

**National Load Despatch Centre**  
**Total Transfer Capability for February 2018**

Issue Date: 28th October 2017

Issue Time: 1700 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 February 2018 to 28th February 2018	00-06	2500	500	2000	55	1945		
		06-18				65	1935		
		18-24				55	1945		
WR-NR*	1st February 2018 to 28th February 2018	00-24	10050	500	9550	8372	1178		
NR-ER*	1st February 2018 to 28th February 2018	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st February 2018 to 28th February 2018	00-24	4500	300	4200	3030	1170		
W3-ER	1st February 2018 to 28th February 2018	00-24	No limit is being specified.						
ER-W3	1st February 2018 to 28th February 2018	00-24	No limit is being specified.						
WR-SR	1st February 2018 to 28th February 2018	00-05	5700	500	5200	3675	1525		
		05-22	5700		5200		1525		
		22-24	5700		5200		1525		
SR-WR *	1st February 2018 to 28th February 2018	00-24	No limit is being Specified.						
ER-SR	1st February 2018 to 28th February 2018	00-06	3800	250	3550	3289	261		
		06-18				3374	176		
		18-24				3289	261		
SR-ER *	1st February 2018 to 28th February 2018	00-24	No limit is being Specified.						
ER-NER	1st February 2018 to 28th February 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		
NER-ER	1st February 2018 to 28th February 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
W3 zone Injection	1st February 2018 to 28th February 2018	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
<b>Note: TTC/ATC of S1-(S2&amp;S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD &amp; DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.</b>									

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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) KWPCCL, 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 commissioned 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**

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
<b>ER</b>									
<b>NR</b>	1st February 2018 to 28th February 2018	00-05	14350	800	13550	11402	2148		
		05-08	14350		13550		2148		
		08-18	14350		13550		2148		
		18-23	13050		12250		848		
		23-24	14350		13550		2148		
<b>NER</b>	1st February 2018 to 28th February 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		
<b>WR</b>									
<b>SR</b>	1st February 2018 to 28th February 2018	00-05	9500	750	8750	6963	1787		
		05-06	9500		8750	6963	1787		
		06-18	9500		8750	7048	1702		
		18-22	9500		8750	6963	1787		
		22-24	9500		8750	6963	1787		

\* 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**

<b>Corridor</b>	<b>Date</b>	<b>Time Period (hrs)</b>	<b>Total Transfer Capability (TTC)</b>	<b>Reliability Margin</b>	<b>Available Transfer Capability (ATC)</b>	<b>Long Term Access (LTA)/ Medium Term Open Access (MTOA)</b>	<b>Margin Available for Short Term Open Access (STOA)</b>	<b>Changes in TTC w.r.t. Last Revision</b>	<b>Comments</b>
<b>NR*</b>	1st February 2018 to 28th February 2018	00-06	4500	700	3800	248	3552		
		06-18			3800	368	3432		
		18-24	4500		3800	248	3552		
<b>NER</b>	1st February 2018 to 28th February 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
<b>WR</b>									
<b>SR *</b>	1st February 2018 to 28th February 2018	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)

		Applicable Revisions
Corridor	Constraint	
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	Rev-0
WR-NR	1. (n-1) Contingency of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit. Loading of 400kV Singrauli-Anpara S/C. <span style="float: right;">2.High</span>	Rev-0
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev-0
ER-NR	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c	Rev-0
WR-SR and ER-SR	a. (n-1) contingency of one ckt of 765 kV Wardha-Nizamabad D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (When 400kV Vemagiri(PG)-Nunna S/C is not in service) <span style="float: right;">b.</span>	Rev-0
	(n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C (When 400 kV Vemagiri(PG) - Nunna S/C in kept in service)	
	Low Voltage at Gazuwaka (East) Bus.	Rev-0
ER-NER	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa High loading of 220 kV Balipara-Sonabil line(200 MW) <span style="float: right;">b.</span>	Rev-0
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of 220 kV Samaguri - Sonabil line	Rev-0
W3 zone Injection	---	Rev-0

### Limiting Constraints (Simultaneous)

		Applicable Revisions
NR	Import	(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c. 1. (n-1) Contingency 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 High loading of 220 kV Balipara-Sonabil line(200 MW) <span style="float: right;">b.</span>
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of 220 kV Samaguri - Sonabil line
SR	Import	a. (n-1) contingency of one ckt of 765 kV Wardha-Nizamabad D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (When 400kV Vemagiri(PG)-Nunna S/C is not in service) <span style="float: right;">b.</span>
		(n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C (When 400 kV Vemagiri(PG) - Nunna S/C in kept in service)
		Low Voltage at Gazuwaka (East) Bus.

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<b>Revision No</b>	<b>Date of Revision</b>	<b>Period of Revision</b>	<b>Reason for Revision</b>	<b>Corridor Affected</b>

ASSUMPTIONS IN BASECASE					
				Month : February'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	7260	4982	2738	2593
2	Haryana	7075	4623	1422	1421
3	Rajasthan	9478	10567	5408	5393
4	Delhi	4322	2497	664	664
5	Uttar Pradesh	14386	15146	7921	8037
6	Uttarakhand	1865	1387	704	415
7	Himachal Pradesh	1575	624	250	134
8	Jammu & Kashmir	2368	1898	549	377
9	Chandigarh	245	139	0	0
10	ISGS/IPPs	25	26	19108	11535
	Total NR	48600	41891	38765	30569
II	EASTERN REGION				
1	Bihar	2561	2650	285	181
2	Jharkhand	860	890	266	210
3	Damodar Valley Corporation	2639	2731	4022	3974
4	Orissa	3014	3115	2366	2222
5	West Bengal	5149	5319	4227	4159
6	Sikkim	50	52	0	0
7	Bhutan	215	216	290	290
8	ISGS/IPPs	264	264	9339	8929
	Total ER	14752	15237	20795	19965
III	WESTERN REGION				
1	Maharashtra	18871	15370	12854	11475
2	Gujarat	13221	12028	10342	8753
3	Madhya Pradesh	10461	7272	4720	3977
4	Chattisgarh	4153	3073	2934	2168
5	Daman and Diu	324	281	0	0
6	Dadra and Nagar Haveli	714	729	0	0
7	Goa-WR	584	298	0	0
8	ISGS/IPPs	3874	3530	37426	34493
	Total WR	52202	42582	68275	60866

IV	SOUTHERN REGION				
1	Andhra Pradesh	8091	6737	5785	4120
2	Telangana	10020	7660	5232	3940
3	Karnataka	10686	7609	6873	3620
4	Tamil Nadu	14692	12232	7258	5466
5	Kerala	3727	2350	1313	76
6	Pondy	374	376	0	0
7	Goa-SR	84	85	0	0
8	ISGS/IPPs	0	0	14904	12929
	Total SR	47676	37050	41366	30151
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	100	54	0	0
2	Assam	962	761	214	123
3	Manipur	120	87	0	0
4	Meghalaya	242	174	190	58
5	Mizoram	78	58	8	8
6	Nagaland	88	76	12	6
7	Tripura	184	125	81	80
8	ISGS/IPPs	159	100	1516	1147
	Total NER	1935	1435	2021	1422
	Total All India	159918	132980	169205	141912