National Load Despatch Centre Total Transfer Capability for March 2017

Issue Date: 2nd March 2017 Issue Time: 2000 hrs Revision No. 3

NR-WR* 31st 2nd 2nd 31st 31st 1st NR-ER* 1st N31st FR.NR* 1st N 1s	Mar 2017 to st Mar 2017 to ad Mar 2017 to ad Mar 2017 to st Mar 2017 to st Mar 2017 to st Mar 2017 to	00-06 06-18 18-24 00-24	2500 6950 7550	500	2000	55 65	1945 1935			
NR-WR* 31st 2nd 2nd 31st 31st 1st NR-ER* 1st N31st FR.NR* 1st N 1s	st Mar 2017 - Mar 2017 to ad Mar 2017 Mar 2017 to st Mar 2017 Mar 2017 to	18-24 00-24	6950		2000		1035			
WR-NR* 1st N 2nd 31st 1	Mar 2017 to and Mar 2017 Mar 2017 to st Mar 2017 Mar 2017 to	00-24		500						
NR-ER* 1st N 31st	nd Mar 2017 I Mar 2017 to st Mar 2017 Mar 2017 to			500		55	1945			
NR-ER* 1st N 31st 1st N 31st	st Mar 2017	00-24	7550		6450	6850	0			
NR-ER* 31st N				500	7050	6850	200	600	Revised considering the present load generation balance pattern	
NR-ER* 31st N		00-06	2000		1800	193	1607			
31st FP_NP* 1st N	st Mar 2017	06-18'	2000	200	1800	303	1497			
I RR-NRT I		18-24	2000	200	1800	193	1607			
318	Mar 2017 to st Mar 2017	00-24	4000	300	3700	2931	769			
	ist iviai 2017									
	Mar 2017 to st Mar 2017	00-24	No limit is being specified.							
	Mar 2017 to st Mar 2017	00-24		No limit is being specified.						
		00.07	2000		2200		100			
1st N	Mar 2017 to	00-05	3800	500	3300	2000	400			
WR-SR 31st	31st Mar 2017	05-22 22-24	3400 3800	500	2900 3300	2900	400			
SK-WK	Mar 2017 to st Mar 2017	00-24				No limit i	s being Specified.			
		00-06				3232	0			
ER-SR 1st N	Mar 2017 to	06-18'	3450	250	3200	3317	0			
31st	st Mar 2017	18-24	3430	230	3200	3232	0			
CD_ED *	: Mar 2017 to st Mar 2017	00-24	No limit is being Specified.							
-515										
1st N	Mar 2017 to	00-17	1250		1205	25-	980			
ER-NER	st Mar 2017	17-23	1105	45	1060	225	835			
		23-24	1250		1205		980			
1st N	Mar 2017 to	00-17	1135	4.5	1090		1090			
NEK-ER	st Mar 2017	17-23	1210	45	1165	0	1165			
		23-24	1135		1090		1090			
	1st Mar 2017 to 31st Mar 2017 No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)									

Regional Section in Monthly ATC.

National Load Despatch Centre Total Transfer Capability for March 2017

Issue Date: 2nd March 2017 Issue Time: 2000 hrs Revision No. 3

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
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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.

Limiting Constraints

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 765kV Aurangabad-Sholapur will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C) 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

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									
LIK									
		00-05	9950		9150		0		
	1st Mar 2017 to	05-08	9300		8500		0		
	2nd Mar 2017	08-18	9950	800	9150	9781	0		
	Ziid ividi 2017	18-23	8900		8100		0		
NR		23-24	9950		9150		0		
111	3rd Mar 2017 to 31st Mar 2017	00-05	10800	800	10000	9781	219	850	
		05-08	10100		9300		0	800	Revised considering the
		08-18	10800		10000		219	850	present load generation
	31st Wai 2017	18-23	9700		8900		0	800	balance pattern
		23-24	10800		10000		219	850	
	1st Mar 2017 to	00-17	1250		1205		980		
NER	31st Mar 2017	17-23	1105	45	1060	225	835		
	313t Wai 2017	23-24	1250		1205		980		
WR									

		00-05	7250		6500	6132	368		
	1st Mar 2017 to	05-06	6850		6100	6132	0		
SR	31st Mar 2017	06-18	6850	750	6100	6217	0		
	515t Iviai 2017	18-22	6850		6100	6132	0		
		22-24	7250		6500	6132	368		

