

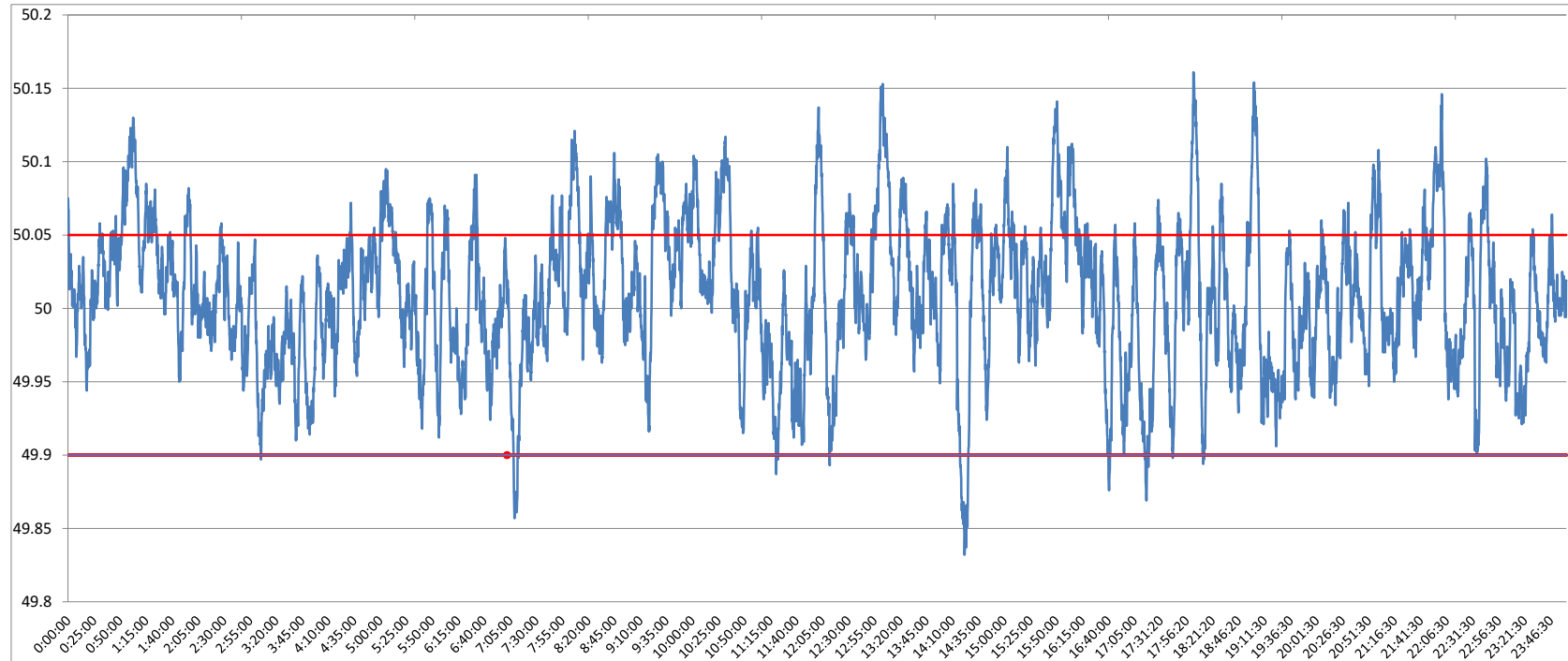


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

21-Jun-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	1.26	21.33	0.00	1.26	40.16	55.13	3.45	78.84	100.00	45.58	17.22	57.05	33.09	19.90	0.00

Average Frequency	50.01	Frequency Variation Index :	0.026	Standard Deviation :	0.050
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.16 18:03:00
Min	49.83 14:21:40

15 minute average Frequency		
Max	50.086	13:15:00
Min	49.913	14:30:00

No. of excursion above 50.03 Hz	137
No. of excursion below 49.97 Hz	100
No. of excursion above 50.00 Hz	129
No. of excursion below 50.00 Hz	125

Average time freq remains below 49.97 per excursion	0:03:04	Average time frequency remains above 50.03 per excursion	0:03:29
---	---------	--	---------