

National Load Despatch Centre Total Transfer Capability for Apr 2022									
Issue Date:Feb 28 2022					Issue Time:15:11:32			Revision No :3	
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 01:00	965	60	905	455	450	0	
		01:00 to 07:00	965	60	905	455	450	0	
		07:00 to 12:00	935	60	875	455	420	0	
		12:00 to 17:00	940	60	880	455	425	0	
		17:00 to 21:00	720	60	660	455	205	0	
		21:00 to 24:00	965	60	905	455	450	0	
ER-NR	01 Apr to 30 Apr	00:00 to 24:00	5900	400	5500	4371	1129	0	
ER-SR	01 Apr to 30 Apr	00:00 to 06:00	5700	350	5350	2675	2675	0	
		06:00 to 18:00	5700	350	5350	2760	2590	0	
		18:00 to 24:00	5700	350	5350	2675	2675	0	
ER-W3	01 Mar to 31 Mar	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Apr to 30 Apr	00:00 to 01:00	3370	60	3310	81	3229	0	
		01:00 to 07:00	3370	60	3310	81	3229	0	
		07:00 to 12:00	3355	60	3295	81	3214	0	
		12:00 to 17:00	3340	60	3280	81	3199	0	
		17:00 to 21:00	3285	60	3225	81	3144	0	
		21:00 to 24:00	3370	60	3310	81	3229	0	
NR-ER	01 Apr to 30 Apr	00:00 to 06:00	2000	200	1800	93	1707	0	Revised STOA margin due to increase in LTA quantum by 33 MW from AP41PL_BHDL to Odisha
		06:00 to 18:00	2000	200	1800	1575	225	0	
		18:00 to 24:00	2000	200	1800	93	1707	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
NR-WR	01 Apr to 30 Apr	00:00 to 06:00	2500	500	2000	628	1372	0	Revised STOA margin due to a) Increase in LTA quantum by 150 MW from ASunceEPL_BKN to Maharashtra b)Increase in LTA quantum by 40 MW from AvSusRJPL_BKN to TSSPDCL c)Operationalization of new LTA of 300 MW from ACME to Maharashtra d) Operationalization of new LTA of 125 MW from NSNTPC_FTG1 to TSSPDCL
		06:00 to 18:00	2500	500	2000	2770	0	0	
		18:00 to 24:00	2500	500	2000	628	1372	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 24:00	7400	400	7000	983	6017	0	
W3 Injection	01 Mar to 31 Mar	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Mar to 31 Mar	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Apr to 30 Apr	00:00 to 06:00	18550	1000	17550	10483	7067	0	
		06:00 to 18:00	18550	1000	17550	10872	6678	0	
		18:00 to 24:00	18550	1000	17550	10483	7067	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-SR	01 Apr to 30 Apr	00:00 to 24:00	11600	650	10950	3860	7090	0	Revised STOA margin due to a) operationalization of LTA of 125 MW from From Fatehgarh-I Solar to Telengana b) operationalization of LTA of 140 MW from Bikener Solar (AvSusRJPL) to Telengana

* 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 Raikhedha, 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 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 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 Mar to 31 Mar	00:00 to 24:00	NA	NA		NA		0	
NER	01 Apr	00:00 to 01:00	965	60	905	455	450	0	

