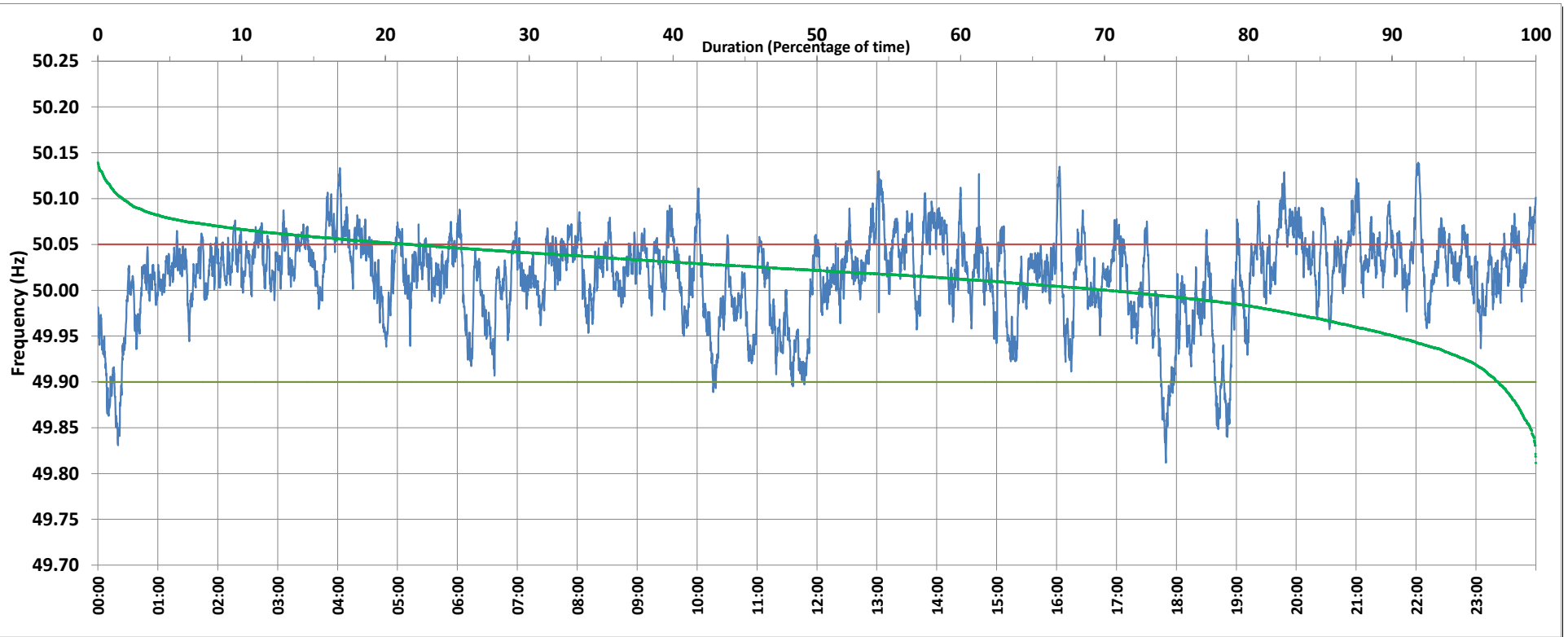


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 17-Sep-2019 (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	2.63	15.41	0.00	2.63	27.07	68.59	1.71	75.69	100.00	43.76	20.08	70.13	40.83	21.68	0.00	9.81	68.51	7.19

Average Frequency : 50.015	Frequency Variation Index : 0.0245	Standard Deviation : 0.0473	Mileage: 47.3	FDI: 24.3
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.139	22:02:00
Min	49.812	17:49:20

15 minute Average Frequency		
Max	50.080	20:00:00
Min	49.884	18:00:00

No. of excursions	
above 50.03 Hz	245
below 49.97 Hz	79
above 50.00 Hz	168
below 50.00 Hz	167

Average time freq per excursion remains	
below 49.97	0:02:48
above 50.03	0:02:24

No. of hours freq outside 49.9-50.05 Hz	5:50:00
---	---------

Source : MPPTCL BINA:Frequency 10 Sec. (8640 samples)