National Load Despatch Centre Total Transfer Capability for August 2017

Issue Date: 31st July 2017 Issue Time: 1400 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
	1st August	00-06				55	1945		
NR-WR*	2017 to 31st	06-18	2500	500	2000	65	1935		
	August 2017	18-24				55	1945		
WR-NR*	1st August 2017 to 06th August 2017	00-24	7050	500	6550	8330	0		Revised STOA margins due to
	07th August 2017 to 31st August 2017	00-24	9050	500	8550	8330	220		approval of LTA/MTOA by CTU
	1st August	00-06	2000		1800	193	1607	T	
NR-ER*	2017 to 31st	06-18'	2000	200	1800	303	1497		
1,11 1/11	August 2017	18-24	2000	200	1800	193	1607	1	
ER-NR*	1st August 2017 to 31st August 2017	00-24	4500	300	4200	2983	1217		
W3-ER	1st August 2017 to 31st August 2017	00-24				No limit i	s being specified.		
ER-W3	1st August 2017 to 31st	00-24				No limit is	s being specified.		
	1st August	00-05	4350		3850		0		
WR-SR	2017 to 31st	05-22	4350	500	3850	3889	0		
	August 2017	22-24	4350	-	3850		0		
SR-WR *	1st August 2017 to 31st August 2017	00-24				No limit is	s being Specified.		
		00.06				2604	506		D : 10mo : 1 1 1
	1st August	00-06				2604	596	<u> </u>	Revised STOA margin due planned
	2017 to 28th	06-18'	3450	250	3200	2689	511		outage of Talcher StgII U#4,
	August 2017								Simhadri U#3, and other generators
ER-SR		18-24				2604	596		in Southern Region
	29th August	00-06				3047	153		
	2017 to 31st	06-18'	3450	250	3200	3132	68	=	
	August 2017	18-24	3 130	250	3200	3047	153	†	
	1st August	10-24				3047	133		
SR-ER *	2017 to 31st August 2017	00-24				No limit is	s being Specified.		
	1st August	00-17	1045		1000		775		
ER-NER	2017 to 31st	17-23	1065	45	1020	225	795		
_ ,	August 2017	23-24	1045		1000		775	1	
	1st August	00-17	1280		1235		1235		
NER-ER	2017 to 31st	17-23	1240	45	1195	0	1195		
	August 2017	23-24	1240		1235		1235		
W3 zone Injection	1st August 2017 to 31st August 2017	00-24	No limit is b		l (In case ofan				export would be revised accordingly)

Note: TTC/ATC of S1-(S2&S3) 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.

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^{*} 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).

- 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									
		00-05	10100		9300		0		
	1st August 2017		10100		9300		0		
	to 6th August	08-18	10100	800	9300	11313	0		
	2017	18-23	9050		8250		0		Revised STOA margins
NR		23-24	10100		9300		0		due to approval of
111		00-05	12900]	12100		787		LTA/MTOA by CTU
	7th August	05-08	12900		12100	11313	787		LITAMITOR by CIC
	2017 to 31st	08-18	12900	800	12100		787		
	August 2017	18-23	11600		10800		0		
		23-24	12900		12100		787		
	1st August 2017	00-17	1045		1000		775		
NER	to 31st August	17-23	1065	45	1020	225	795		
	2017	23-24	1045		1000		775		
WR									
VVIX									
		00-05	7800		7050	6493	558		Revised STOA margin due
	1st August 2017	05-06	7800		7050	6493	558		planned outage of Talcher
	to 28th August	06-18	7800	750	7050	6578	473		StgII U#4, Simhadri U#3,
SR	2017	18-22	7800		7050	6493	558		and other generators in
		22-24	7800		7050	6493	558		Southern Region
		00-05	7800		7050	6936	115		
	29th August	05-06	7800		7050	6936	115		
	2017 to 31st	06-18	7800	750	7050	7021	30		
	August 2017	18-22	7800		7050	6936	115		
		22-24	7800		7050	6936	115		

^{*} 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

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 August 2017 to 31st August	470	4500	700	3800 3800	248 368	3552 3432		
	2017	18-24	4500	700	3800	248	3552		
	1st August 2017	00-17	1280		1235	0	1235		
NER	to 31st August	17-23	1240	45	1195		1195		
	2017	23-24	1280		1235		1235		
WR									
SR *	1st August 2017 to 31st August 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 (Corridor wise)

