National Load Despatch Centre
Total Transfer Capability for March 2018

Issue Date: 04th March 2018 Issue Time: 1200 hrs Revision No. 7

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 March 2018 to 31st March 2018	00-06	2500	500	2000	55	1945		
		06-18				65	1935		
		18-24				55	1945		
WR-NR*	1st March 2018 to 31st March 2018	00-24	8550	500	8050	9284	0		
NR-ER*	1st March 2018 to 31st March 2018	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st March 2018 to 31st March 2018	00-24	4500	300	4200	3039	1161		
W3-ER	1st March 2018 to 31st March 2018	00-24	No limit is being specified.						
ER-W3	1st March 2018 to 31st March 2018	00-24	No limit is being specified.						
WR-SR	1st March 2018	00-05	5700	500	5200	4165	1035		
		05-22	5700		5200		1035		
		22-24	5700		5200		1035		
	2nd March 2018 to 31st March 2018	00-05	5700	500	5200	4215	985		
		05-22	5700		5200		985		
		22-24	5700		5200		985		
SR-WR *	1st March 2018 to 31st March 2018	00-24	No limit is being Specified.						
ER-SR	1st March 2018 to 22nd March 2018	00-06	3800	250	3550	2762	788		
		06-18'				2847	703		
		18-24				2762	788		
	23rd March 2018 to 31st March 2018	00-06	3800	250	3550	3262	288		
		06-18'				3347	203		
		18-24				3262	288		
SR-ER *	1st March 2018 to 31st March 2018	00-24	No limit is being Specified.						
ER-NER	1st March 2018 to 4th March 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		
	5th March 2018 to 6th March 2018	00-10	1370	45	1325	225	1100		Revised due to shutdown of 400/220 kV 315 MVA ICT#1 at Misa Ss
		10-17	1070		1025		800	-300	
		17-23	980		935		710	-330	
		23-24	1070		1025		800	-300	
	7th March 2018 to 31st March 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		

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NER-ER	1st March 2018 to 4th March 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
	5th March 2018 to 6th March 2018	00-10	1460	45	1415	0	1415		Revised due to shutdown of 400/220 kV 315 MVA ICT#1 at Misa Ss
		10-17	1230		1185		1185	-230	
		17-23	1280		1235		1235	-140	
		23-24	1230		1185		1185	-230	
	7th March 2018 to 31st March 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
W3 zone Injection	1st March 2018 to 31st March 2018	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&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.									

* 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 willl 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
ER									
NR	1st March 2018 to 31st March 2018	00-05	12200	800	11400	12323	0		
		05-08	12200		11400		0		
		08-18	12200		11400		0		
		18-23	11000		10200		0		
		23-24	12200		11400		0		
NER	1st March 2018 to 4th March 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		
	5th March 2018 to 6th March 2018	00-10	1370	45	1325	225	1100		Revised due to shutdown of 400/220 kV 315 MVA ICT#1 at Misa Ss
		10-17	1070		1025		800	-300	
		17-23	980		935		710	-330	
		23-24	1070		1025		800	-300	
	7th March 2018 to 31st March 2018	00-17	1370	45	1325	225	1100		
		17-23	1310		1265		1040		
		23-24	1370		1325		1100		
WR									
SR	1st March 2018	00-05	9500	750	8750	6926	1824		
		05-06	9500		8750	6926	1824		
		06-18	9500		8750	7011	1739		
		18-22	9500		8750	6926	1824		
		22-24	9500		8750	6926	1824		
	2nd March 2018 to 22nd March 2018	00-05	9500	750	8750	6976	1774		
		05-06	9500		8750	6976	1774		
		06-18	9500		8750	7061	1689		
		18-22	9500		8750	6976	1774		
		22-24	9500		8750	6976	1774		
	23rd March 2018 to 31st March 2018	00-05	9500	750	8750	7476	1274		
		05-06	9500		8750	7476	1274		
		06-18	9500		8750	7561	1189		
		18-22	9500		8750	7476	1274		
		22-24	9500		8750	7476	1274		

* 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 March 2018 to 31st March 2018	00-06	4500	700	3800	248	3552		
		06-18			3800	368	3432		
		18-24	4500		3800	248	3552		
NER	1st March 2018 to 4th March 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
	5th March 2018 to 6th March 2018	00-10	1460	45	1415	0	1415		Revised due to shutdown of 400/220 kV 315 MVA ICT#1 at Misa Ss
		10-17	1230		1185		1185	-230	
		17-23	1280		1235		1235	-140	
		23-24	1230		1185		1185	-230	
	7th March 2018 to 31st March 2018	00-17	1460	45	1415	0	1415		
		17-23	1420		1375		1375		
		23-24	1460		1415		1415		
WR									
SR *	1st March 2018 to 31st March 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)

