

National Load Despatch Centre Total Transfer Capability for Aug 2023									
Issue Date: May 28 2023						Issue Time: 14:38:35			Revision No : 1
Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnges w.r.t. Previous Revision	Comment
ER-NER	01 Aug to 31 Aug	00:00 to 07:00	830	60	770	455	315	0	
		07:00 to 12:00	825	60	765	455	310	0	
		12:00 to 17:00	750	60	690	455	235	0	
		17:00 to 21:00	710	60	650	455	195	0	
		21:00 to 24:00	830	60	770	455	315	0	
ER-NR	01 Aug to 31 Aug	00:00 to 24:00	8000	400	7600	5097	2503	0	Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana
ER-SR	01 Aug to 31 Aug	00:00 to 06:00	5700	350	5350	3265	2085	0	
		06:00 to 18:00	5700	350	5350	3330	2020	0	
		18:00 to 24:00	5700	350	5350	3265	2085	0	
ER-W3	01 Aug to 31 Aug	00:00 to 24:00							No limit is being specified.
NER-ER	01 Aug to 31 Aug	00:00 to 07:00	3450	60	3390	258	3132	0	
		07:00 to 12:00	3465	60	3405	258	3147	0	
		12:00 to 17:00	3415	60	3355	258	3097	0	
		17:00 to 21:00	3335	60	3275	258	3017	0	
		21:00 to 24:00	3450	60	3390	258	3132	0	
NR-ER	01 Aug to 31 Aug	00:00 to 06:00	2000	200	1800	125	1675	0	
		06:00 to 18:00	2000	200	1800	1990	0	0	
		18:00 to 24:00	2000	200	1800	125	1675	0	
NR-WR	01 Aug to 31 Aug	00:00 to 06:00	4000	500	3500	1267	2233	0	
		06:00 to 18:00	4000	500	3500	5177	0	0	
		18:00 to 24:00	4000	500	3500	1267	2233	0	
SR-ER	01 Aug to 31 Aug	00:00 to 24:00							No limit is being specified.
SR-WR	01 Aug to 31 Aug	00:00 to 06:00	7400	650	6750	650	6100	0	
		06:00 to 18:00	7400	650	6750	850	5900	0	
		18:00 to 24:00	7400	650	6750	650	6100	0	
W3 Injection	01 Aug to 31 Aug	00:00 to 24:00	NA	NA		NA			
W3-ER	01 Aug to 31 Aug	00:00 to 24:00							No limit is being specified.
WR-NR	01 Aug to 31 Aug	00:00 to 06:00	17800	1000	16800	11190	5610	0	
		06:00 to 18:00	17800	1000	16800	11514	5286	0	
		18:00 to 24:00	17800	1000	16800	11190	5610	0	
WR-SR	01 Aug to 31 Aug	00:00 to 06:00	11600	650	10950	3662	7288	0	Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry
		06:00 to 18:00	11600	650	10950	4624	6326	0	
		18:00 to 24:00	11600	650	10950	3662	7288	0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- Considering 400 kV Rihand stage-III - Vinhyachal 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 2) 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) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPL, n)Vandana Vidyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh
- The figure is based on LTA/MTOA approved by CTU and Allocation figures as per RPCs RTA/REA. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned the LTA/MTOA utilized 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.
- 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.
- Real Time TTC/ATC revisions are uploaded on Grid-India/NLDC "News Update" (Flasher) Section

## Simultaneous Import Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnges w.r.t. Previous Revision	Comment
ER	01 Aug to 31 Aug	00:00 to 24:00	NA	NA		NA		0	
NER	01 Aug to 31 Aug	00:00 to 07:00	830	60	770	455	315	0	
		07:00 to 12:00	825	60	765	455	310	0	
		12:00 to 17:00	750	60	690	455	235	0	
		17:00 to 21:00	710	60	650	455	195	0	
		21:00 to 24:00	830	60	770	455	315	0	
NR	01 Aug to 31 Aug	00:00 to 06:00	25800	1400	24400	16287	8113	0	Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana
		06:00 to 18:00	25800	1400	24400	16611	7789	0	
		18:00 to 24:00	25800	1400	24400	16287	8113	0	
SR	01 Aug to 31 Aug	00:00 to 06:00	17300	1000	16300	6927	9373	0	Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry
		06:00 to 18:00	17300	1000	16300	7954	8346	0	
		18:00 to 24:00	17300	1000	16300	6927	9373	0	
WR	01 Aug to 31 Aug	00:00 to 24:00	NA	NA			0	0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- Considering 400 kV Rihand stage-III - Vinhyachal 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 2) 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) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPL, n)Vandana Vidyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh
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## Simultaneous Export Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnges w.r.t. Previous Revision	Comment
ER	01 Aug to 31 Aug	00:00 to 24:00	NA	NA		NA		0	
NER	01 Aug to 31 Aug	00:00 to 07:00	3450	60	3390	258	3132	0	
		07:00 to 12:00	3465	60	3405	258	3147	0	
		12:00 to 17:00	3415	60	3355	258	3097	0	
		17:00 to 21:00	3335	60	3275	258	3017	0	
		21:00 to 24:00	3450	60	3390	258	3132	0	
NR	01 Aug to 31 Aug	00:00 to 06:00	4000	500	3500	1391	2109	0	
		06:00 to 18:00	4000	500	3500	7167	0	0	
		18:00 to 24:00	4000	500	3500	1391	2109	0	
SR	01 Aug to 31 Aug	00:00 to 06:00	6350	650	5700	1918	3782	0	
		06:00 to 18:00	6350	650	5700	2268	3432	0	
		18:00 to 24:00	6350	650	5700	1918	3782	0	
WR	01 Aug to 31 Aug	00:00 to 24:00	NA	NA		NA		0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- Considering 400 kV Rihand stage-III - Vinhyachal 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.
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## Limiting Constraints