Corridor	Constraint	Applicable Revisions
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	All
WR-NR	(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. High Loading of 400kV Singrauli-Anpara S/C.	All
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	All
ER-NR	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c and high availability of Hydro power	All
WR-SR & ER SR	(n-1) contingency of 400 kV Dichipalli-Ramagundam or (n-1) contingency of one circuit of 765kV Aurangabad-Sholapur will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C)	All
ER-NER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa High loading of 220 kV Sonabil-Samaguri line(200 MW)	All
NER-ER	(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	All
W3 zone Injection		

Limiting Constraints (Simultaneous)

			Applicable Revisions
	Import	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/C and high availability of Hydro power	All
NR		(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. High Loading of 400kV Singrauli-Anpara S/C.	All
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	All
		(n-1) contingency of 400 kV Saranath-Pusauli	All
NED	Import	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa High loading of 220 kV Sonabil-Samaguri line(200 MW)	All
NER	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	All
SR	Import	(n-1) contingency of 400 kV Dichipalli-Ramagundam or (n-1) contingency of one circuit of 765kV Aurangabad-Sholapur will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C)	All
		Low Voltage at Gazuwaka (East) Bus	All

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Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected		
1	5th May 2017	Whole month	STOA margin revised considering the latest LTA/MTOA granted by CTU	WR-SR/ER- SR/Import of SR		
2	9th May 2017	Whole month	Revised considering the latest LTA/MTOA granted by CTU	WR- SR/Import of SR		
3	23rd May 2017	Whole month	Revised considering present Inter-regional flow pattern	Import of NR		
4	28th July	01st August'17 to 06th August'17	Revised due to forced outage of HVDC Mundra- Mahindragarh Bipole on Tower collapse	WR-NR / Import of NR		
4	2017	2017	2017	07th August'17 to 31st August'17	Revised STOA margins due to approval of LTA/MTOA by CTU	WR-NR / Import of NR
	31st July	Whole month	Revised STOA margins due to approval of LTA/MTOA by CTU	WR-NR / Import of NR		
5	2017	Whole month	Revised STOA margin due planned outage of Talcher Stgll U#4, Simhadri U#3, and other generators in Southern Region	ER-SR / Import of SR		

ASSU	MPTIONS IN BASECASE				
				Month : August'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	10497	8528	3609	3397
2	Haryana	8596	8584	1533	1533
	Rajasthan	9006	8817	4563	4520
4	Delhi	5341	5181	853	853
5	Uttar Pradesh	14805	16256	9962	9981
6	Uttarakhand	1908	1745	980	979
7	Himachal Pradesh	1269	986	1118	1107
8	Jammu & Kashmir	2138	1165	1034	1038
9	Chandigarh	341	262	0	0
10	ISGS/IPPs	26	27	20580	17730
	Total NR	53927	51551	44232	41138
II	EASTERN REGION				
1	Bihar	4058	2540	238	178
2	Jharkhand	1324	897	187	187
3	Damodar Valley Corporation	3150	2572	4808	3850
4	Orissa	4422	3237	3382	2120
5	West Bengal	8620	5872	5753	4270
6	Sikkim	90	90	0	0
7	Bhutan	245	245	1493	1493
8	ISGS/IPPs	571	568	11250	8880
	Total ER	22450	15993	27052	20919
Ш	WESTERN REGION				
1	Maharashtra	16411	11943	11524	8836
2	Gujarat	12600	9774	8990	7258
3	Madhya Pradesh	6788	5553	3473	3351
4	Chattisgarh	3711	2946	2656	2025
5	Daman and Diu	320	289	0	0
6	Dadra and Nagar Haveli	690	742	0	0
7	Goa-WR	562	319	0	0
8	ISGS/IPPs	3794	3496	33999	28312
	Total WR	44876	35062	60643	49781

IV	SOUTHERN REGION				
,	Andhra Pradesh	8762	7562	6412	5385
2	? Telangana	7965	6695	5245	3519
	Karnataka	9680	8700	6779	5232
4	Tamil Nadu	14600	12900	8305	6705
5	Kerala	3650	1950	1572	283
(Pondy	395	395	0	0
7	Goa-SR	89	89	0	0
8	ISGS/IPPs	0	0	11261	11290
	Total SR	45141	38291	39573	32413
V	NORTH-EASTERN REGION				
,	Arunachal Pradesh	143	87	0	0
2	2 Assam	1214	1070	240	200
3	Manipur	154	78	0	0
4	Meghalaya	262	209	232	194
5	Mizoram	97	69	8	8
(Nagaland	123	83	22	16
7	7 Tripura	235	250	34	41
8	ISGS/IPPs	100	60	1930	1804
	Total NER	2328	1906	2466	2263
	Total All India	168967	143047	175460	148010