

National Load Despatch Centre Total Transfer Capability for Jan 2024										
Issue Date:Jan 15 2024				Issue Time:18:40:11				Revision No :15		
Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment	
ER-NER	01 Jan to 08 Jan	00:00 to 17:00	2075	60	2015	NA		0		
		17:00 to 21:00	1700	60	1640	NA		0		
		21:00 to 24:00	2075	60	2015	NA		0		
	09 Jan to 09 Jan	00:00 to 17:00	2200	60	2140	NA		0		
		17:00 to 21:00	1800	60	1740	NA		0		
		21:00 to 24:00	2200	60	2140	NA		0		
	10 Jan to 12 Jan	00:00 to 17:00	2075	60	2015	NA		0		
		17:00 to 21:00	1700	60	1640	NA		0		
		21:00 to 24:00	2075	60	2015	NA		0		
	13 Jan to 15 Jan	00:00 to 07:00	2075	60	2015	NA		0		
		07:00 to 17:00	1850	60	1790	NA		0		
		17:00 to 21:00	1500	60	1440	NA		0		
		21:00 to 24:00	1850	60	1790	NA		0		
	16 Jan to 31 Jan	00:00 to 17:00	2075	60	2015	NA		0		
		17:00 to 21:00	1700	60	1640	NA		0		
		21:00 to 24:00	2075	60	2015	NA		0		
	ER-NR	01 Jan to 05 Jan	00:00 to 24:00	7300	400	6900	NA		0	
		06 Jan to 06 Jan	00:00 to 08:00	7300	400	6900	NA		0	
			08:00 to 24:00	7150	400	6750	NA		0	
		07 Jan to 11 Jan	00:00 to 24:00	7850	400	7450	NA		0	
		12 Jan to 12 Jan	00:00 to 24:00	6550	400	6150	NA		0	
		13 Jan to 13 Jan	00:00 to 10:00	6550	400	6150	NA		0	
			10:00 to 24:00	6350	400	5950	NA		0	
		14 Jan to 14 Jan	00:00 to 24:00	6550	400	6150	NA		0	
15 Jan to 15 Jan		00:00 to 10:00	6550	400	6150	NA		0		
		10:00 to 24:00	6350	400	5950	NA		0		

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	16 Jan to 17 Jan	00:00 to 24:00	6550	400	6150	NA		0	
	18 Jan to 31 Jan	00:00 to 24:00	6700	400	6300	NA		0	
ER-SR	01 Jan to 03 Jan	00:00 to 24:00	5400	350	5050	NA		0	
	04 Jan to 09 Jan	00:00 to 24:00	5400	350	5050	NA		0	
	10 Jan to 10 Jan	00:00 to 24:00	6000	350	5650	NA		0	
	11 Jan to 16 Jan	00:00 to 24:00	6000	350	5650	NA		0	
	17 Jan to 17 Jan	00:00 to 09:00	6000	350	5650	NA		0	
		09:00 to 24:00	4050	350	3700	NA		-1950	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2
	18 Jan to 31 Jan	00:00 to 24:00	4050	350	3700	NA		-1950	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2
ER-W3	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
ER-WR	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER-ER	01 Jan to 08 Jan	00:00 to 17:00	2900	60	2840	NA		0	
		17:00 to 21:00	2900	60	2840	NA		0	
		21:00 to 24:00	2900	60	2840	NA		0	
	09 Jan to 09 Jan	00:00 to 17:00	2700	60	2640	NA		0	
		17:00 to 21:00	2700	60	2640	NA		0	
		21:00 to 24:00	2700	60	2640	NA		0	
	10 Jan to 12 Jan	00:00 to 17:00	2900	60	2840	NA		0	
		17:00 to 21:00	2900	60	2840	NA		0	
		21:00 to 24:00	2900	60	2840	NA		0	
	13 Jan to 15 Jan	00:00 to 07:00	2900	60	2840	NA		0	
		07:00 to 17:00	1700	60	1640	NA		0	
		17:00 to 21:00	1700	60	1640	NA		0	
		21:00 to 24:00	1700	60	1640	NA		0	
	16 Jan to 31 Jan	00:00 to 17:00	2900	60	2840	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment		
		17:00 to 21:00	2900	60	2840	NA		0			
		21:00 to 24:00	2900	60	2840	NA		0			
NR-ER	01 Jan to 31 Jan	00:00 to 06:00	4000	300	3700	NA		0			
		06:00 to 18:00	4000	300	3700	NA		0			
		18:00 to 24:00	4000	300	3700	NA		0			
NR-WR	01 Jan to 01 Jan	00:00 to 06:00	4000	500	3500	NA		0			
