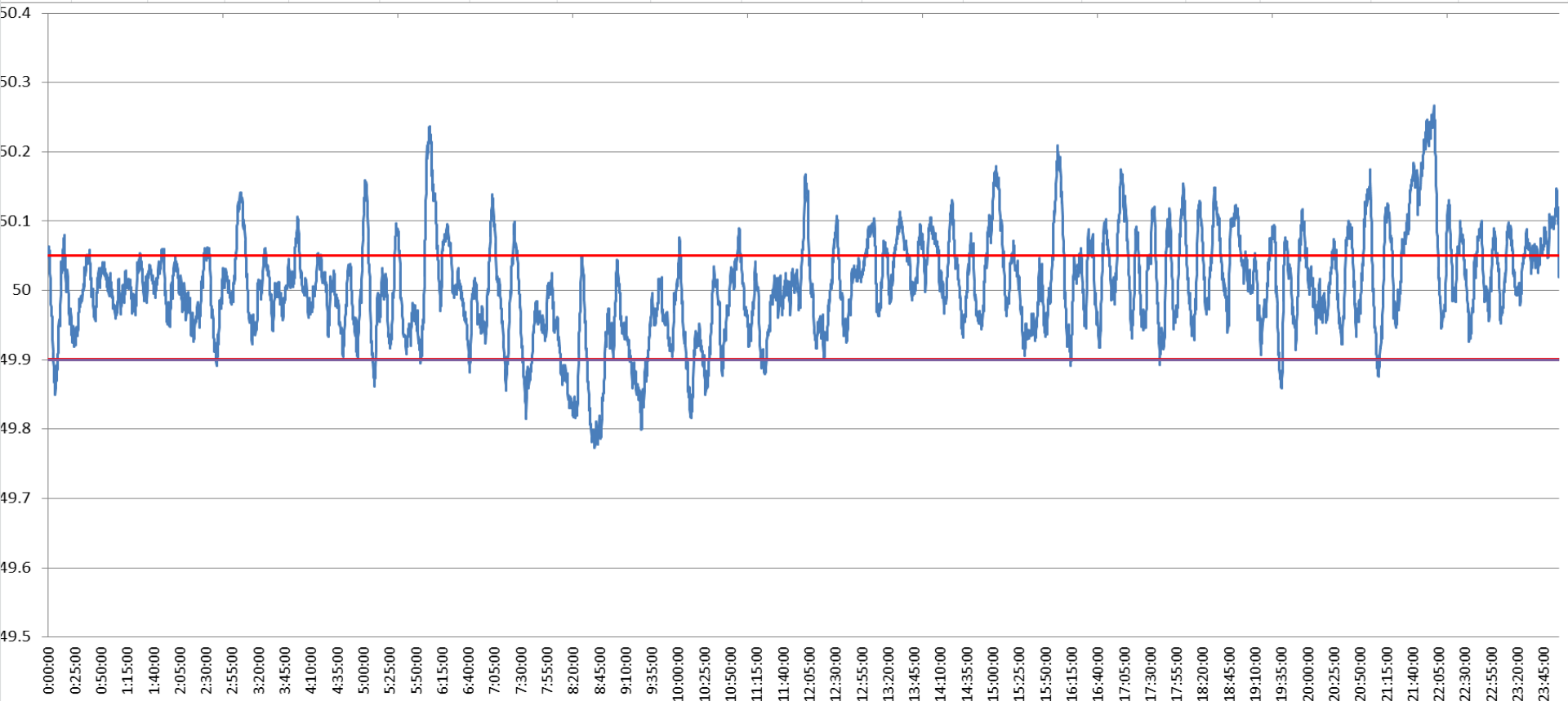




POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for 22-Nov-15



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	14:35:00	15:00:00	15:25:00	15:50:00	16:15:00	16:40:00	17:05:00	17:30:00	17:55:00	18:20:00	18:45:00	19:10:00	19:35:00	20:00:00	20:25:00	20:50:00	21:15:00	21:40:00	22:05:00	22:30:00	22:55:00	23:20:00	23:45:00
<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	6.62	30.29	0.57	6.05	40.88	43.53	7.91	67.94	98.94	35.23	16.57	52.44	34.48	25.44	1.06																																									

Average Frequency	50.01	Frequency Variation Index :	0.054	Standard Deviation :	0.073
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Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz	119
Max	50.27	22:00:30	Max	50.202	22:00:00
Min	49.77	8:40:50	Min	49.844	8:45:00
No. of excursion below 49.97 Hz		No. of excursion above 50.00 Hz		166	
No. of excursion below 50.00 Hz		No. of excursion above 50.03 Hz		162	

Average time freq remains below 49.97 per excursion	0:03:14	Average time frequency remains above 50.03 per excursion	0:04:10
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