Issue Date: 20th July 2018 Issue Time: 1800 hrs Revision No. 11

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
	1 of July 2010 to	00-06				55	1945		
NR-WR*	1st July 2018 to 31st July 2018	06-18	2500	500	2000	65	1935		
	31st 3tily 2010	18-24				55	1945		
		00.720	12000	500	11500	9179	2321		
	1st July 2018 to	00-730	11050**	500	10550**	8229**	2321**		
	2nd July 2018		11000		10500	9179	1321		
	J	730-24		500					
			10050**		9550**	8229**	1321**		
	3rd July 2018 to	00.24	12000	500	11500	9179	2321		
	5th July 2018	00-24	11050**	500	10550**	8229**	2321**		
WR-NR*			12000		11500	9179	2321		
		00-05'		500		, , ,			
	6th July 2018		11050**		10550**	8229**	2321**		
	our sary 2010	05.04	10500	7 00	10000	9179	821		
		05-24'	9550**	500	9050**	8229**	821**		
			12000		11500	9179	2321		
	07th July 2018 to 31st July 2018	00-24	12000	500	11000	7117	2521		
			11050**		10550**	8229**	2321**		
		00-06	2000		1800	193	1607	Π	
NR-ER*	1st July 2018 to	06-18	2000	200	1800	303	1497	_	
	31st July 2018	18-24	2000		1800	193	1607		
ER-NR*	1st July 2018 to 02nd July 2018	00-24	5250	300	4950	3413	1537		
ER-IVK	3rd July 2018 to 31st July 2018	00-24	5250	300	4950	3523	1427		
	1st July 2018 to								
W3-ER	31st July 2018 to	00-24				No limit is	s being specified.		
ER-W3	1st July 2018 to 31st July 2018	00-24				No limit is	s being specified.		
		00-630	5150		4650		135		
	1-4 1 1 2010			500		4515			
	1st July 2018	630-22	4900	500	4400	4515	0		
		22-24	4900		4400		0		
	02nd July 2019	00-05	5150		4650		135		
	02nd July 2018 to 19th July 2018	05-22	5150	500	4650	4515	135		
WD CD	2010	22-24	5150		4650		135		
WR-SR		00-930	5150		4650		135		
	20th July 2018	0930-18	4950	500	4450	4515	0		
		18-24	5150		4650		135		
		00-05	5150		4650		135		
	21stJuly 2018 to		5150	500	4650	4515	135		
	31st July 2018	05-22		300		4515			
SR-WR *	1st July 2018 to 31st July 2018	22-24 00-24	5150		4650	No limit is	being Specified.		

Issue Date: 20th July 2018 Issue Time: 1800 hrs Revision No. 11

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
		00-06				3262	838		
	1st July 2018	06-18	4350	250	4100	3347	753		
		18-24				3262	838		
ER-SR		00-06	4350		4100	3262	838		
	2nd July 2018 to	06-630	4350	250	4100	3347	753		
	3rd July 2018	630-18	4050	230	3800	3347	453		
		18-24	4050		3800	3262	538		
	44 1 2010 4	00-06				3262	838		
	4th July 2018 to 09th July 2018	06-18	4350	250	4100	3347	753		
		18-24				3262	838		
	10th July 2018 to	00-06	4350	250	4100	3262	838		
		06-09	4350		4100	3347	753		
	11th July 2018	09-18	4150		3900	3347	553		
		18-24	4150		3900	3262	638		
		00-06		250	4100	3262	838		
	12th July 2018	06-18	4350			3347	753		
ER-SR		18-24				3262	838		
EK-SK	101 7 1 0010	00-06	4350		4100	3262	838		
	13th July 2018	06-09	4350	250	4100	3347	753		
	to 14th July 2018	09-18	4150	250	3900	3347	553		
	1 m 3 d 1 y 2010	18-24	4150		3900	3262	638		
	154h Ih 2010	00-06				3262	838		
	15th July 2018 to 21st July 2018	06-18	4350	250	4100	3347	753		
	213t July 2010	18-24				3262	838		
	22 17 1 2010	00-06				2762	1338		Revised STOA margins due to
	22nd July 2018	06-18 4350	4350	250	4100	2847	1253		revokation of LTA granted to Indu-
	to 31st July 2018	18-24				2762	1338		Bharat Energy Ltd.
SR-ER *	1st July 2018 to 31st July 2018	00-24				No limit is	being Specified.		