		06:00 to 18:00	4000	500	3500	NA		0			
		18:00 to 24:00	4000	500	3500	NA		0			
	02 Jan to 02 Jan	00:00 to 08:00	4000	500	3500	NA		0			
		08:00 to 24:00	3400	500	2900	NA		0			
	03 Jan to 09 Jan	00:00 to 06:00	4000	500	3500	NA		0			
		06:00 to 18:00	4000	500	3500	NA		0			
		18:00 to 24:00	4000	500	3500	NA		0			
	10 Jan to 10 Jan	00:00 to 07:00	4000	500	3500	NA		0			
		07:00 to 18:00	2250	500	1750	NA		0			
		18:00 to 24:00	2250	500	1750	NA		0			
	11 Jan to 11 Jan	00:00 to 06:00	4000	500	3500	NA		0			
		06:00 to 18:00	4000	500	3500	NA		0			
		18:00 to 24:00	4000	500	3500	NA		0			
	12 Jan to 12 Jan	00:00 to 07:00	4000	500	3500	NA		0			
		07:00 to 18:00	2250	500	1750	NA		0			
		18:00 to 24:00	2250	500	1750	NA		0			
	13 Jan to 31 Jan	00:00 to 06:00	4000	500	3500	NA		0			
		06:00 to 18:00	4000	500	3500	NA		0			
		18:00 to 24:00	4000	500	3500	NA		0			
	SR-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.							
	SR-WR	01 Jan to 31 Jan	00:00 to 06:00	6000	650	5350	NA		0		
			06:00 to 18:00	7650	650	7000	NA		0		
			18:00 to 24:00	6000	650	5350	NA		0		

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
W3 Injection	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
WR-ER	01 Jan to 31 Jan	00:00 to 06:00	5500	300	5200	NA		0	
		06:00 to 18:00	5500	300	5200	NA		0	
		18:00 to 24:00	5500	300	5200	NA		0	
WR-NR	01 Jan to 05 Jan	00:00 to 24:00	12700	1000	11700	NA		0	
	06 Jan to 06 Jan	00:00 to 08:00	12700	1000	11700	NA		0	
		08:00 to 24:00	12400	1000	11400	NA		0	
	07 Jan to 11 Jan	00:00 to 24:00	17500	1000	16500	NA		0	
	12 Jan to 12 Jan	00:00 to 24:00	18900	1000	17900	NA		0	
	13 Jan to 13 Jan	00:00 to 10:00	18900	1000	17900	NA		0	
		10:00 to 24:00	18200	1000	17200	NA		0	
	14 Jan to 14 Jan	00:00 to 24:00	18900	1000	17900	NA		0	
	15 Jan to 15 Jan	00:00 to 10:00	18900	1000	17900	NA		0	
		10:00 to 24:00	18200	1000	17200	NA		0	
	16 Jan to 17 Jan	00:00 to 24:00	18900	1000	17900	NA		0	
	18 Jan to 31 Jan	00:00 to 24:00	19200	1000	18200	NA		0	
WR-SR	01 Jan to 03 Jan	00:00 to 24:00	14300	650	13650	NA		0	
	04 Jan to 05 Jan	00:00 to 24:00	14300	650	13650	NA		0	
	06 Jan to 06 Jan	00:00 to 08:00	14300	650	13650	NA		0	
		08:00 to 24:00	13750	650	13100	NA		0	
	07 Jan to 07 Jan	00:00 to 24:00	13750	650	13100	NA		0	
	08 Jan to 09 Jan	00:00 to 24:00	14300	650	13650	NA		0	
	10 Jan to 10 Jan	00:00 to 24:00	14700	650	14050	NA		0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	11 Jan to 31 Jan	00:00 to 24:00	14700	650	14050	NA		0	
<ul style="list-style-type: none"> <li>Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.</li> <li>Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.</li> <li>S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala</li> <li>W3 comprises of the following regional entities : a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I &amp; Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) NTPC Korba I, II &amp; III, j) NTPC Sipat I &amp; II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh</li> <li>The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.</li> <li>In case of TTC Revision due to any shutdown : 1) The TTC value will be revised to normal values after restoration of shutdown. 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.</li> <li>Real Time TTC/ATC revisions are uploaded on Grid-India/NLDC "News Update" (Flasher) Section</li> </ul>									

