

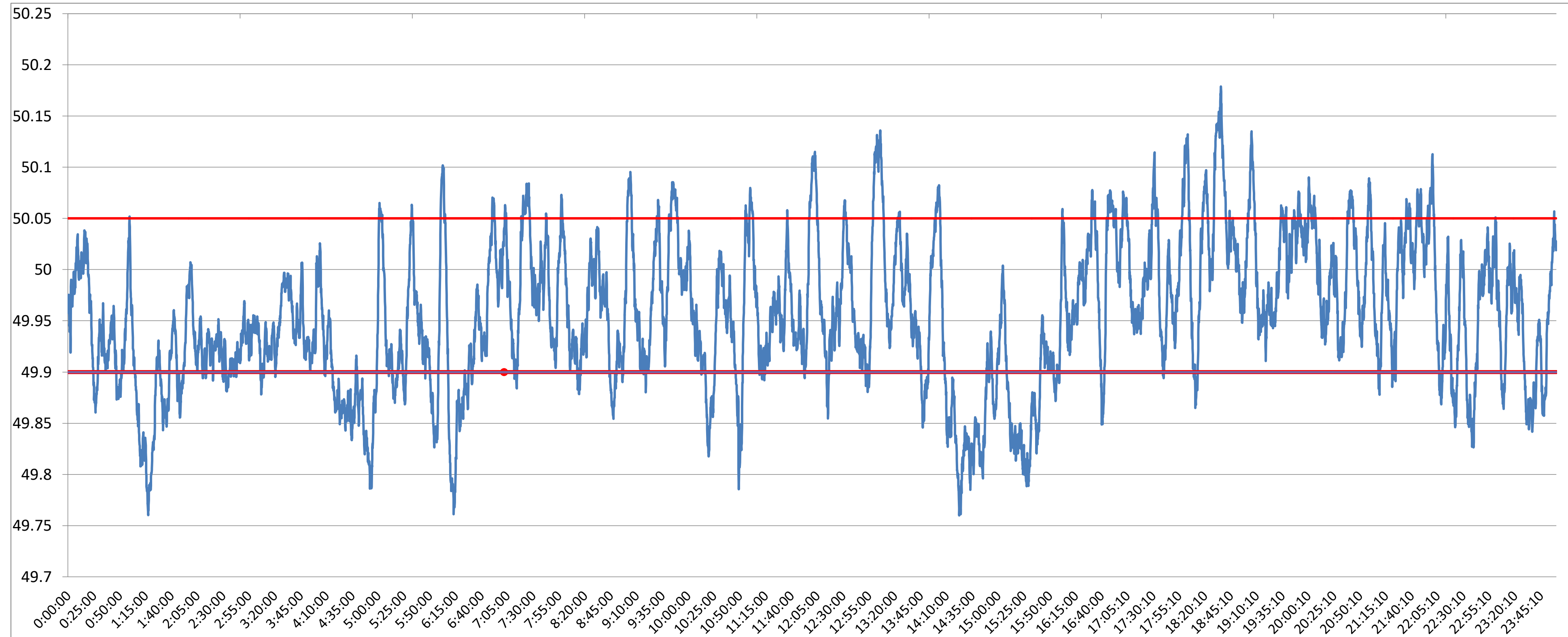


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SLPR4:Frequency

National Grid Frequency Profile for

28-Apr-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	21.59	59.24	1.33	20.25	51.12	25.47	1.82	68.43	100.00	24.25	8.17	27.26	16.52	9.99	0.00

<b>Average Frequency</b>	<b>49.95</b>	<b>Frequency Variation Index :</b>	<b>0.072</b>	<b>Standard Deviation :</b>	<b>0.071</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>99</b>	
<b>Max</b>	<b>50.18</b>	<b>18:35:40</b>	<b>Max</b>	<b>50.094</b>	<b>18:45:00</b>	<b>No. of excursion below 49.97 Hz</b>	<b>113</b>
<b>Min</b>	<b>49.76</b>	<b>14:22:20</b>	<b>Min</b>	<b>49.820</b>	<b>15:30:00</b>	<b>No. of excursion above 50.00 Hz</b>	<b>113</b>
				<b>No. of excursion below 50.00 Hz</b>		<b>112</b>	

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:07:33</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:24</b>
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