

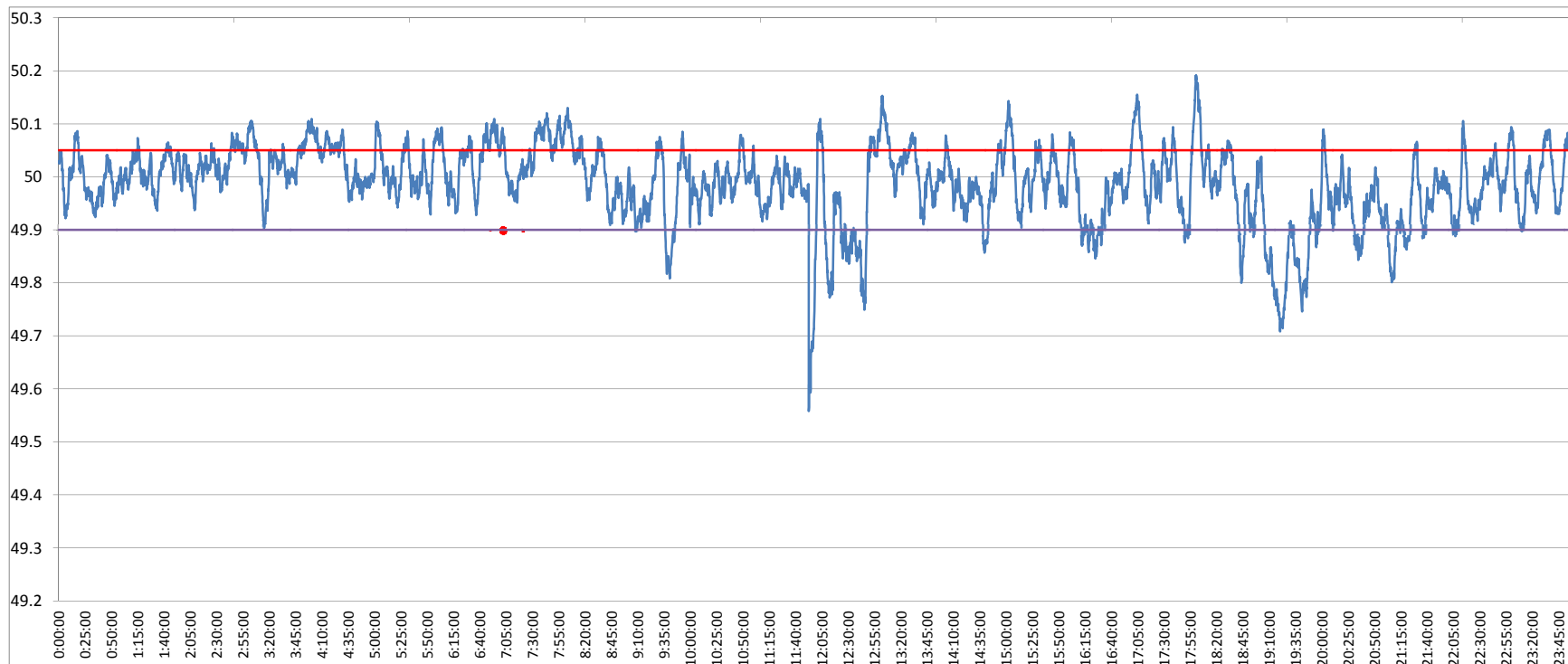


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SOMANAHALLI:Frequency

National Grid Frequency Profile for

28-Jul-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	0.30	10.27	34.33	1.82	8.15	42.81	44.35	2.57	71.40	99.70	37.40	16.35	45.47	28.28	18.33	0.00

Average Frequency	49.99	Frequency Variation Index :	0.054	Standard Deviation :	0.072
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.19	18:00:10
Min	49.56	11:52:30

15 minute average Frequency		
Max	50.081	7:45:00
Min	49.781	19:30:00

No. of excursion above 50.03 Hz	97
No. of excursion below 49.97 Hz	132
No. of excursion above 50.00 Hz	108
No. of excursion below 50.00 Hz	106

Average time freq remains below 49.97 per excursion	0:03:45	Average time frequency remains above 50.03 per excursion	0:04:12
---	---------	--	---------