

National Load Despatch Centre Total Transfer Capability for May 2023									
Issue Date: Apr 29 2023					Issue Time: 17:34:52			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 May to 31 May	00:00 to 07:00	935	60	875	455	420	0	
		07:00 to 12:00	1025	60	965	455	510	0	
		12:00 to 17:00	1000	60	940	455	485	0	
		17:00 to 21:00	790	60	730	455	275	0	
		21:00 to 24:00	935	60	875	455	420	0	
ER-NR	01 May to 31 May	00:00 to 24:00	8000	400	7600	4924	2676	0	
ER-SR	01 May to 31 May	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 May to 31 May	00:00 to 24:00	No limit is being specified.						
NER-ER	01 May to 31 May	00:00 to 07:00	3285	60	3225	258	2967	0	
		07:00 to 12:00	3295	60	3235	258	2977	0	
		12:00 to 17:00	3260	60	3200	258	2942	0	
		17:00 to 21:00	3235	60	3175	258	2917	0	
		21:00 to 24:00	3285	60	3225	258	2967	0	
NR-ER	01 May to 31 May	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 May to 31 May	00:00 to 06:00	4000	500	3500	1567	1933	0	
		06:00 to 18:00	4000	500	3500	5477	0	0	
		18:00 to 24:00	4000	500	3500	1567	1933	0	
SR-ER	01 May to 31 May	00:00 to 24:00	No limit is being specified.						
SR-WR	01 May to 31 May	00:00 to 06:00	6700	650	6050	650	5400	-700	ATC-TTC revised due to shutdown of 400kV Kolhapur-Kolhapur ckt 2
		06:00 to 18:00	6700	650	6050	850	5200	-700	
		18:00 to 24:00	6700	650	6050	650	5400	-700	
W3 Injection	01 May to 31 May	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 May to 31 May	00:00 to 24:00	No limit is being specified.						
WR-NR	01 May to 31 May	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 May to 31 May	00:00 to 06:00	11600	650	10950	3653	7297	0	
		06:00 to 18:00	11600	650	10950	4615	6335	0	
		18:00 to 24:00	11600	650	10950	3653	7297	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) 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 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 May to 31 May	00:00 to 24:00	NA	NA		NA		0	
NER	01 May to 31 May	00:00 to 07:00	935	60	875	455	420	0	
		07:00 to 12:00	1025	60	965	455	510	0	
		12:00 to 17:00	1000	60	940	455	485	0	
		17:00 to 21:00	790	60	730	455	275	0	
		21:00 to 24:00	935	60	875	455	420	0	
NR	01 May to 31 May	00:00 to 06:00	25800	1400	24400	16114	8286	0	
		06:00 to 18:00	25800	1400	24400	16438	7962	0	
		18:00 to 24:00	25800	1400	24400	16114	8286	0	
SR	01 May to 31 May	00:00 to 06:00	17300	1000	16300	6903	9397	0	
		06:00 to 18:00	17300	1000	16300	7931	8369	0	
		18:00 to 24:00	17300	1000	16300	6903	9397	0	
WR	01 May to 31 May	00:00 to 24:00	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) 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.
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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 May to 31 May	00:00 to 24:00	NA	NA		NA		0	
NER	01 May to 31 May	00:00 to 07:00	3265	60	3205	258	2947	0	
		07:00 to 12:00	3275	60	3215	258	2957	0	
		12:00 to 17:00	3240	60	3180	258	2922	0	
		17:00 to 21:00	3200	60	3140	258	2882	0	
		21:00 to 24:00	3265	60	3205	258	2947	0	
NR	01 May to 31 May	00:00 to 06:00	4000	500	3500	1694	1806	0	
		06:00 to 18:00	4000	500	3500	7467	0	0	
		18:00 to 24:00	4000	500	3500	1694	1806	0	
SR	01 May to 31 May	00:00 to 06:00	5650	650	5000	1918	3082	-700	ATC-TTC revised due to shutdown of 400kV Kolhapur-Kolhapur ckt 2
		06:00 to 18:00	5650	650	5000	2268	2732	-700	
		18:00 to 24:00	5650	650	5000	1918	3082	-700	
WR	01 May to 31 May	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.
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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	0-5
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

Corridor	Constraints	Revisions
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 - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-5
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	0-5
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 - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-5
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
1	28 Feb	01 May to 31 May	Revised STOA margin due to decrease in allocation by 28.1 MW from KAHALGAON STPS STAGE II to Uttrakhand
		01 May to 31 May	Revised STOA margin due to decrease in allocation by 28.1 MW from KAHALGAON STPS STAGE II to Uttrakhand
2	28 Mar	01 May to 31 May	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
		01 May to 31 May	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
		01 May to 31 May	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 Uttarakhand VIII) Decrease in Allocation quantum by 35.78 MW from KAHALGAON STPS STAGE II to Uttarakhand
3	10 Apr	01 May to 31 May	Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDL to MP ii) New approved LTA from TPREL to TPCMSEB iii)Discontinuation of MTOA of 58 MW from RUVNL to MP iv) Reallocation of 300 MW unallocated share of NR CGSs to Gujarat
		01 May to 31 May	Revised STOA Margin due to, i) 50 MW increase in LTA quantum from APMPL_BHDL to MP ii) New approved LTA from TPREL to TPCMSEB iii)Discontinuation of MTOA of 58 MW from RUVNL to MP iv) Reallocation of 300 MW unallocated share of NR CGSs to Gujarat
4	28 Apr	01 May to 31 May	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
		01 May to 31 May	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)
		01 May to 31 May	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
		01 May to 31 May	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
		01 May to 31 May	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)
		01 May to 31 May	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
5	29 Apr	01 May to 31 May	ATC-TTC revised due to shutdown of 400kV Kolhapur-Kolhapur ckt 2
		01 May to 31 May	ATC-TTC revised due to shutdown of 400kV Kolhapur-Kolhapur ckt 2

BASECASE LGBR					
S.No.	Name of State/Region	Load	Month: May'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/PPs	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/PPs	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/PPs	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/PPs	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