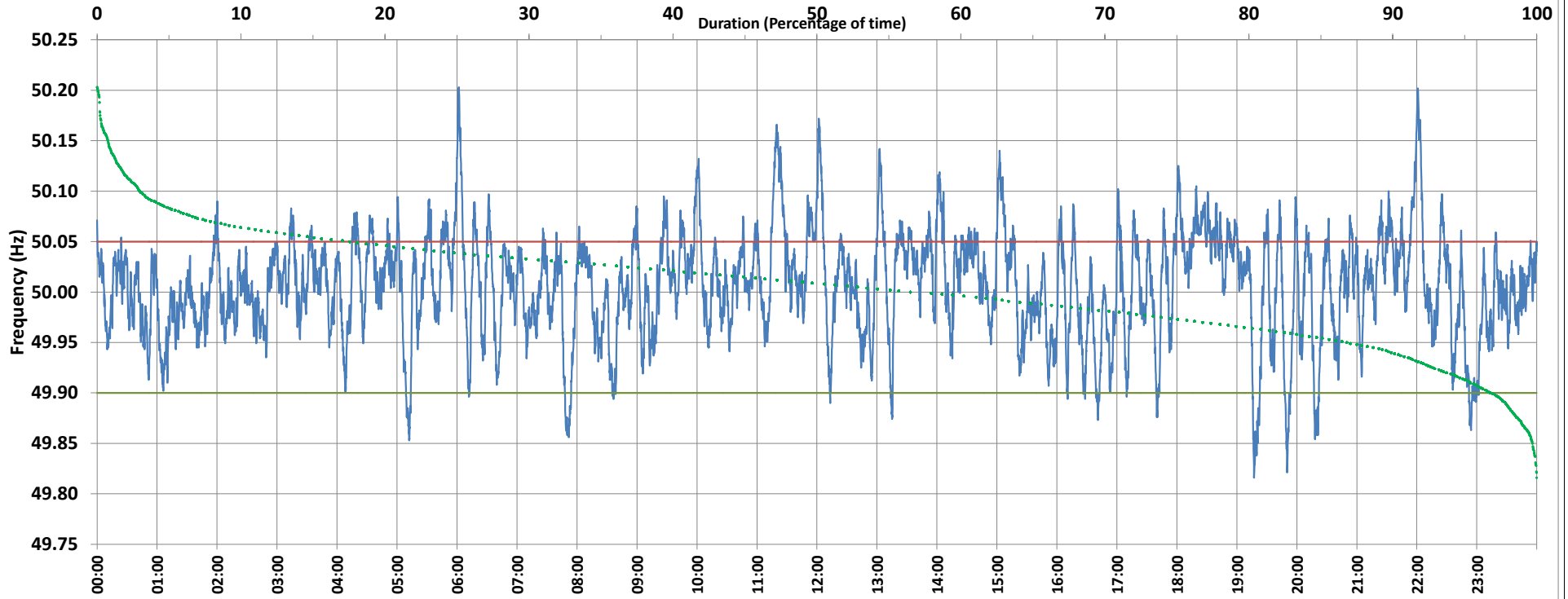


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Dec-2019 (Saturday)



<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	3.04	22.65	0.00	3.04	39.02	54.92	2.96	79.40	99.94	44.80	15.13	56.48	32.55	17.56	0.06	12.95	69.49	9.91

Average Frequency : 50.006	Frequency Variation Index : 0.0276	Standard Deviation : 0.0522	Mileage: 52.2	FDI: 20.6
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Instantaneous Frequency		
Max	50.203	6:01:40
Min	49.816	19:17:10

15 minute Average Frequency		
Max	50.106	11:30:00
Min	49.921	23:00:00

No. of excursions	
above 50.03 Hz	182
below 49.97 Hz	128
above 50.00 Hz	140
below 50.00 Hz	142

Average time freq per excursion remains	
below 49.97	0:02:33
above 50.03	0:02:35

No. of hours freq outside 49.9-50.05 Hz	4:56:40
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Source : BALLIA:Frequency 10 Sec. (8640 samples)