

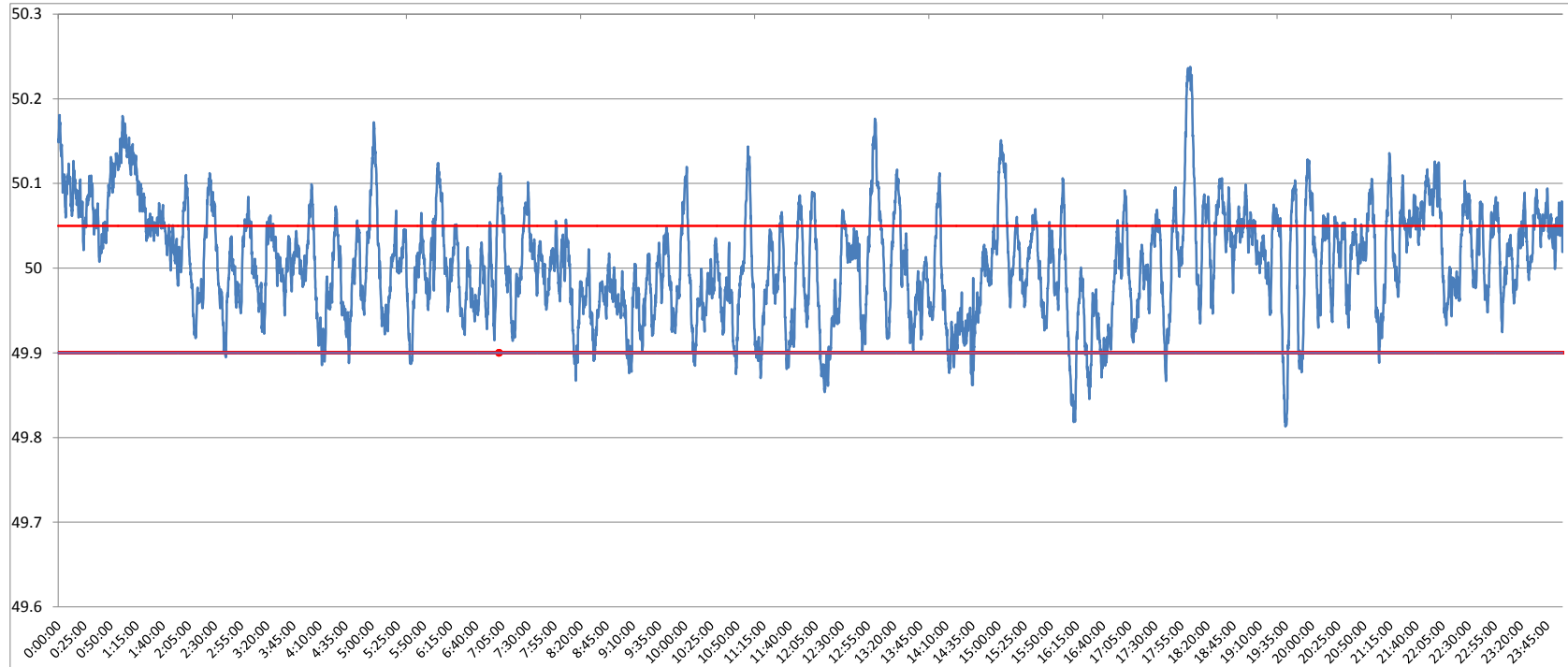


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

14-Nov-16



<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	4.58	29.20	0.00	4.58	41.53	47.22	6.27	70.41	99.61	33.72	18.46	53.85	37.08	25.01	0.39

Average Frequency	50.01	Frequency Variation Index :	0.041	Standard Deviation :	0.063
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.24 18:03:30
Min	49.81 19:34:40

15 minute average Frequency		
Max	50.141	1:15:00
Min	49.921	16:45:00

No. of excursion above 50.03 Hz	143
No. of excursion below 49.97 Hz	136
No. of excursion above 50.00 Hz	149
No. of excursion below 50.00 Hz	150

Average time freq remains below 49.97 per excursion	0:03:06	Average time frequency remains above 50.03 per excursion	0:03:44
---	---------	--	---------