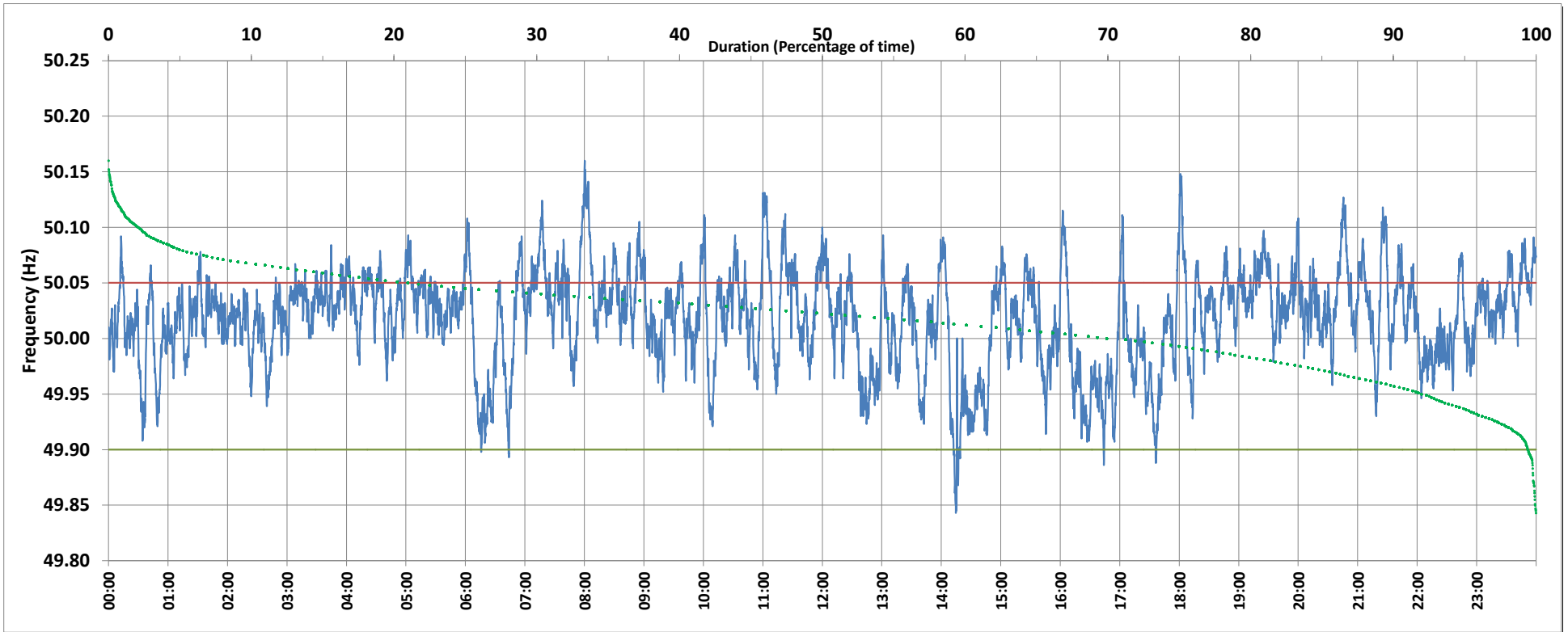


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 12-Oct-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	0.54	14.03	0.00	0.54	28.22	69.06	2.18	78.50	100.00	43.95	19.62	69.92	42.03	20.96	0.00	7.70	71.34	7.15

Average Frequency : 50.018	Frequency Variation Index : 0.0218	Standard Deviation : 0.0431	Mileage: 48.5	FDI: 21.5
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.160	8:00:10
Min	49.843	14:14:40

15 minute Average Frequency		
Max	50.069	8:15:00
Min	49.928	14:30:00

No. of excursions	
above 50.03 Hz	223
below 49.97 Hz	74
above 50.00 Hz	130
below 50.00 Hz	122

Average time freq per excursion remains	
below 49.97	0:02:44
above 50.03	0:02:43

No. of hours freq outside 49.9-50.05 Hz	5:09:40
---	---------

Source : BALLIA:Frequency 10 Sec. (8640 samples)