

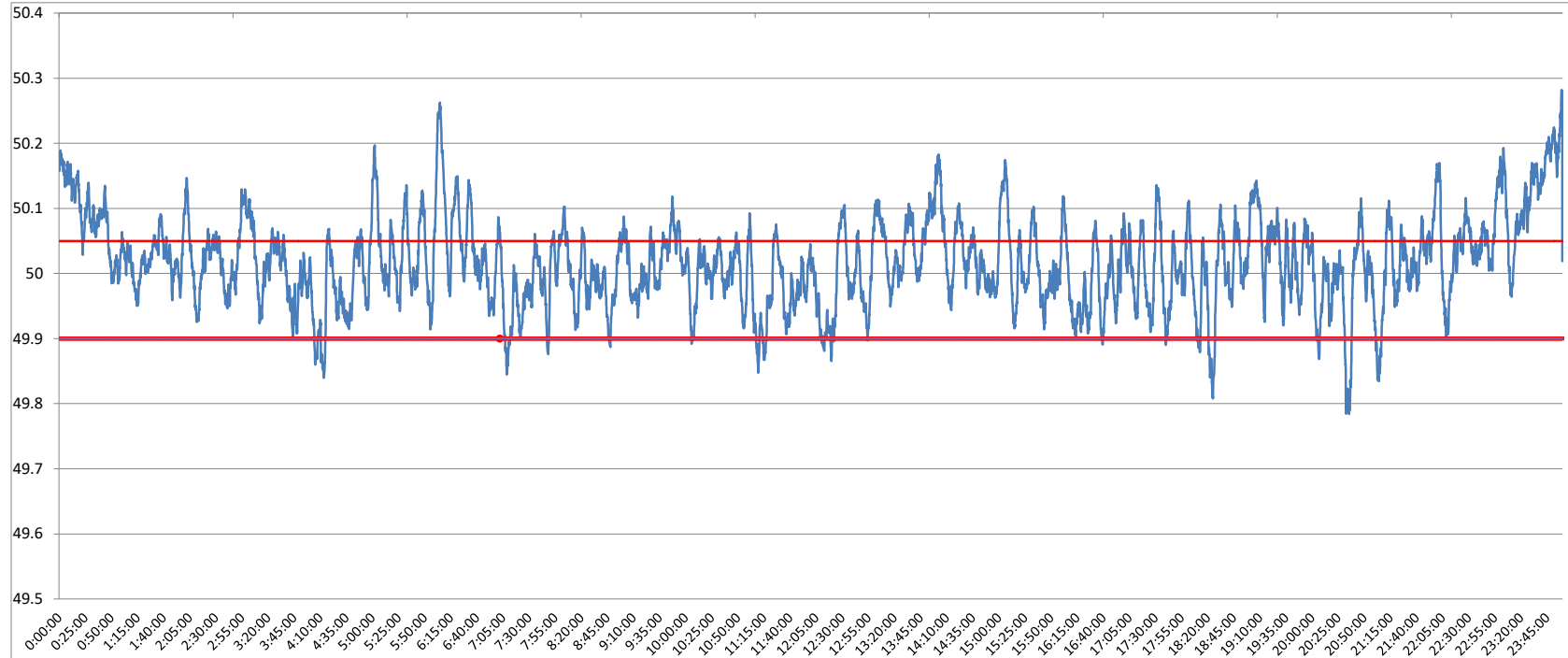


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SLPR4:Frequency

National Grid Frequency Profile for

15-Jan-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	3.65	23.18	0.15	3.50	37.18	48.19	10.21	66.69	99.22	36.44	18.76	59.11	40.38	29.66	0.78

Average Frequency	50.02	Frequency Variation Index :	0.051	Standard Deviation :	0.069
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.28	23:59:00
Min	49.78	20:35:20

15 minute average Frequency		
Max	50.200	0:00:00
Min	49.904	4:15:00

No. of excursion above 50.03 Hz	134
No. of excursion below 49.97 Hz	117
No. of excursion above 50.00 Hz	176
No. of excursion below 50.00 Hz	174

Average time freq remains below 49.97 per excursion	0:02:51	Average time frequency remains above 50.03 per excursion	0:04:20
--	----------------	---	----------------