

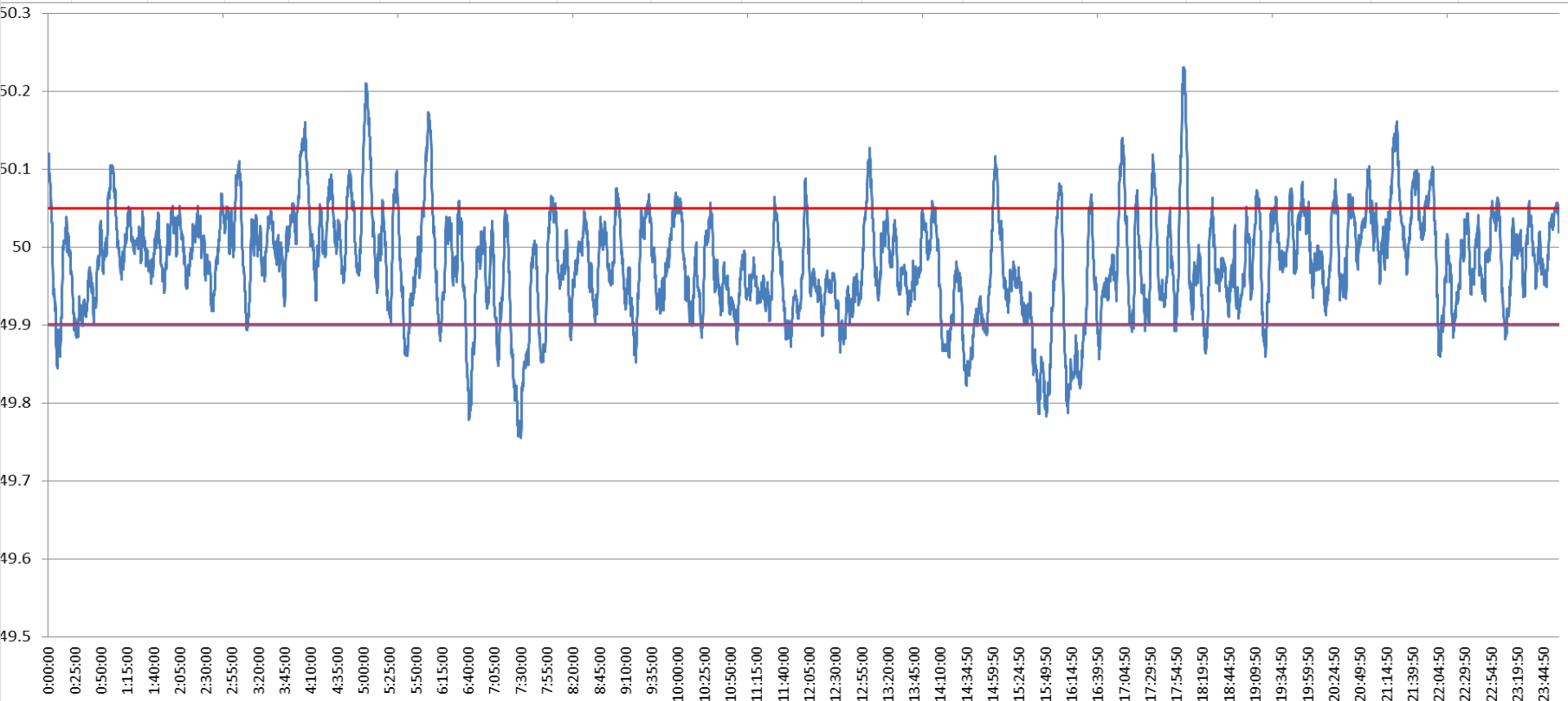


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

06-Jan-16



0:00:00	0:25:00	0:50:00	1:15:00	1:40:00	2:05:00	2:30:00	2:55:00	3:20:00	3:45:00	4:10:00	4:35:00	5:00:00	5:25:00	5:50:00	6:15:00	6:40:00	7:05:00	7:30:00	7:55:00	8:20:00	8:45:00	9:10:00	9:35:00	10:00:00	10:25:00	10:50:00	11:15:00	11:40:00	12:05:00	12:30:00	12:55:00	13:20:00	13:45:00	14:10:00	14:34:50	14:59:50	15:24:50	15:49:50	16:14:50	16:39:50	17:04:50	17:29:50	17:54:50	18:19:50	18:44:50	19:09:50	19:34:50	19:59:50	20:24:50	20:49:50	21:14:50	21:39:50	22:04:50	22:29:50	22:54:50	23:19:50	23:44:50
<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	11.09	44.43	0.76	10.32	50.53	35.27	2.88	76.46	99.77	33.28	9.43	38.31	22.29	12.45	0.23																																									

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.049</b>	<b>Standard Deviation :</b>	<b>0.067</b>
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<b>Instantaneous Frequency</b>		<b>15 minute average Frequency</b>		<b>No. of excursion above 50.03 Hz</b>	<b>122</b>
<b>Max</b>	<b>50.23 18:02:10</b>	<b>Max</b>	<b>50.083 5:15:00</b>	<b>No. of excursion below 49.97 Hz</b>	<b>144</b>
<b>Min</b>	<b>49.76 7:30:30</b>	<b>Min</b>	<b>49.856 16:00:00</b>	<b>No. of excursion above 50.00 Hz</b>	<b>146</b>
				<b>No. of excursion below 50.00 Hz</b>	<b>142</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:27</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:38</b>
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