

**GRID CONTROLLER OF INDIA LIMITED  
NATIONAL LOAD DESPATCH CENTRE  
NEW DELHI**

Date: **05-Jun-2023**

**System Reliability Indices Report for the month of May 2023**

**Percentage (%) of times ATC was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	17	4.25	0.57
2	ER-NR	1	0.25	0.03
3	Import of NR	1	0.25	0.03
4	NEW-SR	1	0.25	0.03
5	NER Import	0	0.00	0.00

**Percentage(%) of times (N-1) Criteria was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	3	0.75	0.10
2	ER-NR	1	0.25	0.03
3	Import of NR	1	0.25	0.03
4	NEW-SR	1	0.25	0.03
4	NER Import	1	0.25	0.03

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

## FREQUENCY DEVIATION INDEX FOR MAY 2023

Date of reporting:

05-Jun-23

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	No. of hours frequency is outside 49.95-50.05 Hz	Average Frequency (Hz)
	<49.90 Hz	49.90 - 50.05 Hz	>50.05 Hz			
01-May-23	17.47	63.83	18.70	36.17	8:40	49.98
02-May-23	9.31	65.56	25.14	34.44	8:16	50.00
03-May-23	8.33	77.12	14.55	22.88	5:29	49.99
04-May-23	6.93	73.03	20.03	26.97	6:28	50.00
05-May-23	9.91	72.74	17.35	27.26	6:32	49.99
06-May-23	9.51	71.94	18.54	28.06	6:44	49.99
07-May-23	6.82	74.97	18.22	25.03	6:00	49.99
08-May-23	10.94	72.66	16.40	27.34	6:33	49.99
09-May-23	5.97	76.26	17.77	23.74	5:41	50.00
10-May-23	3.77	72.78	23.45	27.22	6:32	50.01
11-May-23	7.44	69.77	22.79	30.23	7:15	50.00
12-May-23	11.86	70.64	17.50	29.36	7:02	49.98
13-May-23	12.00	78.00	10.00	22.00	5:16	49.97
14-May-23	6.39	64.24	29.38	35.76	8:35	50.01
15-May-23	5.74	64.26	30.00	35.74	8:34	50.02
16-May-23	9.79	71.78	18.43	28.22	6:46	49.99
17-May-23	9.98	73.43	16.60	26.57	6:22	49.99
18-May-23	17.55	62.55	19.91	37.45	8:59	49.98
19-May-23	5.60	68.25	26.15	31.75	7:37	50.01
20-May-23	6.15	73.90	19.95	26.10	6:15	50.00
21-May-23	6.15	74.26	19.59	25.74	6:10	50.00
22-May-23	14.47	66.25	19.28	33.75	8:06	49.98
23-May-23	1.77	59.27	38.96	40.73	9:46	50.03
24-May-23	6.12	69.62	24.26	30.38	7:17	50.00
25-May-23	5.76	68.34	25.89	31.66	7:35	50.01
26-May-23	12.21	66.77	21.02	33.23	7:58	49.99
27-May-23	20.34	59.66	20.00	40.34	9:40	49.97
28-May-23	18.98	65.52	15.50	34.48	8:16	49.97
29-May-23	23.99	61.74	14.27	38.26	9:11	49.96
30-May-23	11.03	50.65	38.32	49.35	11:50	50.01
31-May-23	2.50	63.10	34.40	36.90	8:51	50.03
<b>May 2023</b>	<b>9.83</b>	<b>68.48</b>	<b>21.69</b>	<b>31.52</b>	<b>234:30</b>	<b>49.99</b>

\*FDI is defined as percentage of time for which frequency is outside IEGC band (49.90-50.05 Hz)



# Monthly All India Anguar spread w.r.to Vindhyachal\_May-2023

- AGRA\_PG ALIPU\_PG BACHU\_PG BALIP\_PG BONGA\_PG CHDPR\_MH DURG4\_WB FARAK\_PG GJWKA\_PG
- HOSUR\_PG KALW4\_MH KISNP\_PG KOLAR\_PG KOTA\_PG KSTPS\_GS KZKDE\_PG MOGA\_PG PATNA\_PG
- PURNW\_PG RHNHV\_PG SILCR\_PG TALCH\_PG TCHRN\_PG UNNAO\_UP VINDP\_PG

