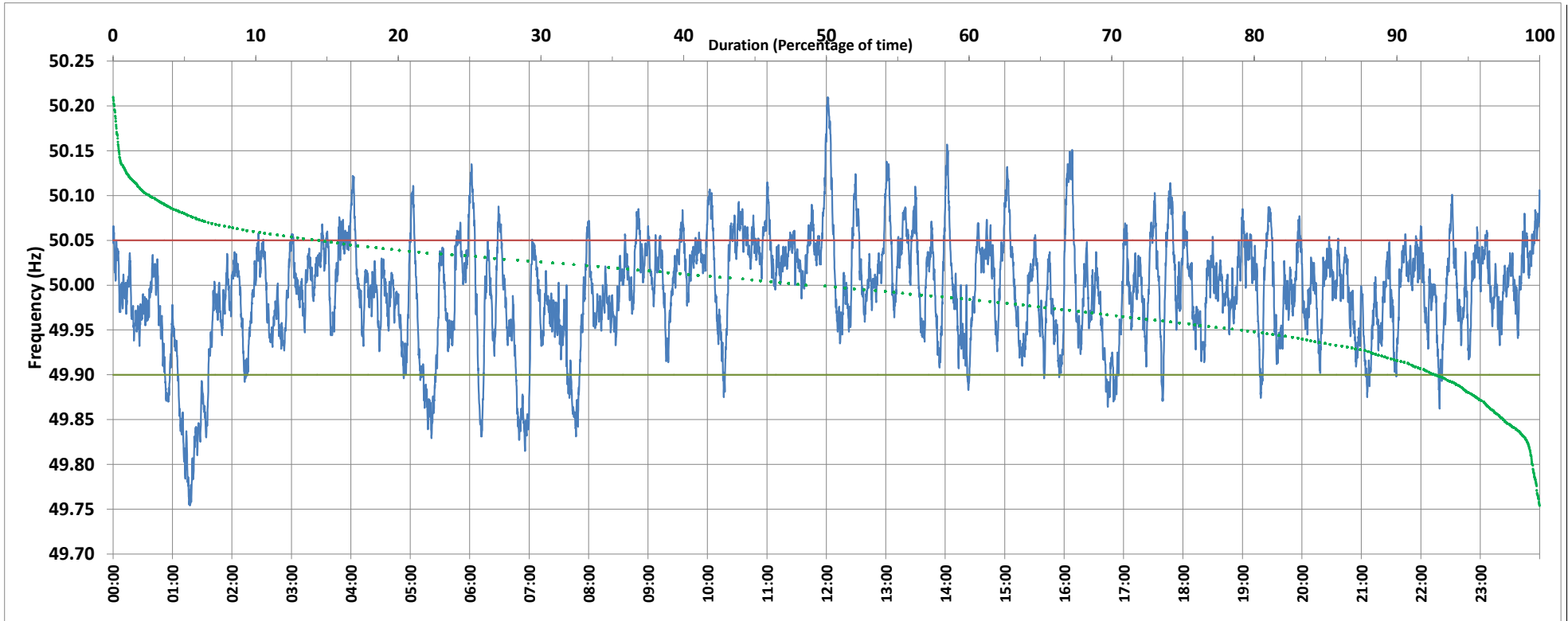


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Jan-2020 (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	7.18	31.38	0.49	6.69	42.92	47.28	2.53	78.41	99.91	41.88	12.28	48.56	26.75	14.41	0.09	20.49	65.10	13.31

Average Frequency : 49.993	Frequency Variation Index : 0.0368	Standard Deviation : 0.0603	Mileage: 51.7	FDI: 21.6
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.210	12:01:20
Min	49.754	1:17:40

15 minute Average Frequency		
Max	50.063	12:00:00
Min	49.812	1:30:00

No. of excursions	
above 50.03 Hz	164
below 49.97 Hz	136
above 50.00 Hz	132
below 50.00 Hz	130

Average time freq per excursion remains	
below 49.97	0:03:19
above 50.03	0:02:21

No. of hours freq outside 49.9-50.05 Hz	5:10:50
---	---------

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