

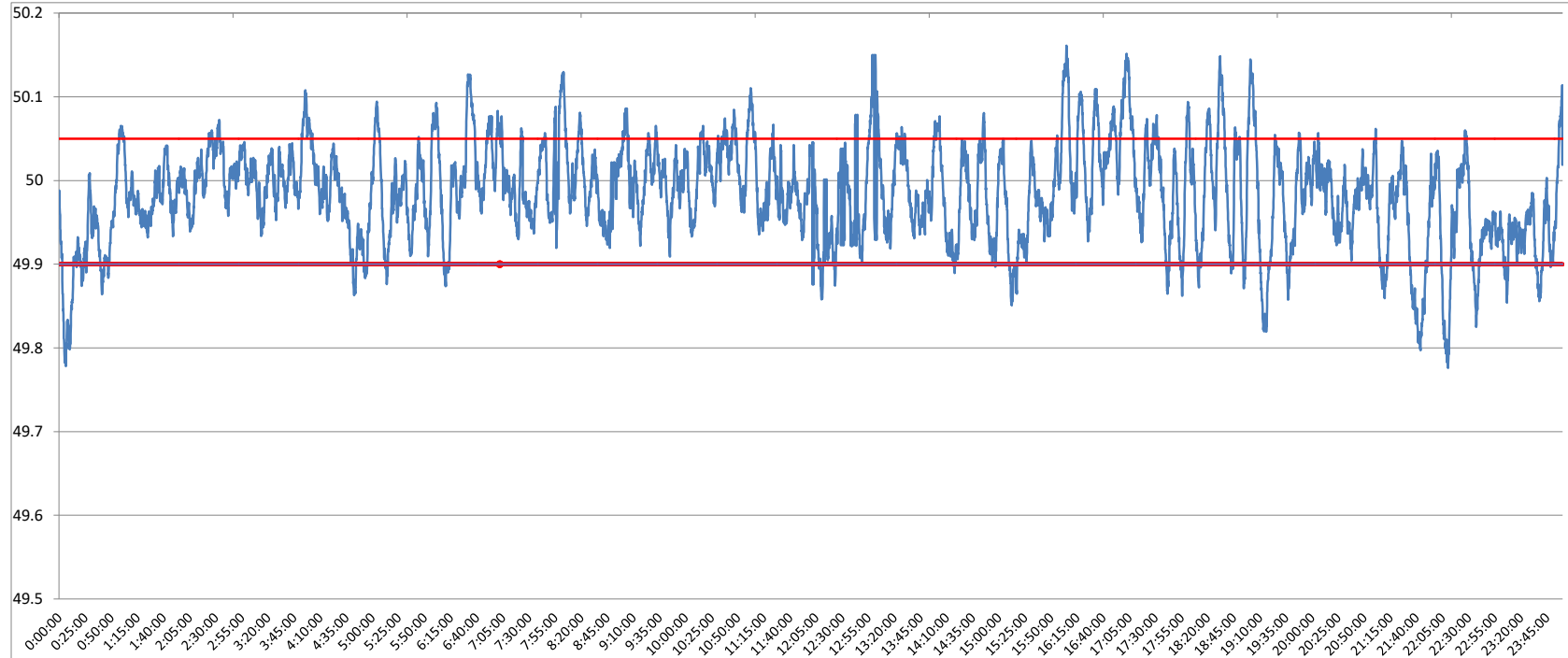


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

11-Apr-17



<49.2	<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
0	0.00	8.07	39.75	0.35	7.72	51.49	38.11	2.33	79.64	100.00	38.58	9.98	40.32	21.68	12.29	0.00

Average Frequency	49.98	Frequency Variation Index :	0.038	Standard Deviation :	0.060
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.16 16:04:40
Min	49.78 22:10:10

15 minute average Frequency		
Max	50.060	17:15:00
Min	49.855	0:15:00

No. of excursion above 50.03 Hz	136
No. of excursion below 49.97 Hz	149
No. of excursion above 50.00 Hz	190
No. of excursion below 50.00 Hz	191

Average time freq remains below 49.97 per excursion	0:03:50	Average time frequency remains above 50.03 per excursion	0:02:18
---	---------	--	---------