Issue Date: 20th July 2018 Issue Time: 1800 hrs Revision No. 11

Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments	
	00-17	1250		1205		080			
1st July 2018 to 31st July 2018			45		225		-		
_			45		0				
31st July 2018	23-24	1760		1715		1715			
1st July 2018 to 31st July 2018	00-24	No limit is be	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
	1st July 2018 to 31st July 2018 1st July 2018 to 31st July 2018 1st July 2018 to 31st July 2018	Date Period (hrs) 1st July 2018 to 31st July 2018 to 31st July 2018 to 31st July 2018 1st July 2018 to 31st July 2018 to 31st July 2018 to 31st July 2018 1st July 2018 to 31st July 2018 00-24	Date Time Period (hrs) Transfer Capability (TTC) 1st July 2018 to 31st July 2018 00-17	Date Time Period (hrs) Transfer Capability (TTC) Reliability Margin 1st July 2018 to 31st July 2018 00-17 1250 17-23 1110 45 23-24 1250 17-23 1760 17-23 1780 45 17-23 1780 23-24 1760 17-23 1780 23-24 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23 1760 17-23	Date Time Period (hrs) Transfer Capability (TTC) Reliability Margin Transfer Capability (ATC) 1st July 2018 to 31st July 2018 00-17 1250 17-23 1110 45 1065 1205	Date Period (hrs) Time Period (hrs) Transfer Capability (TTC) Reliability Margin Transfer Capability (ATC) Medium Term Open Access (MTOA) # 1st July 2018 to 31st July 2018 to 31st July 2018 to 31st July 2018 23-24 1250 17-23 1760 1715 1715 1715 1715 1715 1st July 2018 to 31st	Date Period (hrs) Time Period (hrs) Transfer Capability (TTC) Reliability Margin Transfer Capability (ATC) Medium Term Open Access (MTOA) # Short Term Open Access (MTOA) # Stock of the period open Access (MTOA) Short Term Open Access	Time Period (hrs)	

Note: TTC/ATC of S1-(82&83) corridor, Import of S3(Kerala), Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.

**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) KWPCL, 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 commissionned 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.

^{*} 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).

Simultaneous Import Capability

Corrido r	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
ER									
			17100		16300		3708		
		00-730							
			16150** 15700	•	15350** 14900	-	3708** 2308		
		730-18	13700		14900	12592	2308		
	1st July 2018 to		14750**	800	13950**	12372	2308**		
	02nd July 2018		14100	800	13300	1.1.5.4.2 shale	708		
		18-23	13150**		12350**	11642**	708**		
			15700	1	14900	1	2308		
		23-24							
			14750**		13950**		2308**		
		00.19	17100	800	16300	12702	3598		
		00-18	16150**		15350**		3598**		
	3rd July 2018 to		15400		14600	12702	1898		
	05th July 2018	18-23	14450**		13650**	11752**	1898**		
			17100		16300	- 11,02	3598		
NR		23-24	16150**		15350**		3598**		
NK			17100		16300		3598		
		00-05'	1 < 1 5 0 4 4		1.5250**		2500**		
			16150** 15000		15350** 14200		3598** 1498		
		05-18'	2000		1.200				
	6th July 2018		14050**	1	13250**	12702	1498**		
		18-23	13450	800	12650		0		
		10-23	12500**	800	11700**	11750**	0**		
			15000	1	14200	11752**	1498		
		23-24	1 4050**		12050±±		1 <i>1</i> 00 ½ ½		
			14050** 17100		13250** 16300		1498** 3598		
		00-18							
			16150**		15350**	12702	3598**		
	7th July 2018 to	18-23	15400	900	14600	12/02	1898		
	31st July 2018	10-43	14450**	800	13650**	11770	1898**		
		22.24	17100	<u> </u>	16300	11752**	3598		
		23-24	16150**		15350**		3598**		
	1at Int. 2010 4	00-17	1250		1205		980		
NER	1st July 2018 to 31st July 2018	17-23	1110	45	1065	225	840		
	, , , , , , , , , , , , , , , , , , ,	23-24	1250		1205		980		
WR									

