

National Load Despatch Centre Total Transfer Capability for Sep 2023									
Issue Date:Jun 23 2023				Issue Time:18:11:17				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)	Chnages w.r.t. Previous Revision	Comment
ER-NER	01 Sep to 30 Sep	00:00 to 07:00	800	60	740	455	285	0	
		07:00 to 12:00	790	60	730	455	275	0	
		12:00 to 18:00	760	60	700	455	245	0	
		18:00 to 22:00	750	60	690	455	235	0	
		22:00 to 24:00	800	60	740	455	285	0	
ER-NR	01 Sep to 30 Sep	00:00 to 24:00	8000	400	7600	5097	2503	0	
ER-SR	01 Sep to 30 Sep	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 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.						
ER-WR	01 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA			
NER-ER	01 Sep to 30 Sep	00:00 to 07:00	3470	60	3410	258	3152	0	
		07:00 to 12:00	3482	60	3422	258	3164	0	
		12:00 to 18:00	3430	60	3370	258	3112	0	
		18:00 to 22:00	3350	60	3290	258	3032	0	
		22:00 to 24:00	3470	60	3410	258	3152	0	
NR-ER	01 Sep to 30 Sep	00:00 to 06:00	4000	300	3700	125	3575	1900	Due to Change in Load - Generation Scenarios
		06:00 to 18:00	4000	300	3700	1990	1710	1900	
		18:00 to 24:00	4000	300	3700	125	3575	1900	
NR-WR	01 Sep to 30 Sep	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 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Sep to 30 Sep	00:00 to 06:00	7400	650	6750	650	6100	0	
		06:00 to 18:00	7400	650	6750	850	5900	0	

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		18:00 to 24:00	7400	650	6750	650	6100	0	
W3 Injection	01 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.						
WR-ER	01 Sep to 30 Sep	00:00 to 06:00	5500	300	5200	990	4210		Due to Change in Load - Generation Scenarios
		06:00 to 18:00	5500	300	5200	1040	4160		
		18:00 to 24:00	5500	300	5200	990	4210		
WR-NR	01 Sep to 30 Sep	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 Sep to 30 Sep	00:00 to 06:00	11600	650	10950	3662	7288	0	
		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 - 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 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) KWPCCL, 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)	Chnages w.r.t. Previous Revision	Comment
ER	01 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
NER	01 Sep to 30 Sep	00:00 to 07:00	800	60	740	455	285	0	
		07:00 to 12:00	790	60	730	455	275	0	

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)	Chnages w.r.t. Previous Revision	Comment
		12:00 to 18:00	760	60	700	455	245	0	
		18:00 to 22:00	750	60	690	455	235	0	
		22:00 to 24:00	800	60	740	455	285	0	
NR	01 Sep to 30 Sep	00:00 to 06:00	25800	1400	24400	16287	8113	0	
		06:00 to 18:00	25800	1400	24400	16611	7789	0	
		18:00 to 24:00	25800	1400	24400	16287	8113	0	
SR	01 Sep to 30 Sep	00:00 to 06:00	17300	1000	16300	6927	9373	0	
		06:00 to 18:00	17300	1000	16300	7954	8346	0	
		18:00 to 24:00	17300	1000	16300	6927	9373	0	
WR	01 Sep to 30 Sep	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 - 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 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) KWPCCL, 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)	Chnages w.r.t. Previous Revision	Comment
ER	01 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
NER	01 Sep to 30 Sep	00:00 to 07:00	3470	60	3410	258	3152	0	
		07:00 to 12:00	3482	60	3422	258	3164	0	
		12:00 to 18:00	3430	60	3370	258	3112	0	
		18:00 to 22:00	3350	60	3290	258	3032	0	
		22:00 to 24:00	3470	60	3410	258	3152	0	
NR	01 Sep to 30 Sep	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	4000	500	3500	1391	2109	0	

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)	Chnages w.r.t. Previous Revision	Comment
		24:00							
SR	01 Sep to 30 Sep	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 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	

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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	0-1
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	0-1
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	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	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 Vindhyachal-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 - Agia D/C	0-1
NER_EXPORT	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I	0-1
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-MS 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
0	28 May			
1	23 Jun	01 Sep to 30 Sep	Due to Change in Load - Generation Scenarios	NR-ER
		01 Sep to 30 Sep	Due to Change in Load - Generation Scenarios	WR-ER

BASECASE LGBR					
S.No.	Name of State/Region	Load		Month:	Sep'23
		Peak Load (MW)	Off 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