Corridor	to 30 Apr 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
		01:00 to 07:00	965	60	905	455	450	0	
		07:00 to 12:00	935	60	875	455	420	0	
		12:00 to 17:00	940	60	880	455	425	0	
		17:00 to 21:00	720	60	660	455	205	0	
		21:00 to 24:00	965	60	905	455	450	0	
NR	01 Apr to 30 Apr	00:00 to 06:00	24450	1400	23050	14854	8196	0	
		06:00 to 18:00	24450	1400	23050	15243	7807	0	
		18:00 to 24:00	24450	1400	23050	14854	8196	0	
SR	01 Apr to 30 Apr	00:00 to 06:00	17300	1000	16300	6535	9765	0	Revised STOA margin due to a) operationalization of LTA of 125 MW from Fatehgarh-I Solar to Telengana b) operationalization of LTA of 140 MW from Bikener Solar (AvSusRJPL) to Telengana
		06:00 to 18:00	17300	1000	16300	6620	9680	0	
		18:00 to 24:00	17300	1000	16300	6535	9765	0	
WR	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 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 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 Mar to 31 Mar	00:00 to 24:00	NA	NA		NA		0	
NER	01 Apr to 30 Apr	00:00 to 01:00	3370	60	3310	81	3229	0	
		01:00 to 07:00	3370	60	3310	81	3229	0	
		07:00 to 12:00	3355	60	3295	81	3214	0	
		12:00 to 17:00	3340	60	3280	81	3199	0	
		17:00 to 21:00	3285	60	3225	81	3144	0	
		21:00 to 24:00	3370	60	3310	81	3229	0	
NR	01 Apr to 30 Apr	00:00 to 06:00	4500	700	3800	721	3079	0	
		06:00 to 18:00	4500	700	3800	4345	0	0	Revised STOA margin due to a) Increase in LTA quantum by 150 MW from ASunceEPL_BKN to Maharashtra b)Increase in LTA quantum by 40 MW from AvSusRJPPL_BKN to TSSPDCL c)Operationalization of new LTA of 300 MW from ACME to Maharashtra d) Operationalization of new LTA of 125 MW from NSNTPC_FTG1 to TSSPDCL e) Increase in LTA quantum by 33 MW from AP41PL_BHDL to Odisha
		18:00 to 24:00	4500	700	3800	721	3079	0	
SR	01 Apr to 30 Apr	00:00 to 24:00	6350	400	5950	1804	4146	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 Vindhychal-Varanasi will overload the other circuit	0-3
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-3
ER-NR	Inter-regional flow pattern towards NR	0-3
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-3
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-3
SR-WR	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-3
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-3
NER-ER	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I	0-3
NR_IMPORT	Inter-regional flow pattern towards NR	0-3
NR_EXPORT	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli	0-3
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-3
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	0-3
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	0-3
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-3

Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	04 Jan	01 Apr to 30 Apr	TTC/ATC Revised after commissioning of HVDC Raigarh - Pugalur Pole - IV	WR-SR
		01 Apr to 30 Apr	TTC/ATC Revised after commissioning of HVDC Raigarh - Pugalur Pole - IV	SR-WR
		01 Apr to 30 Apr	TTC/ATC Revised after commissioning of HVDC Raigarh - Pugalur Pole - IV	ER-SR
		01 Apr to 30 Apr	TTC/ATC Revised after commissioning of HVDC Raigarh - Pugalur Pole - IV	SR_IMPORT
		01 Apr to 30 Apr	TTC/ATC Revised after commissioning of HVDC Raigarh - Pugalur Pole - IV	SR_EXPORT
2	28 Jan	01 Apr to 30 Apr	Revised STOA margin due to a) Operationalization of LTA OF 200 MW from ARERJL to Maharastra b) Operationalization of LTA OF 75.55 MW from AvSusRJPLL_BKN to TSSPDCL c) Operationalization of LTA OF 29.45 MW from AvSusRJPLL_BKN to TSSPDCL	NR-WR
		01 Apr to 30 Apr	Revised STOA margin due to a) Operationalization of LTA OF 200 MW from AP43PL_BKN to JBVNL b) Increase in quantum of LTA by 33.33 MW from AP41PL_BHDL to ODISHA	NR-ER
		01 Apr to 30 Apr	Revised STOA margin due to a) Increase in quantum of LTA by 10 MW from BRBCL(Railway) to DELHI b) Increase in quantum of LTA by 40 MW from BRBCL(Railway) to HARYANA c) Decrease in quantum of LTA by 35 MW from BRBCL(Railway) to UTTAR PRADESH(UP - STU)	ER-NR
		01 Apr to 30 Apr	Revised STOA margin due to a) Increase in quantum of LTA by 44.17 MW from From Fatehgarh-II Solar to Telangana b) Increase in quantum of LTA by 73.62 MW from From Bhadla-II Solar to Telangana	WR-SR
		01 Apr to 30 Apr	Revised STOA margin due to a) Increase in quantum of LTA by 10 MW from BRBCL(Railway) to DELHI b) Increase in quantum of LTA by 40 MW from BRBCL(Railway) to HARYANA c) Decrease in quantum of LTA by 35 MW from BRBCL(Railway) to UTTAR PRADESH(UP -STU)	NR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 Apr to 30 Apr	Revised STOA margin due to a) Increase in quantum of LTA by 44.17 MW from From Fatehgarh-II Solar to Telangana b) Increase in quantum of LTA by 73.62 MW from From Bhadla-II Solar to Telangana	SR_IMPORT
		01 Apr to 30 Apr	Revised STOA margin due to a) Operationalization of LTA OF 200 MW from ARERJL to Maharastra b) Operationalization of LTA OF 75.55 MW from AvSusRJPPL_BKN to TSSPDCL c) Operationalization of LTA OF 29.45 MW from AvSusRJPPL_BKN to TSSPDCL d) Operationalization of LTA OF 200 MW from AP43PL_BKN to JBVNL e) Increase in quantum of LTA by 33.33 MW from AP41PL_BHDL to ODISHA	NR_EXPORT
3	28 Feb	01 Apr to 30 Apr	Revised STOA margin due to a) Increase in LTA quantum by 150 MW from ASunceEPL_BKN to Maharashtra b) Increase in LTA quantum by 40 MW from AvSusRJPPL_BKN to TSSPDCL c) Operationalization of new LTA of 300 MW from ACME to Maharashtra d) Operationalization of new LTA of 125 MW from NSNTPC_FTG1 to TSSPDCL	NR-WR
		01 Apr to 30 Apr	Revised STOA margin due to increase in LTA quantum by 33 MW from AP41PL_BHDL to Odisha	NR-ER
		01 Apr to 30 Apr	Revised STOA margin due to a) operationalization of LTA of 125 MW from From Fatehgarh-I Solar to Telangana b) operationalization of LTA of 140 MW from Bikener Solar (AvSusRJPPL) to Telangana	WR-SR
		01 Apr to 30 Apr	Revised STOA margin due to a) operationalization of LTA of 125 MW from From Fatehgarh-I Solar to Telangana b) operationalization of LTA of 140 MW from Bikener Solar (AvSusRJPPL) to Telangana	SR_IMPORT
		01 Apr to 30 Apr	Revised STOA margin due to a) Increase in LTA quantum by 150 MW from ASunceEPL_BKN to Maharashtra b) Increase in LTA quantum by 40 MW from AvSusRJPPL_BKN to TSSPDCL c) Operationalization of new LTA of 300 MW from ACME to Maharashtra d) Operationalization of new LTA of 125 MW from NSNTPC_FTG1 to TSSPDCL e) Increase in LTA quantum by 33 MW from AP41PL_BHDL to Odisha	NR_EXPORT