Corridor	Constraints	Revisions
WR-NR	N-1 contingency of one ckt of 765 kV Vinhyachal-Varanasi will overload the other circuit	0-1
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-1
ER-NR	Inter-regional flow pattern towards NR	0-1
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-1
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-1
SR-WR	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-1
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-1
NER-ER	a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-1
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vinhyachal-Varanasi will overload the other circuit	0-1
NR_EXPORT	(N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C	0-1
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-1
NER_EXPORT	a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-1

Corridor	Constraints	Revisions
SR_IMPORT	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT Low Voltage at Gazuwaka (East) Bus	0-1
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-M5 D/C will overload of the other ckt	0-1

**Revision Summary**

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 May	01 Aug to 31 Aug	Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana	ER-NR
		01 Aug to 31 Aug	Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry	WR-SR
		01 Aug to 31 Aug	Revised STOA margin due to operationalization of a) LTA of 87.3 MW from THEP to Haryana b) LTA of 86.4 MW from JLHEP to Haryana	NR_IMPORT
		01 Aug to 31 Aug	Revised STOA margin due to Increase in the LTA quantum by 9.3 MW from APRAAVA_KHKRDA_JAM_Wind to Puducherry	SR_IMPORT

BASECASE LGBR						
S.No.	Name of State/Region	Load	Off Peak Load (MW)	Month:	Aug'23	
		Peak Load (MW)		Generation	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION					
1	Punjab	6187	4320	4431	2467	
2	Haryana	6301	4633	2327	2029	
3	Rajasthan	14634	8276	8964	6149	
4	Delhi	4138	1632	530	506	
5	Uttar Pradesh	15439	10852	10732	7505	
6	Uttarakhand	1894	1473	383	297	
7	Himachal Pradesh	1707	1017	546	240	
8	Jammu & Kashmir	2488	2157	236	227	
9	Chandigarh	197	89	0	0	
10	ISGS/IPPs	53	52	21207	9340	
	Total NR	53038	34501	49356	28761	
II	EASTERN REGION					
1	Bihar	4303	3220	484	409	
2	Jharkhand	1498	1268	436	409	
3	Damodar Valley Corporation	3224	3002	5182	4218	
4	Odisha	5447	4870	3217	2628	
5	West Bengal	5848	4471	5542	4582	
6	Sikkim	103	55	0	0	
7	Bhutan	57	56	107	68	
8	ISGS/IPPs	748	698	14253	11518	
	Total ER	21230	17642	29221	23833	
III	WESTERN REGION					
1	Maharashtra	24497	17173	16678	12825	
2	Gujarat	18565	15139	8330	8534	
3	Madhya Pradesh	15672	9581	6140	4836	
4	Chattisgarh	4723	3510	2439	2625	
5	Daman and Diu	0	0	0	0	
6	Dadra and Nagar Haveli	903	910	0	0	
7	Goa-WR	538	427	0	0	
8	ISGS/IPPs	5326	4186	46483	31327	
	Total WR	70222	50926	80070	60147	
IV	SOUTHERN REGION					
1	Andhra Pradesh	10976	7444	6488	4721	
2	Telangana	12210	9955	7160	4955	
3	Karnataka	13204	8407	7228	5718	
4	Tamil Nadu	16464	13330	9475	5630	
5	Kerala	3474	3023	1037	583	
6	Pondy	385	377	0	0	
7	Goa-SR	90	88	0	0	
8	ISGS/IPPs	0	0	19219	15358	
	Total SR	56804	42625	50606	36964	
V	NORTH-EASTERN REGION					
1	Arunachal Pradesh	123	94	7	7	
2	Assam	1193	1068	289	292	
3	Manipur	188	118	0	0	
4	Meghalaya	367	288	100	24	
5	Mizoram	92	63	33	54	
6	Nagaland	160	162	18	17	
7	Tripura	214	229	164	159	
8	ISGS/IPPs	0	0	2248	2153	
	Total NER	2338	2022	2859	2707	
	Total All India	203632	147716	212112	152412	