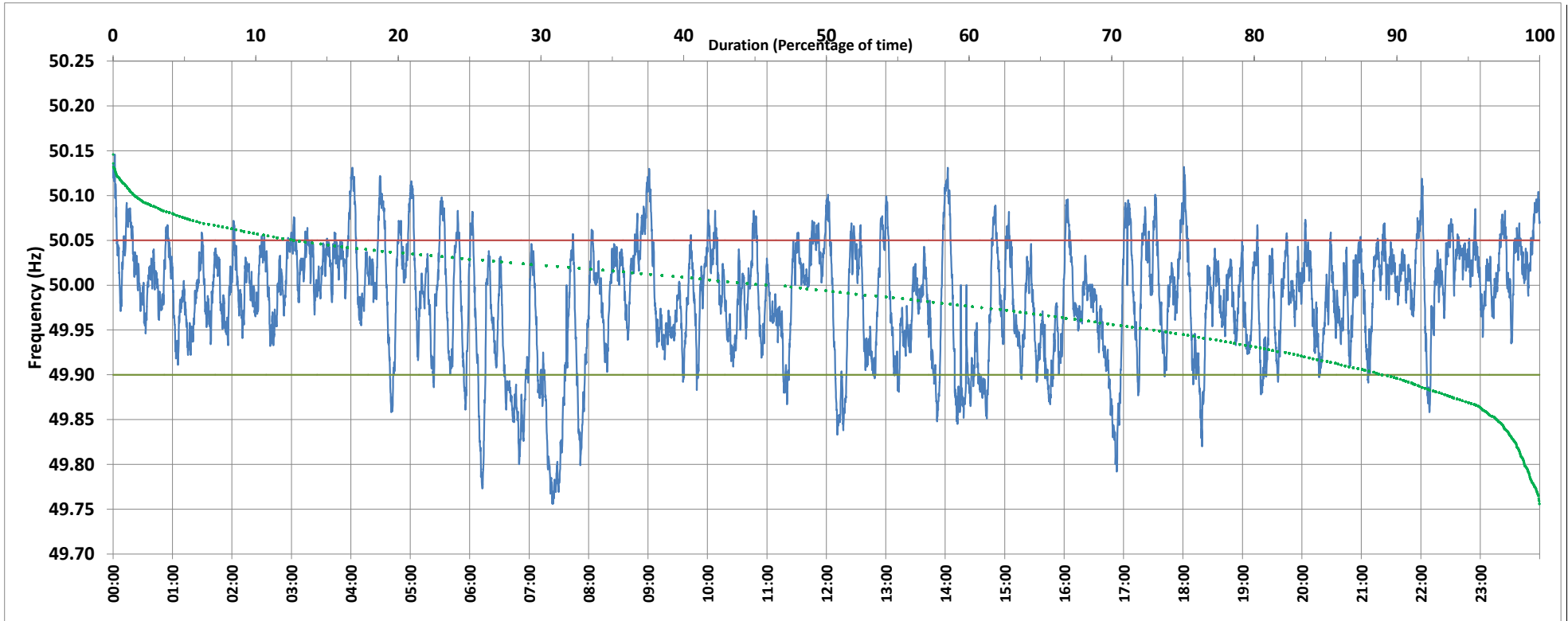


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 07-Jan-2020 (Tuesday)



<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	10.67	36.01	1.05	9.62	42.21	45.53	1.59	76.68	100.00	39.55	11.53	45.74	24.44	12.65	0.00	26.64	60.71	15.97

Average Frequency : 49.985	Frequency Variation Index : 0.0433	Standard Deviation : 0.0640	Mileage: 52.6	FDI: 23.3
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Instantaneous Frequency		
Max	50.146	0:01:40
Min	49.756	7:23:20

15 minute Average Frequency		
Max	50.059	9:00:00
Min	49.802	7:30:00

No. of excursions	
above 50.03 Hz	154
below 49.97 Hz	125
above 50.00 Hz	100
below 50.00 Hz	114

Average time freq per excursion remains	
below 49.97	0:04:09
above 50.03	0:02:17

No. of hours freq outside 49.9-50.05 Hz	5:35:50
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Source : BALLIA:Frequency 10 Sec. (8640 samples)