### Simultaneous Import Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		3088	NA	0	
NER	01 Jan to 08 Jan	00:00 to 17:00	1575	60	1515	486	1029	0	
		17:00 to 21:00	1200	60	1140	486	654	0	
		21:00 to 24:00	1575	60	1515	486	1029	0	
	09 Jan to 09 Jan	00:00 to 17:00	1700	60	1640	486	1154	0	
		17:00 to 21:00	1300	60	1240	486	754	0	
		21:00 to 24:00	1700	60	1640	486	1154	0	
	10 Jan to 12 Jan	00:00 to 17:00	1575	60	1515	486	1029	0	
		17:00 to 21:00	1200	60	1140	486	654	0	
		21:00 to 24:00	1575	60	1515	486	1029	0	
	13 Jan to 15 Jan	00:00 to 07:00	1575	60	1515	486	1029	0	
		07:00 to 17:00	1350	60	1290	486	804	0	
		17:00 to 21:00	1000	60	940	486	454	0	
		21:00 to 24:00	1350	60	1290	486	804	0	
	16 Jan to 31 Jan	00:00 to 17:00	1575	60	1515	486	1029	0	
		17:00 to 21:00	1200	60	1140	486	654	0	
		21:00 to 24:00	1575	60	1515	486	1029	0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
NR	01 Jan to 05 Jan	00:00 to 24:00	20000	1400	18600	17344	1256	0	
	06 Jan to 06 Jan	00:00 to 08:00	20000	1400	18600	17344	1256	0	
		08:00 to 24:00	19550	1400	18150	17344	806	0	
	07 Jan to 11 Jan	00:00 to 24:00	25350	1400	23950	17344	6606	0	
	12 Jan to 12 Jan	00:00 to 24:00	25450	1400	24050	17344	6706	0	
	13 Jan to 13 Jan	00:00 to 10:00	25450	1400	24050	17344	6706	0	
		10:00 to 24:00	24550	1400	23150	17344	5806	0	
	14 Jan to 14 Jan	00:00 to 24:00	25450	1400	24050	17344	6706	0	
	15 Jan to 15 Jan	00:00 to 10:00	25450	1400	24050	17344	6706	0	
		10:00 to 24:00	24550	1400	23150	17344	5806	0	
	16 Jan to 17 Jan	00:00 to 24:00	25450	1400	24050	17344	6706	0	
	18 Jan to 31 Jan	00:00 to 24:00	25900	1400	24500	17344	7156	0	
SR	01 Jan to 03 Jan	00:00 to 24:00	19700	1000	18700	6601	12099	0	
	04 Jan to 05 Jan	00:00 to 24:00	19700	1000	18700	6601	12099	0	
	06 Jan to 06 Jan	00:00 to 08:00	19700	1000	18700	6601	12099	0	
		08:00 to 24:00	19150	1000	18150	6601	11549	0	
	07 Jan to 07 Jan	00:00 to 24:00	19150	1000	18150	6601	11549	0	
	08 Jan to 09 Jan	00:00 to 24:00	19700	1000	18700	6601	12099	0	
	10 Jan to 10 Jan	00:00 to 24:00	20700	1000	19700	6601	13099	0	
	11 Jan to 16 Jan	00:00 to 24:00	20700	1000	19700	6601	13099	0	
	17 Jan to 17 Jan	00:00 to 09:00	20700	1000	19700	6601	13099	0	
		09:00 to 24:00	18750	1000	17750	6601	11149	-1950	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2
18 Jan to 31 Jan	00:00 to 24:00	18750	1000	17750	6601	11149	-1950	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2	
WR	01 Jan to 31	00:00 to 24:00	NA	NA		7702	NA	0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
	Jan								
