

**National Load Despatch Centre  
Total Transfer Capability for Jul 2023**

Issue Date:Apr 28 2023

Issue Time:16:58:59

Revision No :2

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 Jul to 31 Jul	00:00 to 07:00	820	60	760	455	305	0	
		07:00 to 12:00	900	60	840	455	385	0	
		12:00 to 17:00	810	60	750	455	295	0	
		17:00 to 21:00	770	60	710	455	255	0	
		21:00 to 24:00	820	60	760	455	305	0	
ER-NR	01 Jul to 31 Jul	00:00 to 24:00	8000	400	7600	4924	2676	0	Revised STOA margin due to (i) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (ii) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (iii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)
ER-SR	01 Jul to 31 Jul	00:00 to 06:00	5700	350	5350	3250	2100	0	
		06:00 to 18:00	5700	350	5350	3316	2034	0	
		18:00 to 24:00	5700	350	5350	3250	2100	0	
ER-W3	01 Jul to 31 Jul	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Jul to 31 Jul	00:00 to 07:00	3430	60	3370	258	3112	0	
		07:00 to 12:00	3450	60	3390	258	3132	0	
		12:00 to 17:00	3400	60	3340	258	3082	0	
		17:00 to 21:00	3320	60	3260	258	3002	0	
		21:00 to 24:00	3430	60	3370	258	3112	0	
NR-ER	01 Jul to 31 Jul	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 Jul to 31 Jul	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	

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
SR-ER	01 Jul to 31 Jul	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Jul to 31 Jul	00:00 to 06:00	7400	650	6750	650	6100	0	Revised STOA margin due to (i) Discontinuation of MTOA quantum of 102 MW from SEILP2 to Gujarat (ii) Discontinuation of allocation quantum of 100 MW from SR_ISGS to Uttarakhand
		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 Jul to 31 Jul	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Jul to 31 Jul	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Jul to 31 Jul	00:00 to 06:00	17800	1000	16800	11190	5610	0	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL
		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 Jul to 31 Jul	00:00 to 06:00	11600	650	10950	3653	7297	0	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL
		06:00 to 18:00	11600	650	10950	4615	6335	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
		18:00 to 24:00	11600	650	10950	3653	7297	0	
<ul style="list-style-type: none"> <li>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.</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 2) 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) 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</li> <li>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.</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)	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 Jul to 31 Jul	00:00 to 24:00	NA	NA		NA		0	
NER	01 Jul to 31 Jul	00:00 to 07:00	820	60	760	455	305	0	
		07:00 to 12:00	900	60	840	455	385	0	
		12:00 to 17:00	810	60	750	455	295	0	
		17:00 to 21:00	770	60	710	455	255	0	
		21:00 to 24:00	820	60	760	455	305	0	
NR	01 Jul to 31 Jul	00:00 to 06:00	25800	1400	24400	16114	8286	0	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project

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
									Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL (v) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (vi) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (vii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)
		06:00 to 18:00	25800	1400	24400	16438	7962	0	
		18:00 to 24:00	25800	1400	24400	16114	8286	0	
SR	01 Jul to 31 Jul	00:00 to 06:00	17300	1000	16300	6903	9397	0	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL
		06:00 to 18:00	17300	1000	16300	7931	8369	0	
		18:00 to 24:00	17300	1000	16300	6903	9397	0	
WR	01 Jul to 31 Jul	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
- 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.
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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 Jul	00:00 to 24:00	NA	NA		NA		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
	to 31 Jul								
NER	01 Jul to 31 Jul	00:00 to 07:00	3430	60	3370	258	3112	0	
		07:00 to 12:00	3450	60	3390	258	3132	0	
		12:00 to 17:00	3400	60	3340	258	3082	0	
		17:00 to 21:00	3320	60	3260	258	3002	0	
		21:00 to 24:00	3430	60	3370	258	3112	0	
NR	01 Jul to 31 Jul	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 Jul to 31 Jul	00:00 to 06:00	6350	650	5700	1918	3782	0	Revised STOA margin due to (i) Discontinuation of MTOA quantum of 102 MW from SEILP2 to Gujarat (ii) Discontinuation of allocation quantum of 100 MW from SR_ISGS to Uttarakhand (iii) Decrease in allocation quantum of 50 MW from SR ISGS to Delhi (iv) Increase in LTA quantum of 200 MW from Sembcorp Energy India Limited to Bangladesh(ER)
		06:00 to 18:00	6350	650	5700	2268	3432	0	
		18:00 to 24:00	6350	650	5700	1918	3782	0	
WR	01 Jul to 31 Jul	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 - 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.
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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	0-2
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-2
ER-NR	Inter-regional flow pattern towards NR	0-2
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-2
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-2
SR-WR	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	0-2
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-2
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	0-2
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-2
NR_EXPORT	(N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C	0-2
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-2
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	0-2
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	0-2
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-2

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
0	28 Mar			
1	10 Apr	01 Jul to 31 Jul	Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDLto MP ii) New approved LTA from TPREL to TPC MSEB iii) Discontinuation of MTOA of 58 MW from RUVNL to MP	NR-WR
		01 Jul to 31 Jul	Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDLto MP ii) New approved LTA from TPREL to TPC MSEB iii) Discontinuation of MTOA of 58 MW from RUVNL to MP	NR_EXPORT
2	28 Apr	01 Jul to 31 Jul	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL	WR-NR
		01 Jul to 31 Jul	Revised STOA margin due to (i) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (ii) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (iii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)	ER-NR
		01 Jul to 31 Jul	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL	WR-SR
		01 Jul to 31 Jul	Revised STOA margin due to (i) Discontinuation of MTOA quantum of 102 MW from SEILP2 to Gujarat (ii) Discontinuation of allocation quantum of 100 MW from SR_ISGS to Uttarakhand	SR-WR
		01 Jul to 31 Jul	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 55 MW from NETRA_KOTDA_BHUJ_W to HARYANA (ii) Operationalisation of new LTA quantum of 200 MW from PVG_AdaniKANine to UPPCL (iii)Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to NCRALL (iv) Non-Availability of application in WBES of LTA quantum of 200 MW from SBG Cleantech Project Co. Five Pvt. Ltd. (SR-Pavagada) to UPPCL (v) Increase in allocation quantum of 5 MW from BRBCL(Railway) to DELHI (vi) Decrease in allocation quantum of 30 MW from BRBCL(Railway) to Uttar Pradesh (NR RAILWAYS ) (vii) Decrease in allocation quantum of 20 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)	NR_IMPORT
		01 Jul to 31 Jul	Revised STOA margin due to (i) Operationalisation of new LTA quantum of 16.8 MW from APRAAVA_KHKRDA_JAM_W to PONDY (ii) Operationalisation of new LTA quantum of 25 MW from SHERISHA_RAIPUR_S to SWR_IR_KPTCL	SR_IMPORT
		01 Jul to 31 Jul	Revised STOA margin due to (i) Discontinuation of MTOA quantum of 102 MW from SEILP2 to Gujarat (ii) Discontinuation of allocation quantum of 100 MW from SR_ISGS to Uttarakhand (iii) Decrease in allocation quantum of 50 MW from SR ISGS to Delhi (iv) Increase in LTA quantum of 200 MW from Sembcorp Energy India Limited to Bangladesh(ER)	SR_EXPORT

### BASECASE LGBR

S.No.	Name of State/Region	Load	Month:	July'23
			Generation	

		Peak Load (MW)	Off Peak Load (MW)	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
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