

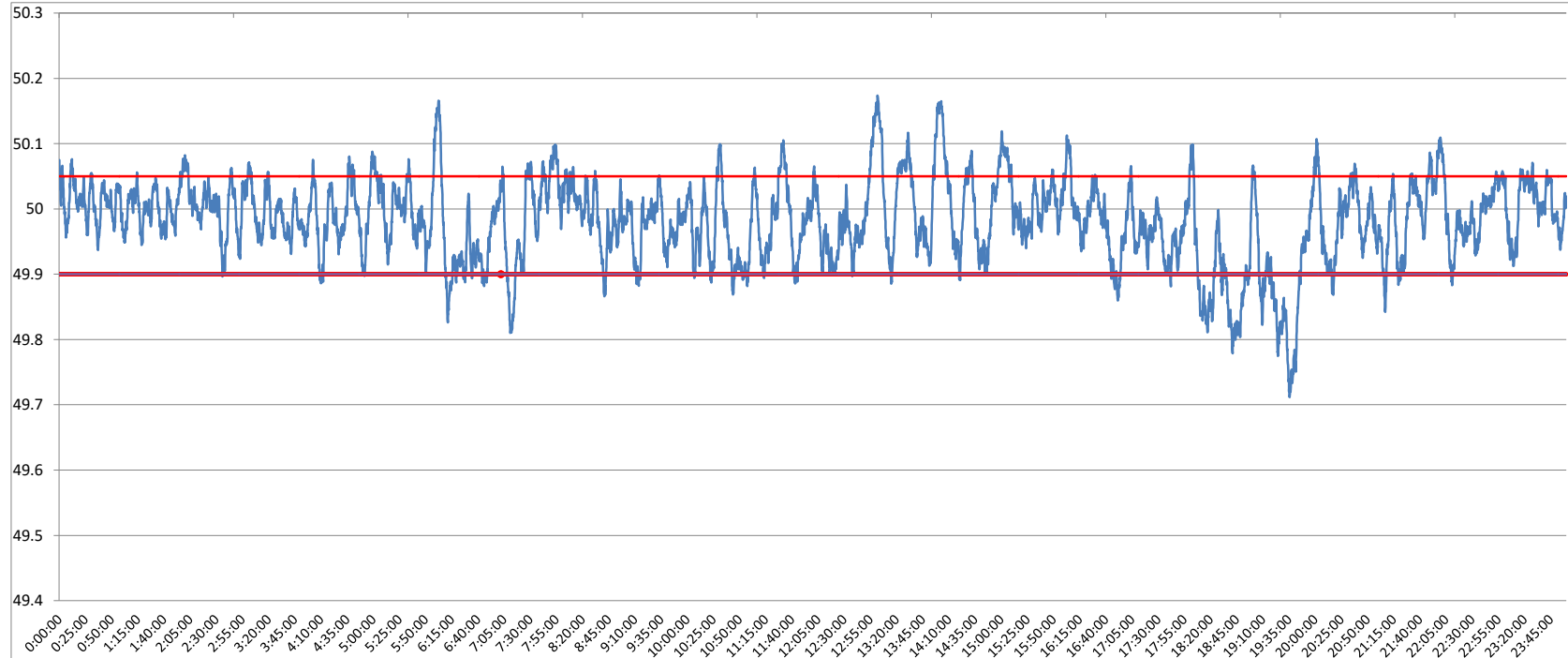


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

12-Aug-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	9.11	39.78	0.87	8.24	50.17	38.53	2.19	78.94	100.00	38.11	9.84	40.61	22.11	11.96	0.00

Average Frequency	49.98	Frequency Variation Index :	0.044	Standard Deviation :	0.064
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.17 13:01:50
Min	49.71 19:35:30

15 minute average Frequency	
Max	50.070 14:15:00
Min	49.789 19:45:00

No. of excursion above 50.03 Hz	131
No. of excursion below 49.97 Hz	154
No. of excursion above 50.00 Hz	144
No. of excursion below 50.00 Hz	141

Average time freq remains below 49.97 per excursion	0:03:43	Average time frequency remains above 50.03 per excursion	0:02:26
--	----------------	---	----------------