National Load Despatch Centre Total Transfer Capability for July 2017

Issue Time: 1130 hrs

Issue Date: 01st July 2017

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 . 1 1 2017 .	00-06				55	1945		
NR-WR*	1st July 2017 to	06-18	2500	500	2000	65	1935		1
	31st July 2017	18-24				55	1945	1	1
WR-NR*	1st July 2017 to 31st July 2017	00-24	9050	500	8550	7951	599		
		00-06	2000		1800	193	1607		
NR-ER*	1st July 2017 to	06-18'	2000	200	1800	303	1497		
INK-LIK	31st July 2017	18-24	2000	200	1800	193	1607	-	
		16-24	2000		1800	195	1007		
ER-NR*	1st July 2017 to 31st July 2017	00-24	4500	300	4200	2983	1217		
W3-ER	1st July 2017 to 31st July 2017	00-24				No limit i	s being specified.		
ER-W3	1st July 2017 to 31st July 2017	00-24				No limit i	s being specified.		
		00-05	4350		3850		0		
	1st July 2017	05-22	4350	500	3850	3888	0		
		22-24	4350		3850		0		1
		00-05	4350		3850		0		
	2nd July 2017			500		3888	0		-
		05-0730	4350		3850		0		Revised due to shutdown of 765kV
WR-SR		0730-22	2950		2450		0	-1400	Raichur-Sholapur-1
									-
		22-24	2950		2450	3888	0	-1400	
	3rd July 2017 to	00-05	4350	500	3850		0		-
	31st July 2017	05-22	4350		3850		0		
	51st July 2017	22-24	4350		3850		0		
SR-WR *	1st July 2017 to 31st July 2017	00-24				No limit is	s being Specified.		
		00-06				3061	139		
ER-SR	1st July 2017 to	06-18'	3450	250	3200	3146	54		
LINGIN	31st July 2017	18-24	5450	230	5200	3061	139		
SR-ER *	1st July 2017 to 31st July 2017	00-24		<u> </u>			s being Specified.		<u> </u>
	1 . 1 1 2017	00-17	1035		990		765		
ER-NER	1st July 2017 to	17-23	1010	45	965	225	740	-	
	31st July 2017	23-24	1010		990		765		
		00-17	1180		1135		1135		
NER-ER	1st July 2017 to	17-23	1050	45	1005	0	1005		
	31st July 2017	23-24	1180		1135		1135		
		25 24	1100		1155		1155		<u> </u>
W3 zone Injection	1st July 2017 to 31st July 2017				-				sport would be revised accordingly)
			lor, Import o	f S3(Kerala),	Import of Pu	njab and Import	of DD & DNH is	uploaded o	on NLDC website under Intra-
	ction in Monthly								
* Fifty Perce	nt (50 %) Counte	er flow ber	nefit on accou	nt of LTA/MT	OA transactio	ns in the reverse di	rection would be c	onsidered f	or advanced transactions (Bilateral &

Revision No. 5

* 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).

National Load Despatch Centre Total Transfer Capability for July 2017

Issue Date: 01st July 2017

Issue Time: 1130 hrs

Revision No. 5

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) 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.

Limiting Constraints

Corridor	Constraint
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak
WR-NR	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.
NR-ER ER-NR	(n-1) contingency of 400 kV Saranath-Pusauli (n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c
WR-SR &	(n-1) contingency of 400 kV Dichipalli-Ramagundam or one ckt of 765 kV Aurangabad-Solapur D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV
ER-SR	Low Voltage at Gazuwaka (East) Bus. (n-1) contingency of other ckt of 765kV Raichur-Sholapur will lead to 874MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C) (Rev-05)
ER-NER	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Sonabil-Samaguri line(200 MW)
NER-ER	a. (n-1) contingency of 400 kV Byrnihat - Bongaigaon line b. High loading of 220 kV Sonabil-Samaguri line(200 MW)
W3 zone Injection	

Simultaneous Import Capability

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
ER									
		00.05	12000		10100		11.00		
		00-05	12900		12100		1166		
ND	1st July 2017 to	05-08	12900	000	12100	10024	1166		
NR	31st July 2017	08-18	12900	800	12100	10934	1166		
		18-23 23-24	11600 12900		10800 12100		0 1166		
		00-17	12900		990		765		
NER	1st July 2017 to	17-23	1033	45	990	225	740		
ITER	31st July 2017	23-24	1010		990	225	740		
IIID		20 2 .	1000		//0		, 66		
WR									
		00-05	7800		7050	6949	101		
		05-06	7800		7050	6949	101		
	1st July 2017	06-18	7800	750	7050	7034	16		
		18-22	7800		7050	6949	101		
		22-24	7800		7050	6949	101		
		00-05	7800		7050	6949	101		
		05-06	7800		7050	6949	101		Revised due to shutdown
SR	2nd July 2017	06-0730	7800	750	7050	7034	16		of 765kV Raichur-
	211a 9 ary 2017	0730-18	6400	,50	5650	7034	0	-1400	Sholapur-1
		18-22	6400		5650	6949	0	-1400	biloiupui 1
		22-24	6400		5650	6949	0	-1400	
		00-05	7800		7050	6949	101		
	3rd July 2017 to	05-06	7800		7050	6949	101		
	31st July 2017	06-18	7800	750	7050	7034	16		
	-	18-22	7800		7050	6949	101		
		22-24	7800		7050	6949	101		

* 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).

