

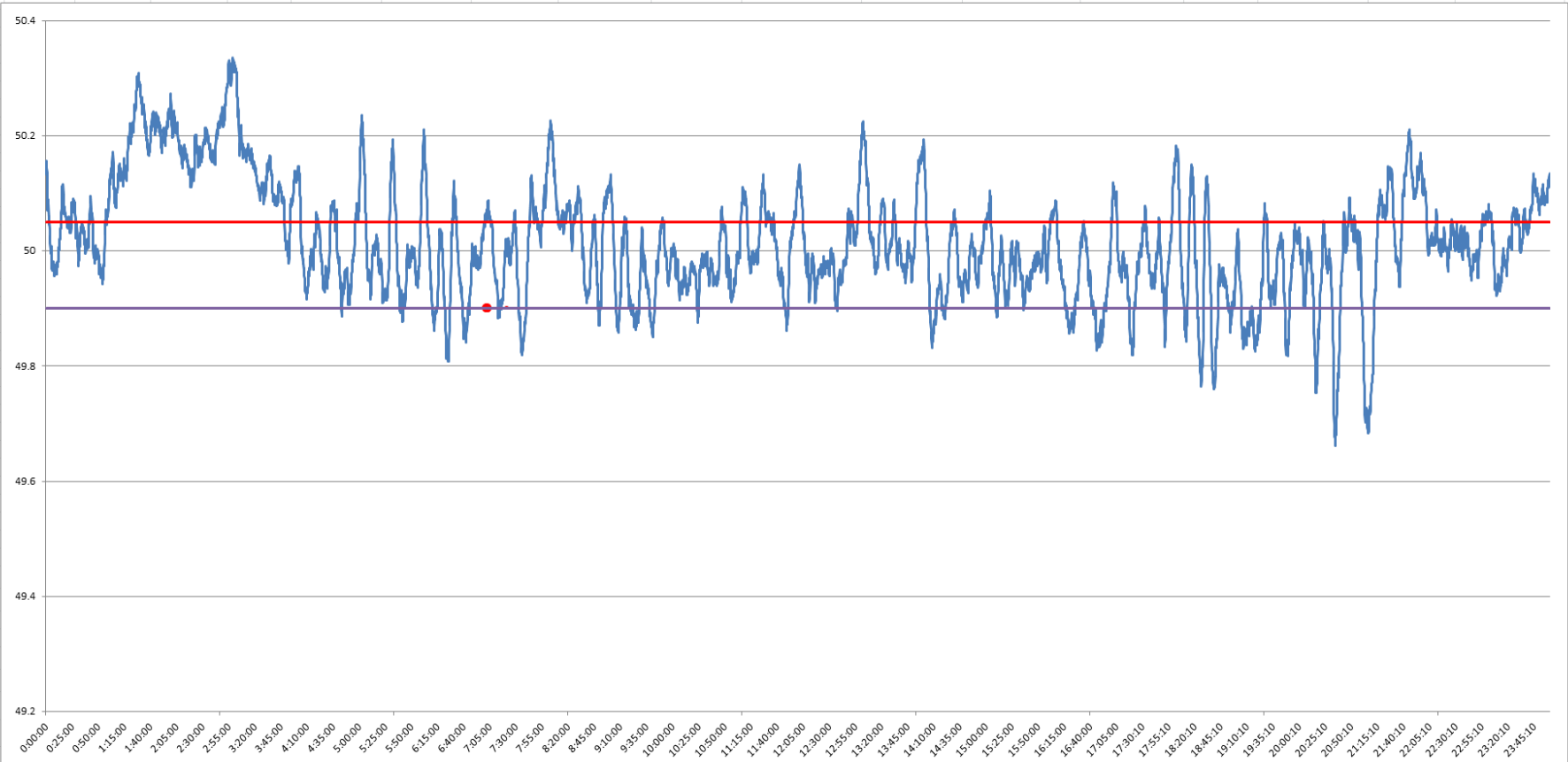


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

16-Mar-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	0.27	10.31	32.96	1.16	8.89	37.47	33.50	13.80	57.22	94.80	27.37	14.31	51.41	39.66	32.47	4.93

Average Frequency	50.01	Frequency Variation Index :	0.103	Standard Deviation :	0.101
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz	
MAX	50.34 2:58:40	Max	50.270 3:00:00	No. of excursion below 49.97 Hz	85
Min	49.66 20:34:50	Min	49.805 21:15:00	No. of excursion above 50.00 Hz	107
				No. of excursion below 50.00 Hz	87
					85

Average time freq remains below 49.97 per excursion	0:04:26	Average time frequency remains above 50.03 per excursion	0:06:43
--	----------------	---	----------------