

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

Date: 05-May-2024

**System Reliability Indices Report for the month of APRIL 2024**

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
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	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
4	NER Import	2	0.50	0.07

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 APRIL 2024

Date of reporting:

05-May-24

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-Apr-24	7.26	65.60	27.14	34.40	8:15	50.01
02-Apr-24	7.79	76.33	15.88	23.67	5:40	49.99
03-Apr-24	10.13	78.36	11.52	21.64	5:11	49.98
04-Apr-24	10.00	78.96	11.04	21.04	5:03	49.98
05-Apr-24	10.98	72.03	16.99	27.97	6:42	50.00
06-Apr-24	3.15	82.38	14.47	17.62	4:13	50.00
07-Apr-24	2.45	80.07	17.48	19.93	4:47	50.01
08-Apr-24	1.46	82.16	16.38	17.84	4:16	50.01
09-Apr-24	8.99	81.05	9.95	18.95	4:32	49.98
10-Apr-24	2.19	84.80	13.01	15.20	3:38	50.00
11-Apr-24	5.05	88.83	6.12	11.17	2:40	49.98
12-Apr-24	4.03	81.47	14.50	18.53	4:26	50.00
13-Apr-24	11.79	72.63	15.58	27.37	6:34	49.98
14-Apr-24	7.25	78.24	14.51	21.76	5:13	49.99
15-Apr-24	13.19	70.91	15.89	29.09	6:58	49.98
16-Apr-24	0.61	82.44	16.94	17.56	4:12	50.01
17-Apr-24	3.31	78.55	18.14	21.45	5:08	50.01
18-Apr-24	5.81	71.61	22.58	28.39	6:48	50.01
19-Apr-24	4.66	71.64	23.69	28.36	6:48	50.02
20-Apr-24	5.86	75.25	18.89	24.75	5:56	50.00
21-Apr-24	4.91	86.49	8.60	13.51	3:14	49.99
22-Apr-24	3.80	79.03	17.18	20.97	5:02	50.01
23-Apr-24	0.58	74.05	25.37	25.95	6:13	50.02
24-Apr-24	3.82	84.14	12.04	15.86	3:48	50.00
25-Apr-24	4.13	82.62	13.25	17.38	4:10	50.00
26-Apr-24	2.19	80.61	17.20	19.39	4:39	50.01
27-Apr-24	5.24	85.80	8.96	14.20	3:24	49.99
28-Apr-24	3.67	74.57	21.76	25.43	6:06	50.02
29-Apr-24	1.61	85.02	13.37	14.98	3:35	50.00
30-Apr-24	1.70	71.09	27.21	28.91	6:56	50.02
<b>April 2024</b>	<b>5.25</b>	<b>78.56</b>	<b>16.19</b>	<b>21.44</b>	<b>154:22</b>	<b>50.00</b>

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



# Monthly Angular spread w.r.to Vindhyachal\_April-2024

AGRA\_PG ALIPU\_PG BACHU\_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 SILCR\_PG TALCH\_PG TCHRN\_PG VINDP\_PG

