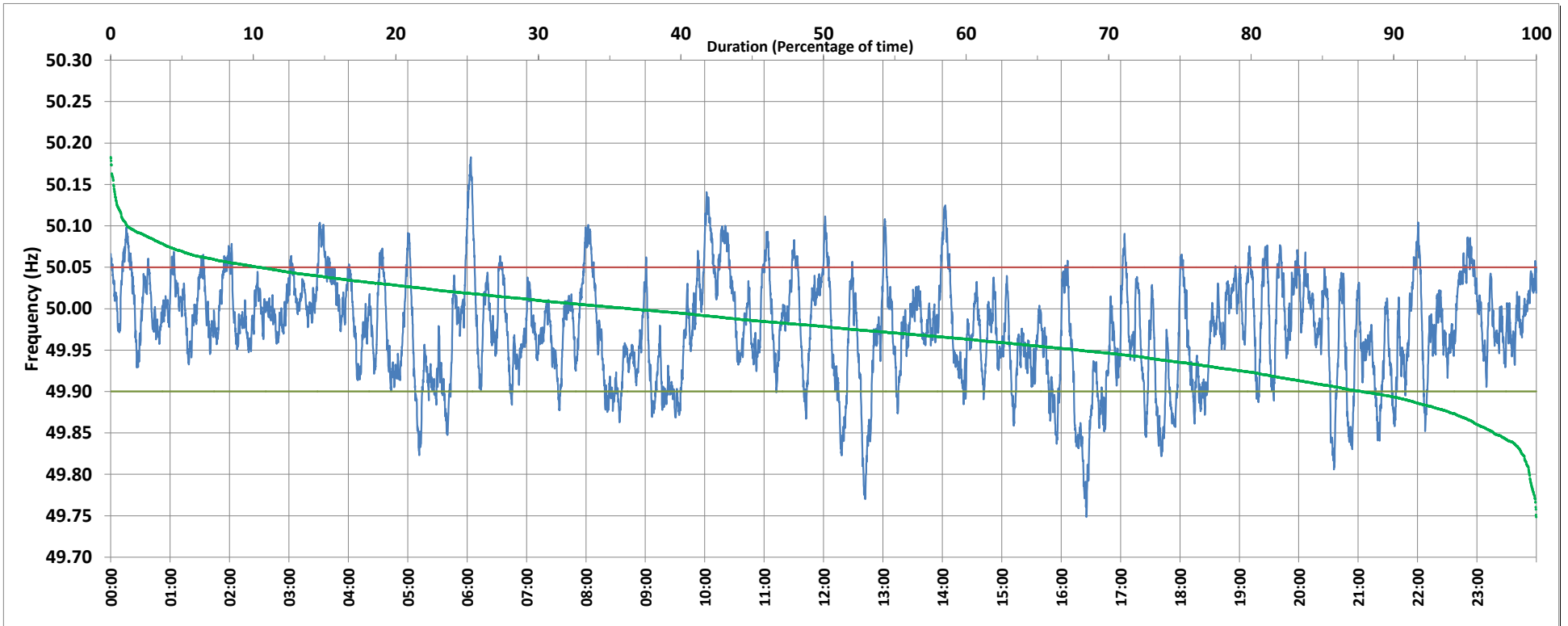


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Dec-2018 (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	12.22	44.35	0.49	11.74	51.32	35.30	1.16	77.33	100.00	36.55	9.34	36.42	19.10	10.45	0.00	32.01	57.53	19.79

Average Frequency : 49.975	Frequency Variation Index : 0.0443	Standard Deviation : 0.0618	Mileage: 47.9	FDI: 22.7
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.183	6:03:40
Min	49.749	16:25:30

15 minute Average Frequency		
Max	50.077	10:15:00
Min	49.821	16:30:00

No. of excursions	
above 50.03 Hz	123
below 49.97 Hz	158
above 50.00 Hz	157
below 50.00 Hz	156

Average time freq per excursion remains	
below 49.97	0:04:03
above 50.03	0:02:14

No. of hours freq outside 49.9-50.05 Hz	5:26:30
---	---------

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