

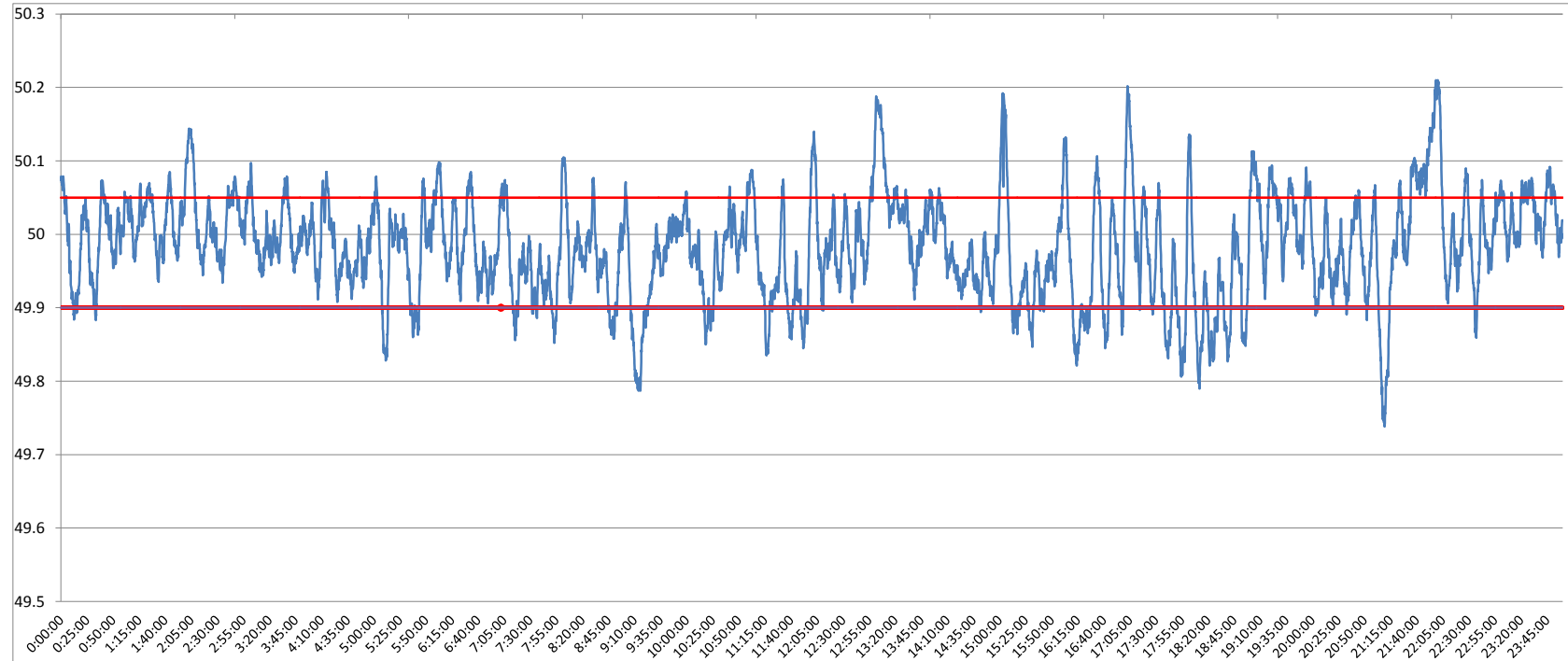


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

17-Dec-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	11.82	41.45	0.57	11.25	48.04	36.28	3.67	71.89	99.81	33.67	12.95	39.07	24.88	16.30	0.19

Average Frequency	49.98	Frequency Variation Index :	0.052	Standard Deviation :	0.070
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Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz		No. of excursion below 49.97 Hz	
Max	50.21	21:58:20	Max	50.127	22:00:00	96	
Min	49.74	21:09:10	Min	49.857	21:15:00	130	
				No. of excursion above 50.00 Hz		107	
				No. of excursion below 50.00 Hz		107	

Average time freq remains below 49.97 per excursion	0:04:35	Average time frequency remains above 50.03 per excursion	0:03:44
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