									<ul style="list-style-type: none"> <li>Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.</li> <li>Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.</li> <li>S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala</li> <li>W3 comprises of the following regional entities : a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I &amp; Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) NTPC Korba I, II &amp; III, j) NTPC Sipat I &amp; II, k) KSK Mahanadi, l)DB Power, m) REGL (Previously KWPC), n)RKM, o)REL, p) Bharat Aluminium, q)MCCPL, r)SKS, s) TRN, t)NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh</li> <li>The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net schedules exceed ATC, real time curtailments might be effected by RLDCs/NLDC.</li> <li>In case of TTC Revision due to any shutdown : 1) The TTC value will be revised to normal values after restoration of shutdown. 2) The TTC value will be revised to normal values if the shutdown is not being availed in real time.</li> <li>Real Time TTC/ATC revisions are uploaded on Grid-India/NLDC "News Update" (Flasher) Section</li> </ul>

### Simultaneous Export Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER	01 Jan to 08 Jan	00:00 to 17:00	3400	60	3340	NA		0	
		17:00 to 21:00	3400	60	3340	NA		0	
		21:00 to 24:00	3400	60	3340	NA		0	
	09 Jan to 09 Jan	00:00 to 17:00	3200	60	3140	NA		0	
		17:00 to 21:00	3200	60	3140	NA		0	
		21:00 to 24:00	3200	60	3140	NA		0	
	10 Jan to 12 Jan	00:00 to 17:00	3400	60	3340	NA		0	
		17:00 to 21:00	3400	60	3340	NA		0	
		21:00 to 24:00	3400	60	3340	NA		0	
	13 Jan to 15 Jan	00:00 to 07:00	3400	60	3340	NA		0	
		07:00 to 17:00	2200	60	2140	NA		0	
		17:00 to 21:00	2200	60	2140	NA		0	
16 Jan to 31 Jan	21:00 to 24:00	2200	60	2140	NA		0		
	00:00 to 17:00	3400	60	3340	NA		0		
	17:00 to 21:00	3400	60	3340	NA		0		
NR	01 Jan to 01 Jan	21:00 to 24:00	3400	60	3340	NA		0	
		00:00 to 06:00	4000	500	3500	NA		0	
		06:00 to 18:00	4000	500	3500	NA		0	
	02 Jan to 02 Jan	18:00 to 24:00	4000	500	3500	NA		0	
		00:00 to 08:00	4000	500	3500	NA		0	
	03 Jan to 09 Jan	08:00 to 24:00	3400	500	2900	NA		0	
		00:00 to 06:00	4000	500	3500	NA		0	
	10 Jan to 10 Jan	06:00 to 18:00	4000	500	3500	NA		0	
		18:00 to 24:00	4000	500	3500	NA		0	
		00:00 to 07:00	4000	500	3500	NA		0	
	11 Jan to 11 Jan	07:00 to 18:00	2250	500	1750	NA		0	
		18:00 to 24:00	2250	500	1750	NA		0	
		00:00 to 06:00	4000	500	3500	NA		0	
	12 Jan to 12 Jan	06:00 to 18:00	4000	500	3500	NA		0	
		18:00 to 24:00	4000	500	3500	NA		0	
		00:00 to 07:00	4000	500	3500	NA		0	
	12 Jan to 12 Jan	07:00 to 18:00	2250	500	1750	NA		0	
		18:00 to 24:00	2250	500	1750	NA		0	
		00:00 to 07:00	4000	500	3500	NA		0	

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	13 Jan to 31 Jan	00:00 to 06:00	4000	500	3500	NA		0	
		06:00 to 18:00	4000	500	3500	NA		0	
		18:00 to 24:00	4000	500	3500	NA		0	
SR	01 Jan to 31 Jan	00:00 to 06:00	5150	650	4500	NA		0	
		06:00 to 18:00	6600	650	5950	NA		0	
		18:00 to 24:00	5150	650	4500	NA		0	
WR	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- W3 comprises of the following regional entities : a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
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## Limiting Constraints

Corridor	Constraints	Revisions
WR-NR	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-15
NR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka – Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	0-15
