National Load Despatch Centre
Total Transfer Capability for January 2017

Issue Date: 28/9/2016 Issue Time: 1830 hrs Revision No. 0

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-WR *	1st Jan 2017 to 31st Jan 2017	00-24	2500	500	2000	55	1945		
WR-NR*	1st Jan 2017 to 31st Jan 2017	00-24	6800	500	6300	6170	130		
NR-ER*	1st Jan 2017 to 31st Jan 2017	00-06	2000	200	1800	93	1707		
		06-18'	2000		1800	158	1642		
		18-24	2000		1800	93	1707		
ER-NR*	1st Jan 2017 to 31st Jan 2017	00-24	4200	300	3900	2531	1369		
W3-ER	1st Jan 2017 to 31st Jan 2017	00-24	No limit is being specified.						
ER-W3	1st Jan 2017 to 31st Jan 2017	00-24	No limit is being specified.						
WR-SR	1st Jan 2017 to 31st Jan 2017	00-24	4000	750	3250	3250	0		
SR-WR *	1st Jan 2017 to 31st Jan 2017	00-24	No limit is being Specified.						
ER-SR	1st Jan 2017 to 31st Jan 2017	00-06	2650	0	2650	2565	85		
		06-18'				2650	0		
		18-24				2565	85		
SR-ER *	1st Jan 2017 to 31st Jan 2017	00-24	No limit is being Specified.						
ER-NER	1st Jan 2017 to 31st Jan 2017	00-17	1220	45	1175	210	965		
		17-23	1150		1105		895		
		23-24	1220		1175		965		
NER-ER	1st Jan 2017 to 31st Jan 2017	00-17	1100	45	1055	0	1055		
		17-23	1100		1055		1055		
		23-24	1100		1055		1055		
W3 zone Injection	1st Jan 2017 to 31st Jan 2017	00-24	No limit is being specified (In case ofany constraints appearing in the system, W3 zone export would be revised accordingly)						

Note: TTC/ATC of S1-S2 corridor, Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.

* 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).

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1) S1 comprises of Telangana, AP and Karnataka: S2 comprises of Tamil Nadu, Kerala and Puducherry
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 willl 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. 2.High Loading of 400kV Singrauli-Anpara S/C.
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli
ER-NR	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c
WR-SR & ER-SR	(n-1) contingency of one circuit of 765 kV Raichur - Sholapur will lead to 2500 MW loading on the other Low Voltage at Gazuwaka (East) Bus.
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)
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
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									
NR*	1st Jan 2017 to 31st Jan 2017	00-05	8500	800	7700	8701	0		
		05-08'	8500		7700		0		
		08-19'	8500		7700		0		
		19-24	8500		7700		0		
NER	1st Jan 2017 to 31st Jan 2017	00-17	1220	45	1175	210	965		
		17-23	1150		1105		895		
		23-24	1220		1175		965		
WR									
SR	1st Jan 2017 to 31st Jan 2017	00-06	6650	750	5900	5815	85		
		06-18'	6650		5900	5900	0		
		18-24	6650		5900	5815	85		

* 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 Jan 2017 to 31st Jan 2017	00-06	4500	700	3800	148	3652		
		06-18'			3800	213	3587		
		18-24	4500		3800	148	3652		
NER	1st Jan 2017 to 31st Jan 2017	00-17	1100	45	1055	0	1055		
		17-23	1100		1055		907		
		23-24	1100		1055		1055		
NER	1st Jan 2017 to 31st Jan 2017	00-17 23-24	1100	45	1055	0	1055		
		17-23	1260		1215		1215		
WR									
SR *	1st Jan 2017 to 31st Jan 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

NR	**Import**	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c.
		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.
		(n-1) contingency of 400 kV Saranath-Pusauli
NER	**Import**	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW)
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA
SR	**Import**	(n-1) contingency of one circuit of 765 kV Raichur - Sholapur will lead to 2500 MW loading on the other circuit
		Low Voltage at Gazuwaka (East) Bus.

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Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected

ASSUMPTIONS IN BASECASE					
				Month : January'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	5746	4065	1957	1809
2	Haryana	6639	3242	2061	2061
3	Rajasthan	9987	10117	5975	5958
4	Delhi	3870	1710	551	551
5	Uttar Pradesh	12490	12623	6574	6557
6	Uttarakhand	1828	1263	851	568
7	Himachal Pradesh	1422	912	331	117
8	Jammu & Kashmir	2151	2157	370	316
9	Chandigarh	230	103	0	0
10	ISGS/IPPs	28	28	19457	11890
	Total NR	44391	36220	38126	29826
II	EASTERN REGION				
1	Bihar	3400	2500	200	131
2	Jharkhand	1250	950	400	400
3	Damodar Valley Corporation	2600	2200	3121	2971
4	Orissa	3988	2894	2759	1699
5	West Bengal	6500	5600	4684	3876
6	Sikkim	80	51	0	0
7	Bhutan	245	245	230	0
8	ISGS/IPPs	568	574	11432	10302
	Total ER	18602	14984	22827	19379
III	WESTERN REGION				
1	Maharashtra	19293	12770	14529	9166
2	Gujarat	12390	10098	9312	7542
3	Madhya Pradesh	10750	6256	6974	4414
4	Chattisgarh	3901	2545	2830	1869
5	Daman and Diu	316	223	0	0
6	Dadra and Nagar Haveli	709	634	0	0
7	Goa-WR	500	242	0	0
8	ISGS/IPPs	3099	3034	30497	24532
	Total WR	50958	35801	64142	47523

IV	SOUTHERN REGION				
1	Andhra Pradesh	7623	5809	6925	5986
2	Telangana	7581	6600	2994	2593
3	Karnataka	9672	8561	6816	4843
4	Tamil Nadu	13800	11286	6452	4810
5	Kerala	3841	2893	1545	604
6	Pondy	395	293	0	0
7	Goa-SR	89	89	0	0
8	ISGS/IPPs	0	0	14187	12153
	Total SR	43001	35531	38919	30989
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	87	45	0	0
2	Assam	939	686	240	140
3	Manipur	113	73	0	0
4	Meghalaya	258	158	117	62
5	Mizoram	73	51	8	8
6	Nagaland	80	68	8	6
7	Tripura	193	111	80	80
8	ISGS/IPPs	60	50	1294	937
	Total NER	1803	1242	1747	1232
	Total All India	159000	124023	165990	128950