* 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

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
NR*	1st July 2017 to 31st July 2017	06-18	4500	700	3800 3800	248 368	3552 3432		
	515t July 2017	18-24	4500		3800	248	3552		
	1 st July 2017 to 31 st July 2017	00-17	1180	45	1135	0	1135		
NER		17-23	1050		1005		1005		
		23-24	1180		1135		1135		
WD									
WR									
SR *	1st July 2017 to 31st July 2017	00-24	No limit is being 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

		(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c.
NR	Import	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.
		2.High Loading of 400kV Singrauli-Anpara S/C.
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.
	Export	(n-1) contingency of 400 kV Saranath-Pusauli
	Import	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa
NER		b. High loading of 220 kV Balipara-Sonabil line(200 MW)
IVLAN	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA
		ICT at Misa.
		(n-1) contingency of 400 kV Dichipalli-Ramagundam or one ckt of 765 kV Aurangabad-Solapur D/C will lead to 874
		MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C)
SR	Import	Low Voltage at Gazuwaka (East) Bus.
		(n-1) contingency of other ckt of 765kV Raichur-Sholapur will lead to 874MW loading on 400kV Vemagiri(PG)-
		Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C) (Rev-05)

National Load Despatch Centre Total Transfer Capability for July 2017

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
			STOA Margins revised due to change in LTA / MTOA approved by CTU	ER - NR / Import of NR
1 27	27th April 2017	Whole month	Revised considering commissioning of one pole of HVDC Champa - Kurukshetra,the present load generation balance and change in LTA/MTOA approved by CTU	WR - NR / Import of NR
			Revised considering the commissioning of 765 kV Durg - Wardha D/C, second ICT at Vemagiri, 765 kV Wardha - Nizamabad D/C, two ICTs at Nizamabad, and 400 kV Nizamabad-Dichipally D/C.	WR - SR / ER - SR / Import of SR
2	5th May 2017	Whole month	Revised considering the latest LTA/MTOA granted by CTU	WR - SR / ER - SR / Import of SR
3	9th May 2017	Whole month	Revised considering the latest LTA/MTOA granted by CTU	WR - SR / Import of SR
4	23rd May 2017	Whole month	Revised considering present Inter-regional flow pattern	Import of NR
5	01st July 2017	02nd July 2017	Revised due to shutdown of 765kV Raichur-Sholapur-1	WR - SR / Import of SR

ASSUN	MPTIONS IN BASECASE				
				Month : July'17	
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	10671	9480	4285	4302
2	Haryana	8203	8052	1533	1533
3	Rajasthan	8264	9534	4458	4458
4	Delhi	5767	6332	940	940
5	Uttar Pradesh	14322	14317	10032	10036
6	Uttarakhand	1869	1634	985	962
7	Himachal Pradesh	1184	1068	921	863
8	Jammu & Kashmir	2359	1498	920	930
9	Chandigarh	327	300	0	0
10	ISGS/IPPs	27	27	19979	18386
	Total NR	52992	52241	44053	42410
	EASTERN REGION				
1	Bihar	3920	2608	238	238
2	Jharkhand	1193	836	397	337
3	Damodar Valley Corporation	2961	2554	4468	3768
4	Orissa	4173	3199	3342	2325
5	West Bengal	8359	5800	5216	4148
6	Sikkim	88	89	0	0
7	Bhutan	245	245	982	982
8	ISGS/IPPs	560	567	11255	8518
	Total ER	21469	15868	25869	20286
	WESTERN REGION				
1	Maharashtra	14940	11898	9694	7279
2	Gujarat	12432	10131	9835	7466
	Madhya Pradesh	7044	5925	3569	3099
	Chattisgarh	3353	3104	1915	2461
	Daman and Diu	286	279	0	0
6	Dadra and Nagar Haveli	740	717	0	0
	Goa-WR	399	296	0	0
	ISGS/IPPs	2701	2844	32655	29850
	Total WR	41896	35194	57668	50154

				1	
V	SOUTHERN REGION				
<u> </u>	Andhra Pradesh	7900	7330	6080	5500
2	2 Telangana	7305	5815	4523	3329
	Karnataka	8717	7530	5689	4314
4	Tamil Nadu	14750	12574	8145	6750
5	Kerala	3450	1780	1499	283
6	Pondy	395	395	0	0
7	Goa-SR	89	89	0	0
8	ISGS/IPPs	0	0	11044	9692
	Total SR	42606	35513	36980	29868
	NORTH-EASTERN REGION				
1	Arunachal Pradesh	143	89	0	0
2	Assam	1227	1069	240	200
3	3 Manipur	150	76	0	0
4	l Meghalaya	268	200	214	164
5	Mizoram	95	69	8	8
6	Nagaland	122	83	22	16
7	7 Tripura	254	157	75	75
8	ISGS/IPPs	100	60	2030	1888
	Total NER	2359	1803	2589	2351
	Total All India	161566	140864	168142	146052