WR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka – Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	0-15
ER-NR	Inter-regional flow pattern towards NR	0-15
WR-SR	Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Nizamabad overloads the other ICT	0-15
ER-SR	1. Outage of any one circuit of the 765 kV Angul – Srikakulam D/C overloads the other circuit 2. Low Voltage at Gazuwaka (East) Bus.	0-15
SR-WR	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order beyond 450 MW in SR to WR Direction (Solar Hours) d) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar and vice-versa	0-15
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C	0-15
NER-ER	a) N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II b) High Loading of 400 kV Bongaigaon-Alipurduar II or I	0-12,13-14-15
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-15
NR_EXPORT	(N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C	0-15
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Balipara-Sonabil D/C	0-15
NER_EXPORT	a) N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II b) High Loading of 400 kV Bongaigaon-Alipurduar II or I	0-12,13-14-15
SR_IMPORT	1. Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Nizamabad overloads the other ICT 2. Outage of any one circuit of the 765 kV Angul – Srikakulam D/C overloads the other circuit 3. Low Voltage at Gazuwaka (East) Bus	0-15
SR_EXPORT	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 of 400 kV Kudgi - Kolhapur (PG) D/C touches 30 deg b) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– A at Raigarh - PS(Kotra) with increase in HVDC Raigarh – Pugalur Bipole – II power order beyond 950 MW in SR to WR Direction (Solar Hours) c) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh -PS (Kotra) with increase in HVDC Raigarh – Pugalur Bipole – I power order	0-15



Corridor	Constraints	Revisions
	beyond 450 MW in SR to WR Direction (Solar Hours) d) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar and vice-versa	

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Oct	01 Jan to 31 Jan	TTC/ATC increased due to the the commissioning of 765 kV Warora (Pool) –Warangal (New) D/C and associated system	WR-SR
		01 Jan to 31 Jan	TTC/ATC increased due to the the commissioning of 765 kV Warora (Pool) –Warangal (New) D/C and associated system	ER-SR
		01 Jan to 31 Jan	TTC/ATC increased due to the the commissioning of 765 kV Warora (Pool) –Warangal (New) D/C and associated system	SR_IMPORT
2	28 Dec	01 Jan to 31 Jan	Change in T-GNA Margin due to grant of additional 174 MW GNA to Uttar Pradesh from outside Northern Region	NR_IMPORT
		01 Jan to 31 Jan	Change in T-GNA Margin due to grant of additional 45 MW GNA to Mizoram from outside North Eastern Region	NER_IMPORT
3	30 Dec	01 Jan to 31 Jan	Due to the shutdown of 400 kV Jodhpur - Kankroli	NR-WR
		01 Jan to 05 Jan	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 1,2,3 & 4	WR-NR
		01 Jan to 05 Jan	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 1,2,3 & 4	ER-NR
		01 Jan to 03 Jan	Due to the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	WR-SR
		01 Jan to 03 Jan	Due to the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	ER-SR