ASSUMPTIONS IN BASECASE					
Month : April 2022					
S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	10744	10867	3971	3971
2	Haryana	9492	9088	2701	2701
3	Rajasthan	10485	9635	8259	8259
4	Delhi	5321	5152	796	795
5	Uttar Pradesh	20631	20099	10623	10689
6	Uttarakhand	2124	1886	928	939
7	Himachal Pradesh	1354	1114	783	769
8	Jammu & Kashmir	2363	1962	884	883
9	Chandigarh	313	249	0	0
10	ISGS/IPPs	48	48	21958	20013
	Total NR	62875	60100	50903	49019
II	EASTERN REGION				
1	Bihar	6537	5617	356	349
2	Jharkhand	1958	1503	511	501
3	Damodar Valley Corporation	2985	2723	5856	4190
4	Orissa	4513	4310	3998	3798
5	West Bengal	9704	8401	7033	6210
6	Sikkim	119	116	0	0
7	Bhutan	181	181	2325	2325
8	ISGS/IPPs	810	810	15771	11533
	Total ER	26808	23662	35850	28906
III	WESTERN REGION				

1	Maharashtra	17405	16509	11624	10789
2	Gujarat	13918	11320	8601	7246
3	Madhya Pradesh	9254	8534	3596	3845
4	Chattisgarh	4309	3965	2531	2835
5	Daman and Diu	276	236	0	0
6	Dadra and Nagar Haveli	744	870	0	0
7	Goa-WR	534	420	0	0
8	ISGS/IPPs	1784	3263	36712	32338
	Total WR	48224	45117	63064	57053
IV	SOUTHERN REGION				
1	Andhra Pradesh	8024	7220	6268	5204
2	Telangana	9100	8117	5196	5078
3	Karnataka	8396	6654	6023	4850
4	Tamil Nadu	15210	13068	7256	6376
5	Kerala	3778	2349	1614	961
6	Pondy	264	264	0	0
7	Goa-SR	82	82	0	0
8	ISGS/IPPs	37	37	14805	14794
	Total SR	44891	37791	41162	37263
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	140	95	118	118
2	Assam	1849	1588	615	574
3	Manipur	207	86	105	103
4	Meghalaya	315	255	302	229
5	Mizoram	150	55	60	60
6	Nagaland	173	155	96	93
7	Tripura	435	260	300	300
8	ISGS/IPPs	0	0	2371	2370
	Total NER	3269	2494	3967	3847
	Total All India	186067	169164	194946	176088