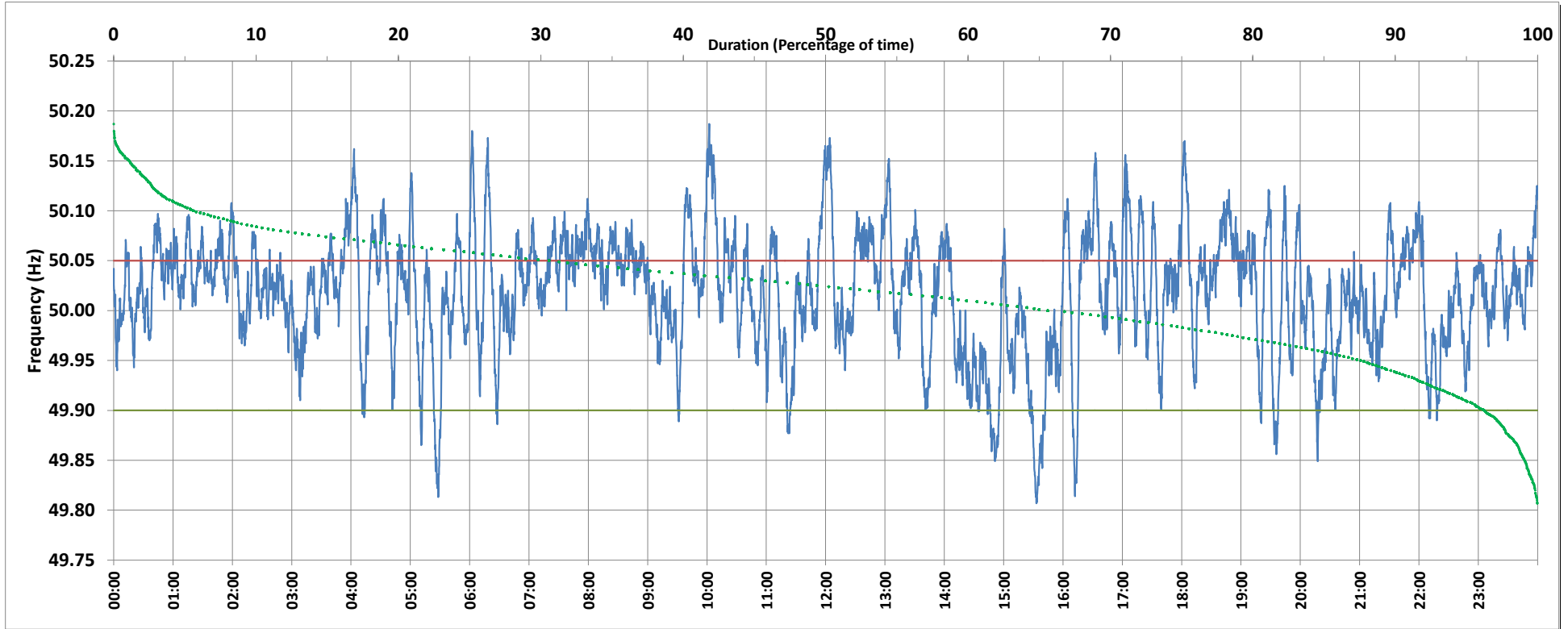


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Nov-2019 (Thursday)



<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	3.68	18.96	0.00	3.68	29.56	60.97	5.79	65.76	100.00	35.28	25.69	65.59	45.76	30.56	0.00	12.20	57.25	8.52

Average Frequency : 50.018	Frequency Variation Index : 0.0384	Standard Deviation : 0.0592	Mileage: 51.2	FDI: 34.2
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Instantaneous Frequency		
Max	50.187	10:02:10
Min	49.807	15:33:00

15 minute Average Frequency		
Max	50.099	10:15:00
Min	49.870	15:45:00

No. of excursions	
above 50.03 Hz	173
below 49.97 Hz	88
above 50.00 Hz	95
below 50.00 Hz	97

Average time freq per excursion remains	
below 49.97	0:03:06
above 50.03	0:03:49

No. of hours freq outside 49.9-50.05 Hz	8:13:00
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Source : BALLIA:Frequency 10 Sec. (8640 samples)