		01 Jan to 31 Jan	Changes in load generation pattern of NE region	ER-NER
		01 Jan to 31 Jan	Changes in load generation pattern of NE region	NER-ER
		01 Jan to 05 Jan	Due to the shutdown of HVDC Champa - Kurukshetra Pole - 1,2,3 & 4	NR_IMPORT
		01 Jan to 31 Jan	Changes in load generation pattern of NE region	NER_IMPORT
		01 Jan to 03 Jan	Due to the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	SR_IMPORT
		01 Jan to 31 Jan	Due to the shutdown of 400 kV Jodhpur - Kankroli	NR_EXPORT
4	31 Dec	02 Jan to 02 Jan	TTC/ATC curtailed due to shutdown of 765KV-VADODARA-DHULE-1	NR-WR
		02 Jan to 02 Jan	TTC/ATC curtailed due to shutdown of 765KV-VADODARA-DHULE-1	NR_EXPORT
5	02 Jan	04 Jan to 10 Jan	Due to extension of the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	WR-SR
		04 Jan to 10 Jan	Due to extension of the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	ER-SR
		04 Jan to 10 Jan	Due to extension of the shutdown of 400KV-GAZUWAKA-JEYPORE-1 & 2	SR_IMPORT
6	04 Jan	06 Jan to 06 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Gwalior-Phagi-1	WR-NR
		06 Jan to 06 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Gwalior-Phagi-1	ER-NR
		06 Jan to 06 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Gwalior-Phagi-1	NR_IMPORT
7	05 Jan	06 Jan to 06 Jan	TTC/ATC curtailed due to non revival of HVDC Champa Kurukshetra all 4 pole	WR-NR
		06 Jan to 06 Jan	TTC/ATC curtailed due to non revival of HVDC Champa Kurukshetra all 4 pole	ER-NR

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		06 Jan to 06 Jan	TTC/ATC curtailed due to Shutdown of 765 kV Wardha Nizamabad ckt 2	WR-SR
		06 Jan to 06 Jan	TTC/ATC curtailed due to non revival of HVDC Champa Kurukshetra all 4 pole	NR_IMPORT
		06 Jan to 06 Jan	TTC/ATC curtailed due to Shutdown of 765 kV Wardha Nizamabad ckt 2	SR_IMPORT
8	05 Jan	09 Jan to 09 Jan	Shutdown of OTPC Module - 1	ER-NER
		09 Jan to 09 Jan	Shutdown of OTPC Module - 1	NER-ER
		09 Jan to 09 Jan	Shutdown of OTPC Module - 1	NER_IMPORT
		09 Jan to 09 Jan	Shutdown of OTPC Module - 1	NER_EXPORT
9	08 Jan	10 Jan to 10 Jan	TTC/ATC curtailed due to the shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR-WR
		10 Jan to 10 Jan	TTC/ATC curtailed due to the shutdown of 765KV-BANASKANTHA-CHITTORGARH-2	NR_EXPORT
10	09 Jan	10 Jan to 10 Jan	TTC/ATC revised due to the revival of 400 KV Jeypore-Gazuwaka-1 & 2	WR-SR
		10 Jan to 10 Jan	TTC/ATC revised due to the revival of 400 KV Jeypore-Gazuwaka-1 & 2	ER-SR
		10 Jan to 10 Jan	TTC/ATC revised due to the revival of 400 KV Jeypore-Gazuwaka-1 & 2	SR_IMPORT
11	10 Jan	12 Jan to 12 Jan	TTC/ATC curtailed due to the shutdown of 765KV-BANASKANTHA-CHITTORGARH-1	NR-WR
		12 Jan to 12 Jan	TTC/ATC curtailed due to the shutdown of 765KV-BANASKANTHA-CHITTORGARH-1	NR_EXPORT
12	11 Jan	12 Jan to 17 Jan	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern	WR-NR
		12 Jan to 17 Jan	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern	ER-NR
		12 Jan to 17 Jan	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern	NR_IMPORT
13	11 Jan	13 Jan to 13 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-1	WR-NR