Corridor	Constraint	Applicable Revisions
NR-WR	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	All
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.	All
	3. High loading of 400 kV Bhachau-Versana D/C line	5,6
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	All
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) b. (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)	All
	Low Voltage at Gazuwaka (East) Bus.	All
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)	All
NER-ER	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of 220 kV Samaguri - Sonabil line	All
W3 zone Injection	---	All

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.	All
		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.	
		3. High loading of 400 kV Bhachau-Versana D/C line	5,6
	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	
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)	All
	Export	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of 220 kV Samaguri - Sonabil line	All
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) b. (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)	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	7th December 2017	Whole Month	Revised STOA due to MTOA (9.46 MW) of JITPL to Nothern Railways Delhi	ER-NR/Import of NR
2	3rd Jan 2018	Whole Month	Revised STOA margin due to allocation of NTPC WR plants to Andra Pradesh and resumption of allocation to SW-Railways from RGPPL	WR-SR/Import of SR
3	22nd Jan 2018	Whole month	Revised STOA margin due to (i) allocation of 125 MW and 200 MW power from NTPC WR to Telangana & Karnataka respectively and (ii) 50 MW of power from NTPC ER to Telangana	WR-SR/ER-SR/Import of SR
4	3rd Feb 2018	Whole month	Revised STOA margins due to change in Talcher Stg-II DC	ER-SR/Import of SR
5	26th Feb 2018	Whole month	Revised due to restriction in MundraMahindragarh power order because of low generation at APL Mundra	WR-NR/Import of NR
		Whole month	Revised STOA margin due to (a) 50 MW allocation to Karnataka from NTPC WR plants (b) 5 MW allocation to Telangana from NTPC WR plants	WR-SR/Import of SR
		1st March to 22nd March	Revised STOA margin on basis of inter-regional LTA uilisation/allocation	ER-SR/Import of SR
6	28th Feb 2018	1st March	Revised STOA margins due to (i) 50 MW allocation to Telangana from NTPC WR plants	WR-SR/Import of SR
		2nd March to 31st March	Revised STOA margins due to (i) 50 MW allocation to Telangana from NTPC WR plants and (ii) 50 MW allocation to Karnataka from NTPC WR plants	
7	04th Mar 2018	5th Mar to 6th Mar 2018	Revised due to shutdown of 400/220 kV 315 MVA ICT#1 at Misa Ss	ER-NER/NER-ER

ASSUMPTIONS IN BASECASE					
				Month : March'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	7186	4990	2745	2813
2	Haryana	6952	4672	1422	1422
3	Rajasthan	9419	9770	5155	5114
4	Delhi	4024	2446	664	664
5	Uttar Pradesh	14272	14173	7165	7079
6	Uttarakhand	1744	1296	653	552
7	Himachal Pradesh	1458	570	81	37
8	Jammu & Kashmir	2273	1624	553	389
9	Chandigarh	232	124	0	0
10	ISGS/IPPs	25	25	19234	11503
	Total NR	47586	39691	37673	29574
II	EASTERN REGION				
1	Bihar	4230	2466	285	288
2	Jharkhand	1105	828	271	268
3	Damodar Valley Corporation	2905	2541	4866	3959
4	Orissa	3847	2922	3131	2322
5	West Bengal	6930	4968	5220	3618
6	Sikkim	84	48	0	0
7	Bhutan	209	219	424	290
8	ISGS/IPPs	268	259	11868	8503
	Total ER	19576	14251	26064	19248
III	WESTERN REGION				
1	Maharashtra	19088	15285	12588	10688
2	Gujarat	14117	11798	9142	8468
3	Madhya Pradesh	9214	6421	4157	3406
4	Chattisgarh	4186	3206	2727	2148
5	Daman and Diu	330	287	0	0
6	Dadra and Nagar Haveli	715	688	0	0
7	Goa-WR	590	347	0	0
8	ISGS/IPPs	3899	3487	37780	31971
	Total WR	52139	41519	66394	56682

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	8498	6093	6374	4557
2	Telangana	9517	7745	5247	3940
3	Karnataka	10027	8135	6395	4394
4	Tamil Nadu	14819	13215	7450	5600
5	Kerala	4055	2500	1614	194
6	Pondy	372	376	0	0
7	Goa-SR	84	85	0	0
8	ISGS/IPPs	0	0	15618	13858
	Total SR	47372	38149	42697	32543
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	116	61	0	0
2	Assam	1115	921	234	123
3	Manipur	151	87	0	0
4	Meghalaya	250	184	84	34
5	Mizoram	93	69	8	8
6	Nagaland	101	79	12	12
7	Tripura	183	125	72	78
8	ISGS/IPPs	158	100	1756	1495
	Total NER	2167	1626	2166	1750
	Total All India	169216	135629	175472	140126