		00-06	9500		8750	7777	973		
	1st July 2018	06-630	9500	750	8750	7862	888		
	1300019 2010	630-18	9250	, , , ,	8500	7862	638		
		18-24	9250		8500	7777	723		
	02nd July 2018	00-06	9500		8750	7777	973		
	to 03rd July 2018	06-630	9500	750	8750	7862	888		
		630-18	9200		8450	7862	588		
		18-24	9200		8450	7777	673		
	4th July 2018 to	00-06	9500		8750	7777	973		
	09th July 2018	06-18	9500	750	8750	7862	888		
		18-24	9500		8750	7777	973		
		00-06	9500		8750	7777	973		
	10th July 2018 to 11th July	06-09	9500	750	8750	7862	888		
	2018	09-18	9300	750	8550	7862	688		
		18-24	9300		8550	7777	773		
		00-06	9500	750	8750	7777	973		
	12th July 2018	06-18	9500		8750	7862	888		
		18-24	9500		8750	7777	973		
SR	13th July 2018 to 14th July	00-06	9500	750	8750	7777	973		
		06-09	9500		8750	7862	888		
	2018	09-18	9300		8550	7862	688		
		18-24	9300		8550	7777	773		
	15th July 2018	00-06	9500		8750	7777	973		
	to 19th July	06-18	9500	750	8750	7862	888		
	2018	18-24	9500		8750	7777	973		
		00-06	9500		8750	7777	973		
	201 1 1 2010	06-930	9500	750	8750	7862	888		
	20th July 2018	930-18	9300	750	8550	7862	688		
		18-24	9500		8750	7777	973		
		00-06	9500		8750	7777	973		
	21st July 2018	06-18	9500	750	8750	7862	888		
		18-24	9500	†	8750	7777	973		
	22nd July 2018	00-06	9500		8750	7277	1473		Revised STOA marging due to
	to 31st July	06-18	9500	750	8750	7362	1388		Revised STOA margins due to revokation of LTA granted to
	2018	18-24	9500	†	8750	7277	1473		Indu-Bharat Energy Ltd.
	ļ					ļ	ļ	ļ	ļ.

* 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)

Simultaneous Export Capability

Corrido r	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
NR*	1st July 2018 to 31st July 2018	00-06 06-18	4500	700	3800 3800	248 368	3552 3432		
	313t July 2010	18-24	4500		3800	248	3552		
	1st July 2018 to	00-17	1760	45	1715	0	1715		
NER	31st July 2018 to	17-23	1780		1735		1735		
	318t July 2018	23-24	1760		1715		1715		
WD									
WR									
SR *	1st July 2018 to 31st July 2018	00-24				No limit is be	ing Specified.		

^{*} 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).

Limiting Constraints (Corridor wise)

_		Applicable Revisions
Corridor	Constraint	
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	Rev-0 to 11
WR-NR	(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. (n-1) Contingnecy of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida. Frequent outage of HVDC Champa - Kurukshetra poles	Rev-0 Rev- 1 to 11 Rev- 3-11
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev-0 to 11
ER-NR	 N-1 contingencies of 400 kv Mejia-Maithon A S/c N-1 contingencies of 400 kv Kahalgaon-Banka S/c N-1 contingencies of 400kV MPL- Maithon S/C 	Rev-0 to 11
	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev-0 to 11
and ER- SR	Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 11
ER-NER	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW)	Rev-0 to 11
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa	Rev-0 to 11
W3 zone Injection		Rev-0 to 11

Limiting Constraints (Simultaneous)

			Applicable Revisions
		1. N-1 contingencies of 400 kv Mejia-Maithon A S/c	5 0 11
		2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c	Rev-0 to 11
	Import	3. N-1 contingencies of 400kV MPL- Maithon S/c	
NR	Import.	(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.	Rev-0
1111		(n-1) Contingnecy of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida.	Rev-1 to 11
		Frequent outage of HVDC Champa - Kurukshetra poles	Rev-3-11
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	Rev-0 to 11
		(n-1) contingency of 400 kV Saranath-Pusauli	KCV-0 to 11
	T o vet	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa	Rev-0 to 11
NER	Import	b. High loading of 220 kV Balipara-Sonabil line(200 MW)	Rev-0 to 11
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa	Rev-0 to 11
		n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second	Rev-0 to 11
SR	Import	ICT	Kev-0 to 11
		Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 11

