National Load Despatch Centre Total Transfer Capability for May 2021

Issue Date: 28th January 2020

Issue Time: 1800 hrs

Revision No. 0 Long Term Margin Changes Total Available Time Access (LTA)/ Available for in TTC Transfer Reliability Transfer Corridor Date Period Medium Term Short Term w.r.t. Comments Capability Margin Capability (hrs) **Open Access Open Access** Last (TTC) (ATC) (MTOA) # (STOA) Revision 00-06 195 1805 1st May 2021 to NR-WR* 06-18 2500 500 2000 1281 719 31st May 2021 18-24 195 1805 17850 17350 10800 00-06 500 6550 16900** 16400** 9850** 17850 17350 11189 1st May 2021 to WR-NR* 06-18 500 6161 31st May 2021 16900** 16400** 10239** 17850 17350 10800 18-24 500 6550 16900** 16400** 9850** 00-06 2000 1800 193 1607 1st May 2021 to NR-ER* 2000 200 1800 06-18 303 1497 31st May 2021 18-24 2000 1800 193 1607 1st May 2021 to ER-NR* 00-24 5500 300 5200 4066 1134 31st May 2021 1st May 2021 to W3-ER 00-24 No limit is being specified. 31st May 2021 1st May 2021 to ER-W3 00-24 No limit is being specified. 31st May 2021 00-05 8000 3427 7500 1st May 2021 to WR-SR[^] 500 4073 05-22 8000 7500 3427 31st May 2021 22-24 8000 7500 3427 1st May 2021 to SR-WR * 00-24 4600 400 4200 550 3650 31st May 2021 00-06 2673 2977 1st May 2021 to ER-SR[^] 06-18 5900 250 5650 2758 2892 31st May 2021 18-24 2673 2977 1st May 2021 to SR-ER * 00-24 No limit is being Specified. 31st May 2021 00-02 860 474 341 815 02-07 341 860 815 474 07-12 1st May 2021 to 900 855 474 381 **ER-NER*** 45 31st May 2021 12-17 870 825 474 351 525 51 17-21 570 474 21-24 860 815 474 341 00-02 3080 3035 83 2952 02-07 3080 3035 83 2952 1st May 2021 to 07-12 3100 3055 83 2972 NER-ER* 45 31st May 2021 12-17 3150 3105 3022 83 17-21 3250 3205 3122 83 21-24 3080 3035 2952 83

