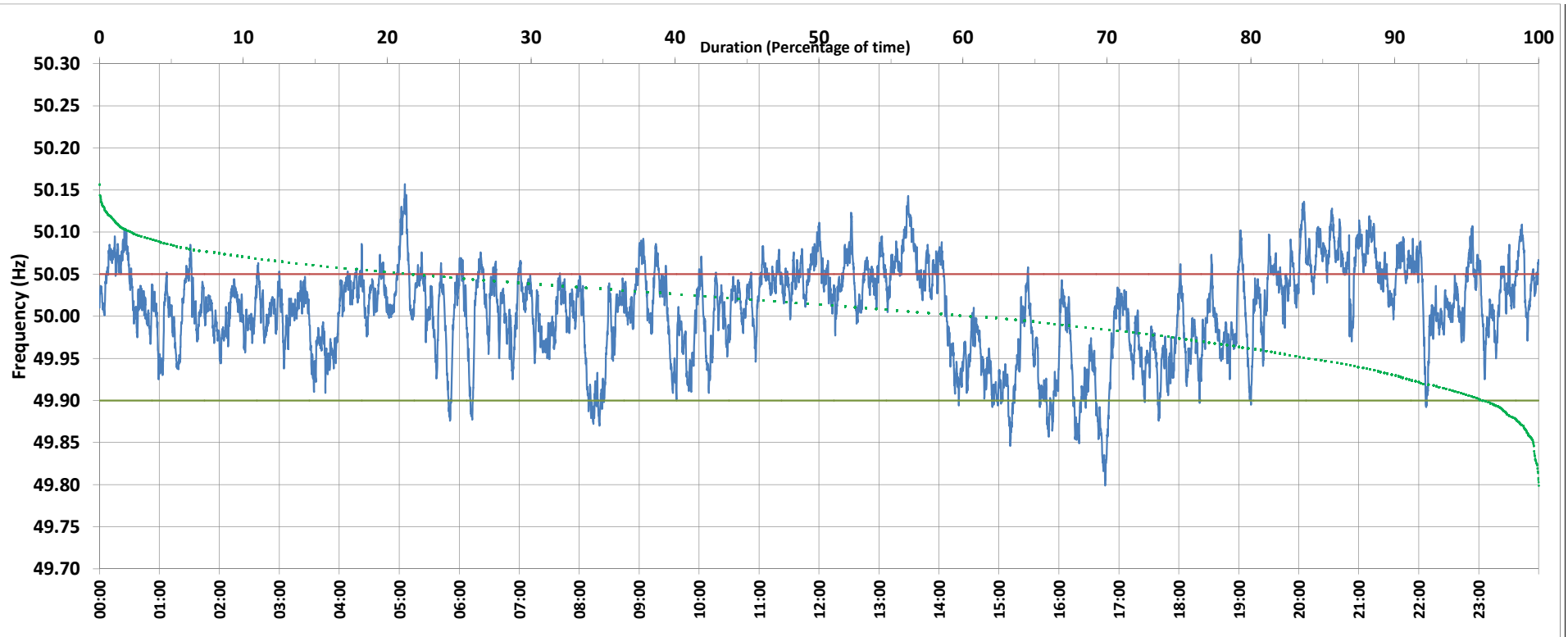


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Jul-2020 (Monday)



<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	3.70	22.92	0.01	3.69	34.69	59.31	2.30	74.53	100.00	39.92	20.32	60.50	37.16	21.77	0.00	15.52	62.71	11.82

Average Frequency : 50.008	Frequency Variation Index : 0.0299	Standard Deviation : 0.0542	Mileage: 45.5	FDI: 25.5
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.157	5:05:40
Min	49.799	16:46:10

15 minute Average Frequency		
Max	50.088	21:15:00
Min	49.894	16:30:00

No. of excursions	
above 50.03 Hz	148
below 49.97 Hz	85
above 50.00 Hz	107
below 50.00 Hz	108

Average time freq per excursion remains	
below 49.97	0:03:53
above 50.03	0:03:37

No. of hours freq outside 49.9-50.05 Hz	6:06:50
---	---------

Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)