^{*} 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 Mar 2017 to 31st Mar 2017	00-06 06-18' 18-24	4500 4500	700	3800 3800 3800	248 368 248	3552 3432 3552		
NER	1st Mar 2017 to 31st Mar 2017	00-17 17-23 23-24	1130 1180 1130	45	1085 1135 1085	0	1085 887 1085		
WR									
SR *	1st Mar 2017 to 31st Mar 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

	5 Constraints						
		(n-1) contingencies of N.Ranchi - Chandawa S/c & (n-1) contingencies of 400kV MPL- Maithon S/c.					
	Import	1. (n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.					
NR		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					
	T	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa					
NER	Import	b. High loading of 220 kV Balipara-Sonabil line(200 MW)					
NEK	E	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other 400/220 kV, 315 MVA					
	Export	ICT at Misa.					
		(n-1) contingency of one circuit of 765kV Aurangabad-Sholapur will lead to 874 MW loading on 400kV					
SR	Import	Vemagiri(PG)-Gazuwaka (With Opening of 400kV Vemagiri(PG)-Nunna S/C).					
		Low Voltage at Gazuwaka (East) Bus.					

National Load Despatch Centre Total Transfer Capability for March 2017

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
			Revised considering the present inter regional flow pattern of WR-NR and ER-NR. Changes in LTA and MTOA and high generation in Rihand-Singrauli-Anpara complex factored.	WR-NR/ Import of NR
1	27/2/2017	Whole Month	Revised due to commissioning of 765 kV Angul-Srikakulam-Vemagiri D/C, LILO of 400 kV Gazuwaka - Nunna at Vemagiri (PG), and opening of 400 kV Vemagiri-Nunna S/C. STOA margin revised due to operationalization of MTOA.	WR-SR/ER- SR/Import of SR
2	27/2/2017	Whole Month	STOA margin revised due to change in LTA/MTOA	ER-SR/ Import of SR
3	2nd March 2017	3rd March 2017 to 31st March 2017	Revised considering the present load generation balance pattern	WR-NR/ Import of NR

