

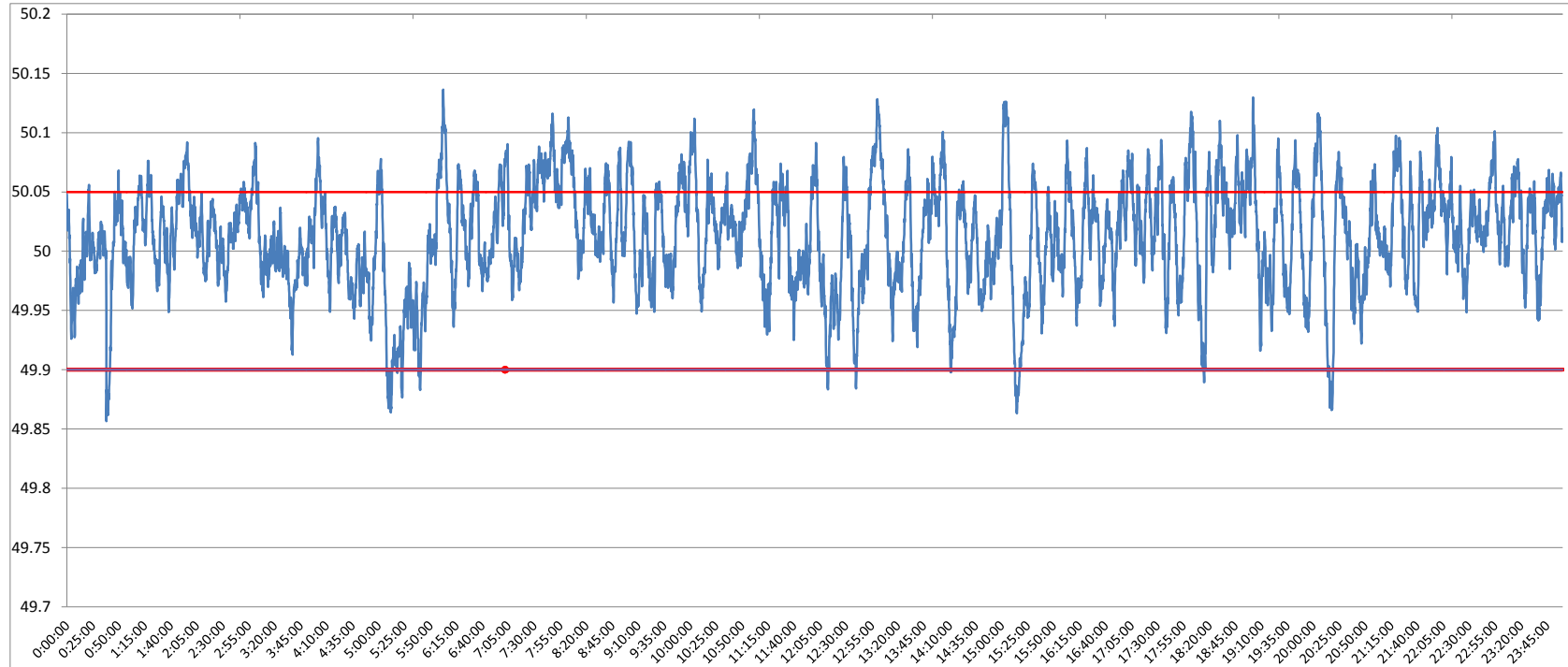


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

21-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	1.62	16.56	0.00	1.62	36.40	60.35	1.63	76.09	100.00	45.35	20.68	61.88	38.09	22.29	0.00

Average Frequency	50.01	Frequency Variation Index :	0.022	Standard Deviation :	0.046
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.14 6:02:10
Min	49.86 0:38:00

15 minute average Frequency		
Max	50.071	8:00:00
Min	49.930	5:30:00

No. of excursion above 50.03 Hz	192
No. of excursion below 49.97 Hz	123
No. of excursion above 50.00 Hz	192
No. of excursion below 50.00 Hz	192

Average time freq remains below 49.97 per excursion	0:01:56	Average time frequency remains above 50.03 per excursion	0:02:51
--	----------------	---	----------------