		13 Jan to 13 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-1	ER-NR
		13 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 220KV D/C Alipurduar-Salakati-1&2 line	ER-NER
		13 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 220KV D/C Alipurduar-Salakati-1&2 line	NER-ER
		13 Jan to 13 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-1	NR_IMPORT
		13 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 220KV D/C Alipurduar-Salakati-1&2 line	NER_IMPORT
		13 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 220KV D/C Alipurduar-Salakati-1&2 line	NER_EXPORT
14	13 Jan	15 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-2	WR-NR
		15 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-2	ER-NR
		15 Jan to 15 Jan	TTC/ATC curtailed due to the shutdown of 765 KV Jabalpur-Orai-2	NR_IMPORT
15	15 Jan	17 Jan to 17 Jan	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2	ER-SR
		18 Jan to 31 Jan	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2	ER-SR
		17 Jan to 17 Jan	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2	SR_IMPORT
		18 Jan to 31 Jan	TTC/ATC curtailed due to the shutdown of HVDC 500KV-TALCHER-KOLAR- Pole 1 & 2	SR_IMPORT

ASSUMPTIONS IN BASECASE					
Month : January'24					
S.No.	Name of State/Area	Demand		Generation	
		Non-Solar Peak(MW)	Solar Peak (MW)	Non-Solar Peak(MW)	Solar Peak (MW)
I	<b>NORTHERN REGION</b>				
1	Punjab	7031	7510	4881	4940
2	Haryana	7418	7386	3037	3499
3	Rajasthan	13248	16311	8225	10042
4	Delhi	4405	5136	564	545
5	Uttar Pradesh	22062	18685	10734	11973
6	Uttarakhand	2375	2108	694	463
7	Himachal Pradesh	1985	1936	474	302
8	Jammu & Kashmir	3311	2984	264	206
9	Chandigarh	266	258	0	0
10	ISGS/IPPs	105	105	18638	22308
	<b>Total NR</b>	<b>62206</b>	<b>62419</b>	<b>47511</b>	<b>54278</b>
II	<b>EASTERN REGION</b>				
1	Bihar	5063	4065	464	458
2	Jharkhand	1407	1559	410	365
3	Damodar Valley Corporation	3416	3284	5273	5244
4	Orissa	5269	4919	3608	3496
5	West Bengal	7175	6925	6049	5781
6	Sikkim	116	109	0	0
7	Bhutan	32	50	107	228
8	ISGS/IPPs	928	917	18890	15263
	<b>Total ER</b>	<b>23406</b>	<b>21828</b>	<b>34802</b>	<b>30835</b>
III	<b>WESTERN REGION</b>				
1	Maharashtra	24878	25141	15943	16380
2	Gujarat	18292	17984	6324	6349
3	Madhya Pradesh	15567	16371	6053	6073
4	Chattisgarh	4447	4465	1823	1592
5	DD & DNH	984	867	0	0
6	Goa-WR	660	554	0	0
7	ISGS/IPPs	2463	1937	53004	49159
	<b>Total WR</b>	<b>67290</b>	<b>67320</b>	<b>83147</b>	<b>79553</b>
IV	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	8005	10681	6952	8203
2	Telangana	10834	14680	5212	6980
3	Karnataka	12118	15214	6579	9390
4	Tamil Nadu	16381	16743	6524	9609
5	Kerala	4221	3432	1510	340
6	Pondy	493	494	0	0
7	Goa-SR	109	109	0	0
8	ISGS/IPPs	0	0	19847	21748
	<b>Total SR</b>	<b>52162</b>	<b>61353</b>	<b>46623</b>	<b>56270</b>
V	<b>NORTH-EASTERN REGION</b>				
1	Arunachal Pradesh	166	101	0	0
2	Assam	1441	1146	275	428
3	Manipur	262	139	0	0
4	Meghalaya	471	350	144	12
5	Mizoram	171	141	33	8
6	Nagaland	158	120	15	7

7	Tripura	369	318	190	187
8	ISGS/IPPs	0	0	3308	2557
	Total NER	3038	2314	3964	3200
	Total All India	208065	215177	215925	223878