Nonth : March'17 S.No. Name of State/Area Load Peak Load (MW) Off Peak Load (MW) Peak (MW) Off	ASSUM	IPTIONS IN BASECASE				
S.No. Name of State/Area Load Generation I NORTHERN REGION Off Peak Load (MW) Peak (MW) Off Peak 1 Punjab 5629 3905 2165 217 2 Haryana 6250 3218 2173 217 3 Rajasthan 9749 9900 5592 560 4 Delhi 3315 2025 391 39 5 Uttar Pradesh 12944 13358 7157 706 6 Uttarakhand 1691 1178 691 53 7 Himachal Pradesh 1364 827 366 26 8 Jammu & Kashmir 2275 2425 630 44 9 Chandigarh 191 101 0 0 10 ISGS/IPPs 28 28 18 18214 116 Total NR 43436 36966 37378 302 III EASTERN REGION 2456					Month : March'17	
Peak Load (MW)	S.No.	Name of State/Area	Load			
NORTHERN REGION			Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
Haryana	I	NORTHERN REGION	,	,		
Haryana	1	Punjab	5629	3905	2165	2115
3 Rajasthan 9749 9900 5592 560			6250	3218	2173	2173
5 Uttar Pradesh 12944 13358 7157 706 6 Uttarakhand 1691 1178 691 53 7 Himachal Pradesh 1364 827 366 26 8 Jammu & Kashmir 2275 2425 630 44 9 Chandigarh 191 101 0 0 10 ISGS/IPPs 28 28 18214 116 Total NR 43436 36966 37378 302 II EASTERN REGION 2 13 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 215 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 92 <t< td=""><td></td><td></td><td>9749</td><td>9900</td><td>5592</td><td>5605</td></t<>			9749	9900	5592	5605
6 Uttarakhand 1691 1178 691 53 7 Himachal Pradesh 1364 827 366 26 8 Jammu & Kashmir 2275 2425 630 44 9 Chandigarh 191 101 0 0 10 ISGS/IPPs 28 28 18214 116 Total NR 43436 36966 37378 302 II EASTERN REGION 2456 2135 3741 337 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 215 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 2455 245 272 47 8 ISGS/IPPs 570 576 10672 92 Total ER 19113 14977 23663 190<	4	Delhi	3315	2025	391	391
7 Himachal Pradesh 1364 827 366 26 8 Jammu & Kashmir 2275 2425 630 44 9 Chandigarh 191 101 0 0 10 ISGS/IPPs 28 28 18214 116 Total NR 43436 36966 37378 302 II EASTERN REGION 2456 2483 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 215 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 7 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419	5	Uttar Pradesh	12944	13358	7157	7086
8 Jammu & Kashmir 2275 2425 630 44 9 Chandigarh 191 101 0 0 10 ISGS/IPPs 28 28 18214 116 Total NR 43436 36966 37378 302 II EASTERN REGION 2483 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 215 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757	6	Uttarakhand	1691	1178	691	538
9 Chandigarh 191 101 0 0 0 10 10 ISGS/IPPS 28 28 18214 116	7	Himachal Pradesh	1364	827	366	261
10 ISGS/IPPS 28 28 18214 116 Total NR 43436 36966 37378 302 II EASTERN REGION	8	Jammu & Kashmir	2275	2425	630	448
Total NR 43436 36966 37378 302 II EASTERN REGION 1 1 Bihar 3404 2483 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 215 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 396 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	9	Chandigarh	191	101	0	0
II	10	ISGS/IPPs	28	28	18214	11614
1 Bihar 3404 2483 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 219 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 398 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0		Total NR	43436	36966	37378	30230
1 Bihar 3404 2483 200 13 2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 219 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 398 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0						
2 Jharkhand 982 894 400 40 3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 219 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	II	EASTERN REGION				
3 Damodar Valley Corporation 2456 2135 3741 337 4 Orissa 4130 3171 3359 219 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	1	Bihar	3404	2483	200	131
4 Orissa 4130 3171 3359 219 5 West Bengal 7288 5463 5049 365 6 Sikkim 69 40 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 396 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	2 .	Jharkhand	982	894	400	400
5 West Bengal 7288 5463 5049 368 6 Sikkim 69 40 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 3050 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 398 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	3	Damodar Valley Corporation	2456	2135	3741	3372
6 Sikkim 69 40 0 0 7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 1 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	4	Orissa	4130	3171	3359	2199
7 Bhutan 245 245 272 47 8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	5	West Bengal	7288	5463	5049	3656
8 ISGS/IPPs 570 576 10672 924 Total ER 19113 14977 23663 190 III WESTERN REGION	6	Sikkim	69	40	0	0
Total ER 19113 14977 23663 190 III WESTERN REGION <t< td=""><td>7</td><td>Bhutan</td><td>245</td><td>245</td><td>272</td><td>47</td></t<>	7	Bhutan	245	245	272	47
III WESTERN REGION 1 Maharashtra 20050 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 398 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	8	ISGS/IPPs	570	576	10672	9246
1 Maharashtra 20050 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0		Total ER	19113	14977	23663	19036
1 Maharashtra 20050 13792 14419 948 2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0						
2 Gujarat 13203 9864 9505 757 3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	III	WESTERN REGION				
3 Madhya Pradesh 9224 7473 4125 395 4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	1	Maharashtra	20050	13792	14419	9489
4 Chattisgarh 3811 2773 2830 202 5 Daman and Diu 313 251 0 0	2	Gujarat				7573
5 Daman and Diu 313 251 0 0	3	Madhya Pradesh	9224	7473	4125	3958
	4	Chattisgarh	3811	2773	2830	2020
6 Dadra and Nagar Haveli 700 621 0	5	Daman and Diu	313	251		0
· ·	6	Dadra and Nagar Haveli	700	621	-	0
						0
			3043	3081	32131	27122
Total WR 50850 38093 63009 501		Total WR	50850	38093	63009	50162

IV	SOUTHERN REGION				
1	Andhra Pradesh	8039	7097	7416	6276
2	Telangana	8119	7354	3817	3162
	Karnataka	9710	8714	7461	5612
4	Tamil Nadu	14679	12052	6897	6400
5	Kerala	4152	3130	1752	687
6	Pondy	395	285	0	0
	Goa-SR	89	89	0	0
8	ISGS/IPPs	120	98	14289	12353
	Total SR	45303	38819	41631	34491
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	105	50	0	0
2	2 Assam	1050	745	230	140
3	Manipur	146	68	0	0
4	Meghalaya	271	156	159	80
5	Mizoram	87	52	8	4
6	Nagaland	100	74	12	8
7	Tripura	185	101	76	76
8	ISGS/IPPs	65	60	1564	995
	Total NER	2009	1306	2049	1303
	Total All India	160957	130406	168002	135269