

National Load Despatch Centre Total Transfer Capability for Apr 2023									
Issue Date:Mar 31 2023				Issue Time:15:50:11			Revision No :5		
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 Apr to 30 Apr	00:00 to 17:00	1720	60	1660	455	1205	0	
		17:00 to 21:00	1500	60	1440	455	985	0	
		21:00 to 24:00	1720	60	1660	455	1205	0	
ER-NR	01 Apr to 01 Apr	00:00 to 24:00	8000	400	7600	4969	2631	0	
		00:00 to 08:00	8000	400	7600	4969	2631	0	
		08:00 to 24:00	7800	400	7400	4969	2431	-200	TTC/ATC curtailed in view of shutdown of 765 kV Jbalapur Orai Ckt 1
	05 Apr to 30 Apr	00:00 to 24:00	8000	400	7600	4969	2631	0	
ER-SR	01 Apr to 30 Apr	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 Apr to 30 Apr	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Apr to 30 Apr	00:00 to 17:00	2980	60	2920	258	2662	0	
		17:00 to 21:00	2950	60	2890	258	2632	0	
		21:00 to 24:00	2980	60	2920	258	2662	0	
NR-ER	01 Apr	00:00 to 06:00	2000	200	1800	125	1675	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 30 Apr	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 Apr to 30 Apr	00:00 to 06:00	4000	500	3500	1232	2268	0	
		06:00 to 18:00	4000	500	3500	5035	0	0	
		18:00 to 24:00	4000	500	3500	1232	2268	0	
SR-ER	01 Apr to 30 Apr	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Apr to 30 Apr	00:00 to 06:00	6700	650	6050	852	5198	0	
		06:00 to 18:00	6700	650	6050	1052	4998	0	
		18:00 to 24:00	6700	650	6050	852	5198	0	
W3 Injection	01 Apr to 30 Apr	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Apr to 30 Apr	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Apr to 01 Apr	00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 18:00	17800	1000	16800	11434	5366	0	
		18:00 to 24:00	17800	1000	16800	11135	5665	0	
	02 Apr to 04 Apr	00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 08:00	17800	1000	16800	11434	5366	0	
		08:00 to 18:00	17100	1000	16100	11434	4666	-700	TTC/ATC curtailed in view of shutdown of 765 kV

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
									Jbalapur Orai Ckt 1
WR-SR	05 Apr to 30 Apr	18:00 to 24:00	17100	1000	16100	11135	4965	-700	
		00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 18:00	17800	1000	16800	11434	5366	0	
		18:00 to 24:00	17800	1000	16800	11135	5665	0	
	01 Apr to 30 Apr	00:00 to 06:00	11600	650	10950	3611	7339	0	
		06:00 to 18:00	11600	650	10950	4573	6377	0	
		18:00 to 24:00	11600	650	10950	3611	7339	0	

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\*\*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.

1) 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) KWPC, 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 POSOCO/NLDC "News Update" (Flasher) Section

^Though 3X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

^In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by taking appropriate measures.

SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS..

**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 Apr to 30 Apr	00:00 to 24:00	NA	NA		NA		0		
NER	01 Apr to 30 Apr	00:00 to 17:00	1220	60	1160	455	705	0		
		17:00 to 21:00	1000	60	940	455	485	0		
		21:00 to 24:00	1220	60	1160	455	705	0		
NR	01 Apr to 01 Apr	00:00 to 06:00	25800	1400	24400	16104	8296	0		
		06:00 to 18:00	25800	1400	24400	16403	7997	0		
		18:00 to 24:00	25800	1400	24400	16104	8296	0		
	02 Apr to 04 Apr	00:00 to 06:00	25800	1400	24400	16104	8296	0		
		06:00 to 08:00	25800	1400	24400	16403	7997	0		
		08:00 to 18:00	24900	1400	23500	16403	7097	-900	TTC/ATC curtailed in view of shutdown of 765 kV Jbalapur Orai Ckt 1	
	05 Apr to 30 Apr	18:00 to 24:00	24900	1400	23500	16104	7396	-900		
		00:00 to 06:00	25800	1400	24400	16104	8296	0		
		06:00 to 18:00	25800	1400	24400	16403	7997	0		
	SR	01 Apr to	00:00 to 06:00	17300	1000	16300	6862	9438	0	
			06:00 to 18:00	17300	1000	16300	7889	8411	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
WR	30 Apr	18:00 to 24:00	17300	1000	16300	6862	9438	0	
	01 Apr to 30 Apr	00:00 to 24:00	NA	NA			0	0	

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

\*\*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.

\* For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio: Margin in Simultaneous import of NR = A WR-NR ATC =B ER-NR ATC = C Margin for WR-NR applicants = A \* B/(B+C) Margin for ER-NR Applicants = A \* C/(B+C)

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implemetation

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS..

**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 Apr to 30 Apr	00:00 to 24:00	NA	NA		NA		0	
NER	01 Apr to 30 Apr	00:00 to 17:00	3480	60	3420	258	3162	0	
		17:00 to 21:00	3450	60	3390	258	3132	0	
		21:00 to 24:00	3480	60	3420	258	3162	0	
NR	01 Apr to	00:00 to 06:00	4000	500	3500	1357	2143	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
	30 Apr	06:00 to 18:00	4000	500	3500	7025	0	0	
		18:00 to 24:00	4000	500	3500	1357	2143	0	
SR	01 Apr to 30 Apr	00:00 to 06:00	5650	650	5000	1970	3030	0	
		06:00 to 18:00	5650	650	5000	2320	2680	0	
		18:00 to 24:00	5650	650	5000	1970	3030	0	
WR	01 Apr to 30 Apr	00:00 to 24:00	NA	NA		NA		0	

