

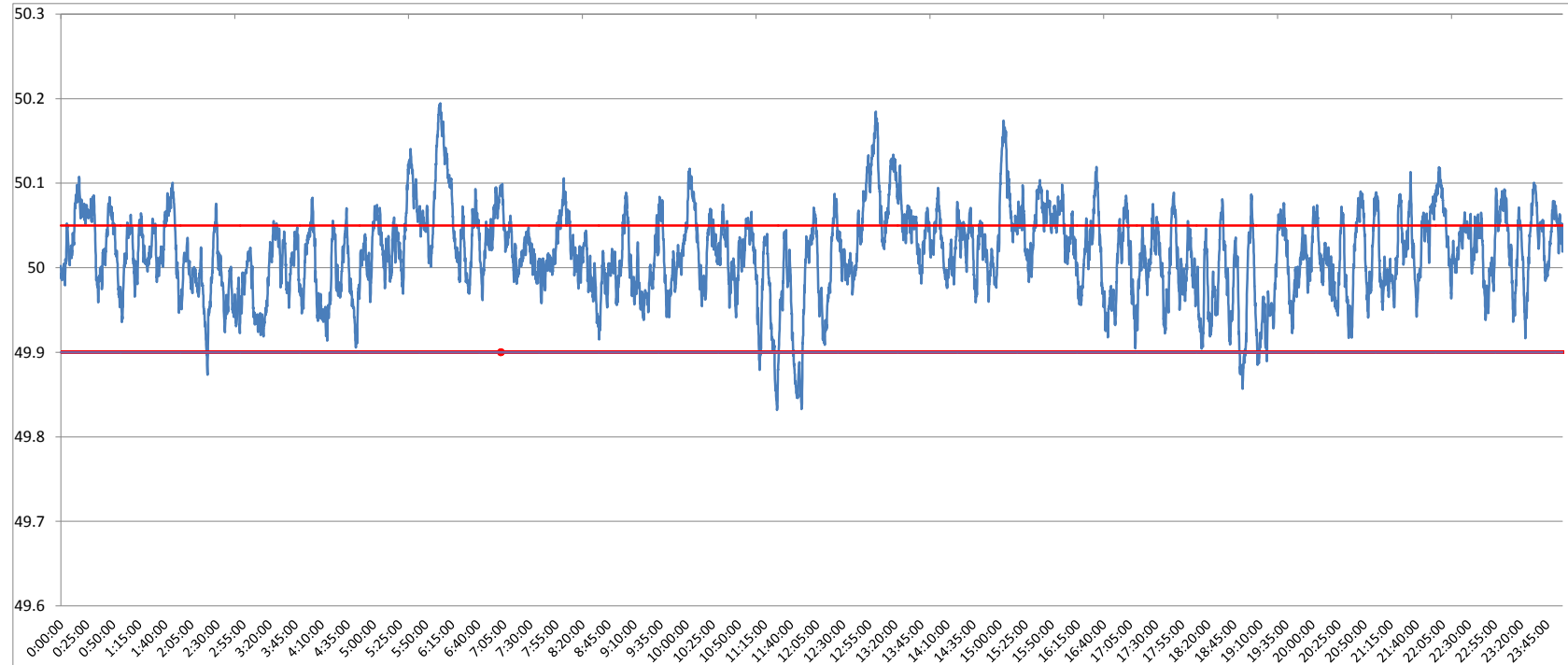


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

30-Jul-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	1.61	16.84	0.00	1.61	34.17	60.47	3.75	72.86	100.00	42.53	21.88	64.14	40.63	25.53	0.00

<b>Average Frequency</b>	<b>50.02</b>	<b>Frequency Variation Index :</b>	<b>0.029</b>	<b>Standard Deviation :</b>	<b>0.051</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.19	6:03:30
Min	49.83	11:26:40

15 minute average Frequency		
Max	50.142	6:15:00
Min	49.937	11:30:00

No. of excursion above 50.03 Hz	157
No. of excursion below 49.97 Hz	118
No. of excursion above 50.00 Hz	163
No. of excursion below 50.00 Hz	161

Average time freq remains below 49.97 per excursion	0:02:03	Average time frequency remains above 50.03 per excursion	0:03:44
---	---------	--	---------