National Load Despatch Centre Total Transfer Capability for April 2019

Issue Date: 28th March 2019

Issue Time: 1800 hrs

Revision No. 4

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
	1st April 2019	00-06				195	1805		
NR-WR*	1	06-18	2500	500	2000	250	1750		
	2019	18-24				195	1805		
WR-NR*	1st April 2019 to 30th April 2019	00-24	13250 12300**	500	12750 11800**	9485 8535**	3265 3265**		Revised STOA margin due to operationalization of the following LTA:- a) Tuticorin - Mytrah Power to UPPCL, Uttar Pradesh - 51.84 MW
	1st April 2019	00-06	2000		1800	193	1607		
NR-ER*	to 30th April	06-18	2000	200	1800	303	1497		
ER-NR*	2019 1st April 2019 to 30th April 2019	18-24 00-24	2000 5250	300	1800 4950	193 3979	1607 971		
W3-ER	1st April 2019 to 30th April 2019	00-24	No limit is being specified.						
ER-W3	1st April 2019 to 30th April 2019	00-24				No limit i	s being specified.		
		00-05	5550		5050		615		
WR-SR	1st April 2019 to 30th April	05-22	5550	500	5050	4435	615		
	2019	22-24 5550		5050	-	615			
SR-WR *	1st April 2019 to 30th April 2019	00-24				No limit i	s being Specified.		<u> </u>
		00-06				2762	1938		
ER-SR	1st April 2019 to 30th April 2019	06-18	4950	250	4700	2847	1853		
		18-24				2762	1938		
SR-ER *	1st April 2019 to 30th April 2019	00-24		No limit is being Specified.					

National Load Despatch Centre Total Transfer Capability for April 2019

Issue Date: 28th March 2019			Issue Time: 1800 hrs			Revision No. 4			
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 at Amril 2010	00-17	1420		1375		1110		Deviced STOA manain due to
ER-NER	1st April 2019		-	45		265		_	Revised STOA margin due to
EK-NEK	to 30th April	17-23	1400	45	1355	205	1090	_	allocation of 40 MW power from
	2019	23-24	1420		1375		1110		Mouda Stg-II to Assam.
	1st April 2019	00-17	2240		2195		2195	_	
NER-ER	to 30th April	17-23	2370	45	2325	0	2325	_	
	2019	23-24	2240		2195		2195		
W3 zone Injection	to 30th April 1 00-24 No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)								
Note: TTC/A	ATC of S1-(S2&S	53) corrido	or, Import of	S3(Kerala),	Import of Pun	jab and Import o	f DD & DNH is u	ploaded or	NLDC website under Intra-
	ction in Monthly	<i>,</i>		. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	•		-	
			efit on accoun	t of LTA/MT	OA transaction	s in the reverse dir	ection would be co	nsidered fo	r advanced transactions (Bilateral &
First Come F	irst 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) 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.

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									
		00.06	17650		16850		3386		
		00-06	16700**		15900**		3386**		Revised STOA margin due to operationalization of the
	1st April 2019		18900	000	18100	13464	4636		following LTA:-
NR	to 30th April 2019	06-17	17950**	800	17150**	12514**	4636**		a) Tuticorin - Mytrah Power to UPPCL, Uttar Pradesh - 51.84
		17-24	17000		16200		2736		MW
			16050**		15250**		2736**		
	1st April 2019	00-17	1420		1375		1110		Revised STOA margin due to
NER	to 30th April	17-23	1400	45	1355	265	1090		allocation of 40 MW power
	2019	23-24	1420		1375		1110		from Mouda Stg-II to Assam.
WR									
		00-06	10500		9750	7197	2553		
SR	1st April 2019 to 30th April 2019	06-18	10500	750	9750	7282	2468		
		18-24	10500		9750	7197	2553		

* 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

	Changes in TTC w.r.t. Last Revision	Margin Available for Short Term Open Access (STOA)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Available Transfer Capability (ATC)	Reliability Margin	Total Transfer Capability (TTC)	Time Period (hrs)	Date	Corridor	
		3412	388	3800	700	4500	00-06	1st April 2019	NR*	
		3247	553	3800		.000	06-18	to 30th April		
		3412	388	3800		4500	18-24	2019		
		2195		2195		2240	00-17	1st April 2019		
	1	2325	0	2325	45	2370	17-23	to 30th April	NER	
		2195		2195			21	2240	23-24	2019
									WD	
									WK	
								1st April 2019		
		eing Specified.	No limit is be				00-24	to 30th April	SR *	
								2019	~	
sidered for edu		3247 3412 2195 2325 2195 eing Specified.	553 388 0 No limit is be	3800 3800 2195 2325 2195	45	2240 2370 2240	06-18 18-24 00-17 17-23 23-24 00-24	to 30th April 2019 1st April 2019 to 30th April 2019 1st April 2019 to 30th April	NER WR	

* 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 4
	(n-1) Contingnecy of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida.	Rev-0 to 1
WR-NR	RVO operation of HVDC Champa Kurukshetra Poles Reversal of BNC-Agra pole towards BNC & blocking of APD-Agra pole due to lean hydro period in NER	Rev-0 to 1
	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Agra (PG) will lead to overloading of the second ICT	Rev-2 to 4
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev-0 to 4
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 4
WR-SR	n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT	Rev-0 to 4
and ER-	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev-0 to 4
SR	Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 4
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 4
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 4
W3 zone Injection		Rev-0 to 4

