National Load Despatch Centre
Total Transfer Capability for May 2018

Issue Date: 28th January 2018 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 May 2018 to 31st May 2018	00-06	2500	500	2000	55	1945		
		06-18				65	1935		
		18-24				55	1945		
WR-NR*	1st May 2018 to 31st May 2018	00-24	10050	500	9550	9280	270		
NR-ER*	1st May 2018 to 31st May 2018	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st May 2018 to 31st May 2018	00-24	4500	300	4200	3039	1161		
W3-ER	1st May 2018 to 31st May 2018	00-24	No limit is being specified.						
ER-W3	1st May 2018 to 31st May 2018	00-24	No limit is being specified.						
WR-SR	1st May 2018 to 31st May 2018	00-05	5700	500	5200	4360	840		
		05-22	5700		5200		840		
		22-24	5700		5200		840		
SR-WR *	1st May 2018 to 31st May 2018	00-24	No limit is being Specified.						
ER-SR	1st May 2018 to 31st May 2018	00-06	3800	250	3550	3339	211		
		06-18				3424	126		
		18-24				3339	211		
SR-ER *	1st May 2018 to 31st May 2018	00-24	No limit is being Specified.						
ER-NER	1st May 2018 to 31st May 2018	00-17	1250	45	1205	225	980		
		17-23	1110		1065		840		
		23-24	1250		1205		980		
NER-ER	1st May 2018 to 31st May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
W3 zone Injection	1st May 2018 to 31st May 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.

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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 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 May 2018 to 31st May 2018	00-05	14350	800	13550	12319	1231		
		05-08	14350		13550		1231		
		08-18	14350		13550		1231		
		18-23	13050		12250		0		
		23-24	14350		13550		1231		
NER	1st May 2018 to 31st May 2018	00-17	1250	45	1205	225	980		
		17-23	1110		1065		840		
		23-24	1250		1205		980		
WR									
SR	1st May 2018 to 31st May 2018	00-05	9500	750	8750	7698	1052		
		05-06	9500		8750	7698	1052		
		06-18	9500		8750	7783	967		
		18-22	9500		8750	7698	1052		
		22-24	9500		8750	7698	1052		

* 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 May 2018 to 31st May 2018	00-06	4500	700	3800	248	3552		
		06-18			3800	368	3432		
		18-24	4500		3800	248	3552		
NER	1st May 2018 to 31st May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
WR									
SR *	1st May 2018 to 31st May 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	(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.	All
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	All
ER-NR	1. N-1 contingencies of 400 kv Mejia-Maithon A S/c 2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c 3. 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 other ICT at Misa	All
W3 zone Injection	---	All

Limiting Constraints (Simultaneous)

			Applicable Revisions
NR	**Import**	1. N-1 contingencies of 400 kv Mejia-Maithon A S/c 2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c 3. N-1 contingencies of 400kV MPL- Maithon S/c	All
		(n-1) Contingnecy of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.	
	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 other ICT at Misa	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

ASSUMPTIONS IN BASECASE					
				Month : May'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	8479	8228	4059	4077
2	Haryana	7777	7660	2139	2139
3	Rajasthan	10146	10147	6390	6337
4	Delhi	5760	5526	691	691
5	Uttar Pradesh	16367	16149	9969	9915
6	Uttarakhand	1886	1687	912	833
7	Himachal Pradesh	1484	1329	589	530
8	Jammu & Kashmir	2851	1640	1079	1071
9	Chandigarh	304	232	0	0
10	ISGS/IPPs	25	25	20090	17008
	Total NR	55078	52624	45919	42602
II	EASTERN REGION				
1	Bihar	3971	2726	310	181
2	Jharkhand	1187	871	384	210
3	Damodar Valley Corporation	2952	2684	4767	4014
4	Orissa	3930	3132	3005	2282
5	West Bengal	7664	5659	5432	4259
6	Sikkim	85	50	0	0
7	Bhutan	212	219	614	582
8	ISGS/IPPs	266	260	11286	9307
	Total ER	20265	15602	25799	20836
III	WESTERN REGION				
1	Maharashtra	18958	18097	11630	10987
2	Gujarat	14011	14396	8909	8909
3	Madhya Pradesh	7898	7788	2992	2992
4	Chattisgarh	3443	3568	2270	2740
5	Daman and Diu	304	293	0	0
6	Dadra and Nagar Haveli	762	742	0	0
7	Goa-WR	472	416	0	0
8	ISGS/IPPs	3852	3656	39424	39424
	Total WR	49700	48955	65225	65052

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	8600	8600	5740	4856
2	Telangana	7546	6122	3759	3063
3	Karnataka	9394	8077	4623	4966
4	Tamil Nadu	15200	13500	8660	6510
5	Kerala	4000	2400	1474	120
6	Pondy	372	372	0	0
7	Goa-SR	84	89	0	0
8	ISGS/IPPs	0	0	15094	13476
	Total SR	45196	39161	39350	32991
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	133	74	0	0
2	Assam	1227	964	245	150
3	Manipur	168	87	0	0
4	Meghalaya	289	195	223	157
5	Mizoram	101	69	8	8
6	Nagaland	117	82	16	8
7	Tripura	240	158	78	78
8	ISGS/IPPs	140	140	1955	1576
	Total NER	2415	1769	2525	1977
	Total All India	173094	158505	179486	164078