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

**Limiting Constraints**

Corridor	Constraints	Revisions
WR-NR	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-5
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-5
ER-NR	Inter-regional flow pattern towards NR	0-5
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-5
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-5
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	0-5
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-5
NER-ER	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurdhar II or I	3-5
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-5
NR_EXPORT	(N-1) Contingency of 400 kV Kankroli-Zerda-S/C will overload 400 KV Bhinmal-Zerda-S/C	1-5
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-5
NER_EXPORT	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurdhar II or I	3-5
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	0-5
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-5

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
0	28 Dec			
1	28 Jan	01 Apr to 30 Apr	TTC/ATC revised due to change in LGB and network configuration	NR-WR
		01 Apr to 30 Apr	Revised STOA margin due to (i)operationalisation of new approved allocation of 50 MW from BARH stage-1 to Uttrakhand (ii)operationalisation of new approved allocation of 64.24 MW from Darlipali to Uttrakhand (iii)operationalisation of new approved allocation of 9.195 MW from FSTPP III to Uttrakhand (iv) operationalisation of new approved allocation of 14.266 MW from KHSTPP I to Uttrakhand (v) operationalisation of new approved allocation of 63.784 MW from KHSTPP II to Uttrakhand (vi) operationalisation of new approved allocation of 46.57 MW from MANGDECHU to Uttrakhand	ER-NR
		01 Apr to 30 Apr	Revised STOA margin due to (i)operationalisation of new approved allocation of 50 MW from BARH stage-1 to Uttrakhand (ii)operationalisation of new approved allocation of 64.24 MW from Darlipali to Uttrakhand (iii)operationalisation of new approved allocation of 9.195 MW from FSTPP III to Uttrakhand (iv) operationalisation of new approved allocation of 14.266 MW from KHSTPP I to Uttrakhand (v) operationalisation of new approved allocation of 63.784 MW from KHSTPP II to Uttrakhand (vi) operationalisation of new approved allocation of 46.57 MW from MANGDECHU to Uttrakhand	NR_IMPORT
		01 Apr to 30 Apr	TTC/ATC revised due to change in LGB and network configuration	NR_EXPORT
2	28 Feb	01 Apr to 30 Apr	Revised STOA margin due to decrease in allocation by 28.1 MW from KAHALGAON STPS STAGE II to Uttrakhand	ER-NR
		01 Apr to 30 Apr	Revised STOA margin due to decrease in allocation by 28.1 MW from KAHALGAON STPS STAGE II to Uttrakhand	NR_IMPORT
3	28 Mar	01 Apr to 30 Apr	Revised STOA margin due to I) Discontinuation of Allocation of 100 MW from SR ISGS to Uttarakhand. II) Operationalisation of new LTA quantum of 50 MW from OEPL to UPPCL III) Operationalisation of new LTA quantum of 50 MW from AWEKFLto UPPCL	WR-NR
		01 Apr to 30 Apr	Revised STOA margin due to I) Discontinuation of Allocation of 46.57 MW from MANGDECHU to Uttarakhand II) Discontinuation of Allocation of 64.24 MW from Darlipali to Uttarakhand III) Discontinuation of Allocation of 9.195 MW from FSTPP III to Uttarakhand IV) Discontinuation of Allocation of 50 MW from BARH stage-1 to Uttarakhand V) Discontinuation of Allocation of 14.26 MW from KAHALGAON STPS STAGE I to Uttarakhand VI) Decrease in Allocation quantum by 35.78 MW from KAHALGAON STPS STAGE II to Uttarakhand	ER-NR
		01 Apr to 30 Apr	Revised STOA margin due to I) Discontinuation of Allocation of 100 MW from SR ISGS to Uttarakhand. II) Operationalisation of new LTA quantum of 50 MW from OEPL to UPPCL III) Operationalisation of new LTA quantum of 50 MW from AWEKFLto UPPCL III) Discontinuation of Allocation of 46.57 MW from MANGDECHU to Uttarakhand IV) Discontinuation of Allocation of 64.24 MW from Darlipali to Uttarakhand V) Discontinuation of Allocation of 9.195 MW from FSTPP III to Uttarakhand VI) Discontinuation of Allocation of 50 MW from BARH stage-1 to Uttarakhand VII) Discontinuation of Allocation of 14.26 MW from KAHALGAON STPS STAGE I to	NR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
4	30 Mar		Uttarakhand VIII) Decrease in Allocation quantum by 35.78 MW from KAHALGAON STPS STAGE II to Uttarakhand	
		01 Apr to 30 Apr	TTC/ATC curtailed due to shutdown of 400KV-KOLHAPUR-MS-KOLHAPUR GIS-2	SR-WR
		01 Apr to 30 Apr	TTC/ATC revised due to change in LGB	ER-NER
		01 Apr to 30 Apr	TTC/ATC revised due to change in LGB	NER-ER
		01 Apr to 30 Apr	TTC/ATC revised due to change in LGB	NER_IMPORT
5	31 Mar	01 Apr to 30 Apr	TTC/ATC revised due to change in LGB	NER_EXPORT
		01 Apr to 30 Apr	TTC/ATC curtailed due to shutdown of 400KV-KOLHAPUR-MS-KOLHAPUR GIS-2	SR_EXPORT
		02 Apr to 04 Apr	TTC/ATC curtailed in view of shutdown of 765 kV Jbalapur Orai Ckt 1	WR-NR
		02 Apr to 04 Apr	TTC/ATC curtailed in view of shutdown of 765 kV Jbalapur Orai Ckt 1	ER-NR
		02 Apr to 04 Apr	TTC/ATC curtailed in view of shutdown of 765 kV Jbalapur Orai Ckt 1	NR_IMPORT

BASECASE LGBR					
S.No.	Name of State/Region	Load		Month: Generation	Apr'23
		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