

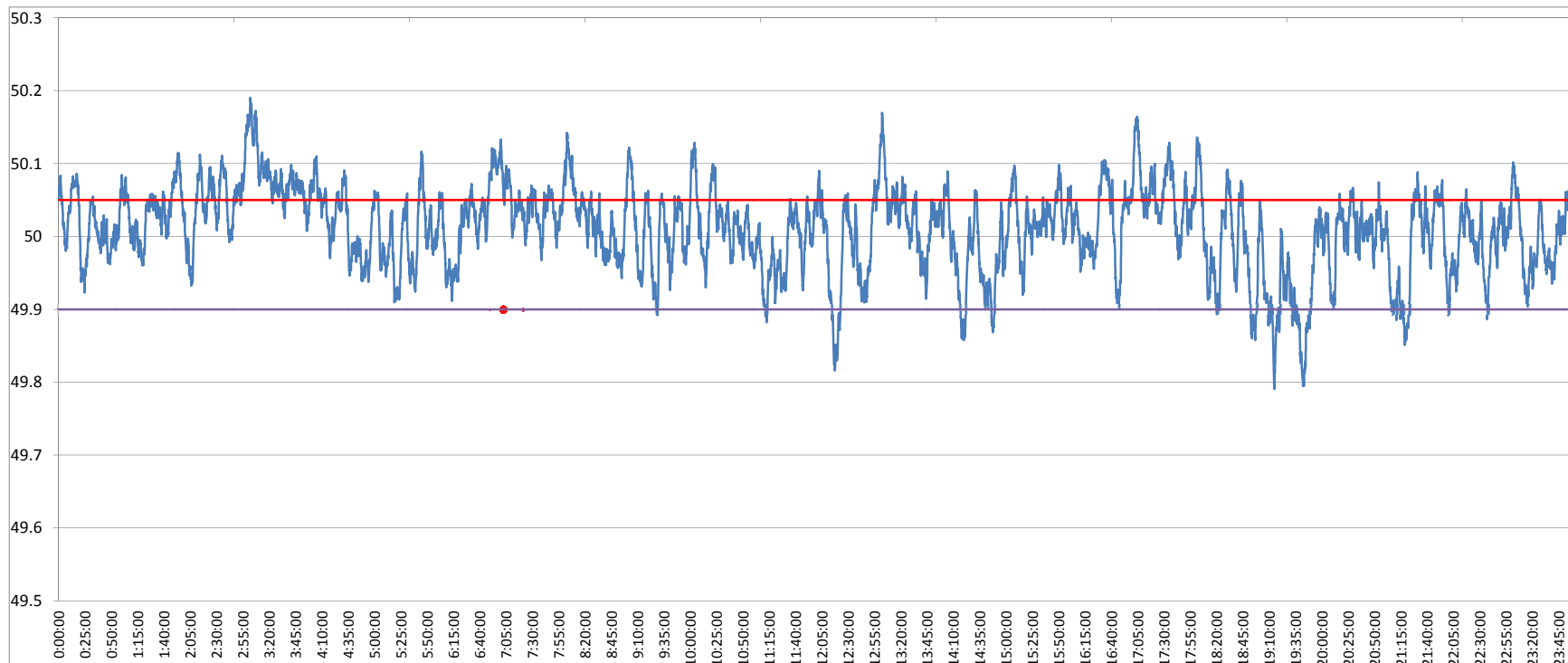


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

20-Jul-15



<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	4.44	23.09	0.07	4.38	34.11	57.36	4.09	71.24	100.00	36.63	20.34	61.41	40.28	24.32	0.00

Average Frequency	50.01	Frequency Variation Index :	0.035	Standard Deviation :	0.058
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.19	3:02:00
Min	49.79	19:14:40

15 minute average Frequency		
Max	50.130	3:15:00
Min	49.868	19:45:00

No. of excursion above 50.03 Hz	195
No. of excursion below 49.97 Hz	101
No. of excursion above 50.00 Hz	161
No. of excursion below 50.00 Hz	159

Average time freq remains below 49.97 per excursion	0:03:18	Average time frequency remains above 50.03 per excursion	0:02:58
---	---------	--	---------