Limiting Constraints (Simultaneous)

			Applicable Revisions
		 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 4
	Import	(n-1) Contingnecy of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida.	Rev-0 to 1
NR		RVO operation of HVDC Champa Kurukshetra Poles Reversal of BNC-Agra pole towards BNC & blocking of APD-Agra pole due to lean hydro period in NER	Rev-0 to 1
		n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Agra (PG) will lead to overloading of the second ICT	Rev-2 to 4
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220 kV Badod-Modak.	Rev-0 to 4
	Export	(n-1) contingency of 400 kV Saranath-Pusauli	100 0 10 1
NER	Import	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misab. High loading of 220 kV Balipara-Sonabil line (200 MW)	Rev-0 to 4
	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 4
		n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT	Rev-0 to 4
SR	Import	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev-0 to 4
		Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 4

National Load Despatch Centre Total Transfer Capability for April 2019

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
			Revised STOA margins due to: (i) Additional 20 MW LTA to Delhi from Ostro Kutch Wind Power Ltd (OKWPL) (ii) Operationalization of 108 MW MTOA from SKS Power Gen Ltd to Noida Power Company	WR-NR/Import of NR
1	4th Jan 2019	Whole Month	Revised TTC due to: (i) Change in load generation balance (ii) Commissioning of circuit 3 & 4 of 765 kV Angul Jharsuguda (iii) Prevailing pattern of load in downstream of 400/220 kV Maradam ICTs	ER-SR/WR- SR/Import of SR
			Revised TTC due to normalization of Champa Kurukshetra bipole	WR-NR/Import of NR
2	28th Jan 2019	Whole Month	Change in pattern of inter-regional flow towards NR Revised STOA margin due to termination of 100 MW MTOA from LANCO Anpara power limited to TANGEDCO	Import of NR WR-SR/Import of SR
3	07th Mar 2019	Whale Month	Operationalization of 87 MW LTA from Teesta - III HEP to Rajasthan	ER-NR/Import of NR
5	0711110112019	019 Whole Month	Operationalization of 50 MW LTA from Orange Sirong Wind Power Limited (OSWPPL) to Haryana	WR-NR/Import of NR
4	28th Mar 2019	Whole Month	Operationalization of the following LTAs:- a) Tuticorin - Mytrah Power to UPPCL, Uttar Pradesh - 51.84 MW	WR-NR/Import of NR
			Allocation of 40 MW power from Mouda Stg-II to Assam	ER-NER/Import of NER

ASSUN	IPTIONS IN BASECASE				
				Month : April'19	
S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
Ι	NORTHERN REGION				
1	Punjab	7290	6249	3543	3588
2	Haryana	7873	7139	2583	2583
3	Rajasthan	10474	9250	7473	7473
4	Delhi	5387	4170	612	612
5	Uttar Pradesh	14130	11663	6246	6367
6	Uttarakhand	1784	1304	816	544
7	Himachal Pradesh	1459	970	173	131
8	Jammu & Kashmir	2387	1613	771	761
9	Chandigarh	243	144	0	0
10	ISGS/IPPs	30	29	18558	10652
	Total NR	51057	42529	40775	32711
	EASTERN REGION				
1	Bihar	4534	3290	352	285
2	Jharkhand	994	702	354	229
3	Damodar Valley Corporation	3022	2497	5147	3743
4	Orissa	4128	3314	2371	2471
5	West Bengal	6921	4534	5279	3958
6	Sikkim	107	94	0	0
7	Bhutan	200	198	414	336
8	ISGS/IPPs	626	627	11872	8472
	Total ER	20531	15257	25789	19494
	WESTERN REGION				
1	Maharashtra	20141	17026	16345	14514
2	Gujarat	15838	13877	10402	14514
2	Madhya Pradesh	10831			4520
			7721	5491	
4	Chattisgarh	4459	3483	2797	2985
5	Daman and Diu	349	297	0	0
6	Dadra and Nagar Haveli	886	722	0	0
7	Goa-WR	625	439	0	0
8	ISGS/IPPs	4956	4343	40029	30899
	Total WR	58085	47909	75062	63015

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	8469	7401	6235	4544
2	Telangana	9553	8303	4964	4464
3	Karnataka	9353	6123	7638	5619
4	Tamil Nadu	15346	13709	8538	7138
5	Kerala	4133	2777	1574	716
6	Pondy	327	321	0	0
7	Goa-SR	73	72	0	0
8	ISGS/IPPs	0	0	13098	11619
	Total SR	47254	38706	42049	34101
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	66	54	0	0
2	Assam	879	806	195	142
3	Manipur	119	87	0	0
4	Meghalaya	284	213	162	96
5	Mizoram	99	59	64	8
6	Nagaland	81	74	12	6
7	Tripura	209	149	74	74
8	ISGS/IPPs	153	83	1326	1151
	Total NER	1890	1525	1833	1477
	Total All India	179317	146360	185946	151169