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected		
1	2018		Revised considering (a) newly commisioned 765kV Jabalpur-Orai D/C, Orai- Aliagarh D/C, LILO 765kV Satna-Gwalior-1 S/C at Orai, 2*1000MVA 765/400kV Orai ICTs, 400kV Orai PG- Orai UP D/C, LILO of 765kV Kanpur-Jhatikara S/C at Aligarh, LILO of 765kV Agra-Greater Noida at Aligarh and (b) due to restriction on power order of HVDC Mundra - Mahindragarh bipole due to low generation at APL Mundra			
2	11th May 2018	Whole Month	Revised STOA margins due to operationalization of 174 MW LTA from Teesta-III HEP to UP discoms w.e.f. 12th May 2018	ER- NR/Import of NR		
3	27th May 2018	Whole Month	Revised considering (a) Restoration of power order on HVDC Mundra-Mahindragarh due to revival of generation at APL and CGPL plants, b) Frequent outage of HVDC Champa - Kurukshetra poles	WR-NR / Import of NR		
4	29th June	01st July 2018 and 02nd July 2018	Revised due to shutdown of 765kV Phagi-Gwalior-2	WR-NR / Import of NR		
·	2018	01st July 2018	Revised due to shutdown of 765kV Nizamabad- Maheshwaram-2	WR-SR / Import of SR		
5	01st July 2018	02nd July 2018 and 3rd July 2018	Revised due to shutdown of 400kV Jeypore-Gazuwaka-1 and 2 respectively	ER-SR / Import of SR		
6	02nd July 2018	03rd July 2018 to 31st July 2018	Revised STOA margins due to operationalisation of 110 MW MTOA from JITPL, Odisha to Northern Railways (Uttar Pradesh)	ER-NR / Import of NR		
7	5th July 2018	6th July 2018	Revised due to emergency shutdown of HVDC Champa- Kurukshetra Bipole	WR-NR / Import of NR		
8	09th July 2018	10th July 2018 and 11th July 2018	Power order restriction of Talcher-Kolar HVDC to 1800MW due to ACF-2 (Filter Bank-2) shutdown at Kolar.	ER-SR / Import of SR		
9	12th July 2018	13th July 2018 and 14th July 2018	Power order restriction of Talcher-Kolar HVDC to 1800MW due to ACF-3 (Filter Bank-3) shutdown at Kolar.	ER-SR / Import of SR		
10	19th July 2018	20th July 2018	Revised due to shutdown of 765/400kV ICT-1 at Maheshwaram	WR-SR / Import of SR		
11	20th July 2018	22nd July 2018	Revised STOA margins due to revokation of LTA granted to Indu-Bharat Energy Ltd.	ER-SR / Import of SR		

ASSUN	MPTIONS IN BASECASE				
				Month : July'18	
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	9930	10215	4966	4979
2	Haryana	8382	8543	2582	2582
3	Rajasthan	10604	11049	6919	6890
4	Delhi	5892	6206	968	968
5	Uttar Pradesh	15757	15580	9652	9570
6	Uttarakhand	2000	1785	1034	921
7	Himachal Pradesh	1463	1398	775	747
8	Jammu & Kashmir	2450	1808	1171	1161
9	Chandigarh	341	278	0	0
10	ISGS/IPPs	24	25	21264	19125
	Total NR	56842	56888	49331	46943
Ш	EASTERN REGION				
1	Bihar	4118	2870	310	200
2	Jharkhand	1180	879	364	227
3	Damodar Valley Corporation	2946	2686	5264	4211
4	Orissa	4042	3213	2539	2192
5	West Bengal	8671	5746	5360	4272
6	Sikkim	85	85	0	0
7	Bhutan	214	220	1592	1393
8	ISGS/IPPs	264	258	11393	8908
	Total ER	21519	15957	26822	21403
Ш	WESTERN REGION				
1	Maharashtra	18078	13981	12207	9821
2	Gujarat	14438	9108	7871	6560
3	Madhya Pradesh	9530	6420	4533	3587
4	Chattisgarh	4003	3591	2999	2675
5	Daman and Diu	320	278	0	0
6	Dadra and Nagar Haveli	810	724	0	0
7	Goa-WR	505	331	0	0
8	ISGS/IPPs	3712	3407	37104	29370
	Total WR	51396	37840	64714	52013

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	8636	8636	5505	4512
2	Telangana	9615	7115	3735	2937
3	Karnataka	9463	5196	7213	3381
4	Tamil Nadu	14700	12900	8860	7491
5	Kerala	3675	2150	1502	216
6	Pondy	376	376	0	0
7	Goa-SR	85	85	0	0
8	ISGS/IPPs	0	0	13591	11248
	Total SR	46548	36458	40406	29785
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	133	74	0	0
2	Assam	1308	1173	258	136
3	Manipur	166	87	0	0
4	Meghalaya	278	195	192	66
5	Mizoram	99	69	8	8
6	Nagaland	128	86	22	16
7	Tripura	220	147	162	168
8	ISGS/IPPs	160	100	2092	2022
	Total NER	2492	1931	2734	2416
	Total All India	179241	149469	185705	154048