National Load Despatch Centre Total Transfer Capability for May 2021

Total Transfer Capability for May 2021									
28th January 2	2020	Issu	e Time: 180	0 hrs		R	Revision No.	0	
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	
1st May 2021 to 31st May 2021	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)							
ATC of S1-(S2&S Ionthly ATC.	S3) corrid	or, Import of S	83(Kerala), Ir	nport of Punja	ab and Import of l	DD & DNH is up	loaded on NL	DC website under Intra-Regional	
nt (50 %) Counte Serve).	er flow ben	efit on account	of LTA/MTO	A transactions	in the reverse direc	ction would be con	sidered for adv	vanced transactions (Bilateral & First	
						of scheduling, me	tering and acc	ounting and 950 MW ex-bus	
 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. 									
value willl be revi	sed to norr	nal values if th	e shutdown is	not being avail	ed in real time.				
TC/ATC revisions	s are uploa	ded on POSOC	O/NLDC "Ne	ws Update" (Fl	asher) Section				
						ER-SR corridor ha	s not been rest	ricted due to the same considering	
^In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by taking appropriate measures.									
SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.									
WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.									
	Date 1st May 2021 to 31st May 2021 ATC of S1-(S2&: Conthly ATC. Int (50 %) Counter erve). ag 400 kV Rihand Rihand stage-III. Ses of Telangana, A ises of the followin a Sell transaction, I 0 Sterlite (#1,3,4), 1 regional entity gen is based on LTA/ 2/New units being ality that net sche C Revision due to value will be revivalue will be	DatePeriod (hrs)1st May 2021 to 31st May 202100-24ATC of S1-(S2&S3) corrid tonthly ATC.00-24ATC of S1-(S2&S3) corrid tonthly ATC.and stage-III - resourcent (50 %) Counter flow ben erve).ne 400 kV Rihand stage-III - Rihand stage-III. Rihand Stage-III. Rihand Stage-III. Rihand stage-III. Rihand Stages of Telangana, AP and Kar rises of the following regional a Sell transaction, b) Jindal Pc0. Sterlite (#1,3,4), h) NSPCL, regional entity generator in C is based on LTA/MTOA appe/New units being commissi ality that net schedules excee 'C Revision due to any shuted value will be revised to norr raulue will be revised to norr fC/ATC revisions are uploa315 MVA, 400/220 kV ICTE act will be managed by AP S piate measures.'/ATC figures have been calco ort of NR TTC has been calco	28th January 2020 Issue Date Time Period (hrs) Total Transfer Capability (TTC) 1st May 2021 to 31st May 2021 00-24 No limit is be ATC of S1-(S2&S3) corritory Import of S1 (S2&S3) corritory Import of S1 (S2&S3) corritory Import of S2 (S000 kV Rihand stage-III - Vindhyachal F Rihand stage-III. Rihand Stage-III egnerations is so f Telangana, AP and Karrataka; S2 comports is correction, b) Jindal Power Limited (JI 0) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sip regional entity generator in Chhattisgarh is based on LTA/MTOA approved by CTU 2/New units being commissionned the LTA ality that net schedules exceed ATC, real ti 32 Starlity that net schedules exceed ATC, real ti 33 S MVA, 400/220 kV ICTs at Maradam a sch will be revised to normal values after value will be revised to normal values if th TC/ATC revisions are uploaded on POSOCC 315 MVA, 400/220 kV ICTs at Maradam a sch will be managed by AP SLDC through a will of Karnataka beyond 3800 MW, the w piate measures. WATC figures have been calculated consider ort of NR TTC has been calculated consider	28th January 2020 Issue Time: 180 Date Time Period (hrs) Total Transfer Capability (TTC) Reliability Margin 1st May 2021 to 31st May 2021 00-24 No limit is being specified (ATC of S1-(S2&S3) corridor, Import of S3(Kerala), In tonthly ATC. No limit is being specified (Total (50 %) Counter flow benefit on account of LTA/MTO erve). 1t ////////////////////////////////////	28th January 2020 Issue Time: 1800 hrs Image: Time Period (hrs) Total Transfer Capability (TTC) Reliability Margin Available Transfer Capability (ATC) 1st May 2021 00-24 No limit is being specified (In case of any of 31st May 2021) 00-24 1st May 2021 00-24 No limit is being specified (In case of any of 31st May 2021) No limit is being specified (In case of any of 31st May 2021) ATC of S1-(S2&S3) corridor, Import of S3(Kerala), Import of Punjitonthy ATC. Import of S3(Kerala), Import of Punjitonthy ATC. reve). nt (50 %) Counter flow benefit on account of LTA/MTOA transactions erve). Import of S3(Kerala), Import of Punjitonthy ATC. reg 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional: Rihand stage-III. Rihand Stage-III generation is considered as NR regio ises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Pudu ises of the following regional entities : a Selt ransaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jinda Sterlite (H1,34), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB P regional entity generator in Chhattisgarh is based on LTA/MTOA approved by CTU and Allocation figures as pe //New units being commissionned the LTA/MTOA utilized would vary, ality that net schedules exceed ATC, real time curtailments might be eff C Revision due to any shutdown : value will be revised to normal values after restoration of shutdown. value will be revised to normal values after restoration of shutdown. Fil S15 MVA, 400/	28th January 2020 Issue Time: 1800 hrs Image: Section of the sectin of the section of the section of the sectin of the se	28th January 2020 Issue Time: 1800 hrs Issue Time: 180 hrs Issue Time: 1800 hrs Iss	28th January 2020 Issue Time: 1800 hrs Revision No. Image: A marked of the period of the	

Corridor	ous Import Capal	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
		00-06	23350 22400**		22550 21600**	14866 13916**	7684		
		22400** 23350 06-09 22400**	-	22550 21600**	15255 14305**	7295			
	1st May 2021 to 31st May 2021	09-17	23350 22400**	800	22550 21600**	15255	7295		
		23350 17-18 22400**	-	22550 21600**	15255	7295			
		18-24	23350 22400**		22550 21600**	14866 13916**	7684		
		00-02	860		815	474	341		
		02-07	860	1	815	474	341		
NER [*]	1st May 2021 to	07-12	900	45	855	474	381		
NEK	31st May 2021	12-17	870	43	825	474	351		
		17-21	570		525	474	51		
		21-24	860		815	474	341		
WR [*]									
		00.07	12000		12150	(7.14)	C104		
SR ^{*#}	1st May 2021 to	00-06	13900	750	13150	6746	6404		
SK "	31st May 2021	06-18	13900	750	13150	6831	6319		
	-	18-24	13900		13150	6746	6404		

* 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).

**Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

* 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)

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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
	1st May 2021 to	00-06	4500	700	3800	388	3412		
NR*	31st May 2021 to	06-18	4500		3800	1584	2216		
	518t Way 2021	18-24	4500		3800	388	3412		
	1st May 2021 to	00-02	3080	45	3035	83	2952		
		02-07	3080		3035	83	2952		
NER*		07-12	3100		3055	83	2972		
NEK*	31st May 2021	12-17	3150		3105	83	3022		
	·	17-21	3250		3205	83	3122		
		21-24	3080		3035	83	2952		
WD*									
WR*									
SR*^	1st May 2021 to 31st May 2021	00-24	3700	400	3300	1150	2150		

* 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).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

Limiting	Constraints (Corridor wise)				
0		Applicable Revisions			
Corridor	Constraint				
WR-NR	N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT	Rev- 0			
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0			
ER-NR	 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. Inter-regional flow pattern towards NR 	Rev- 0			
WR-SR and ER-	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 0			
	Low Voltage at Gazuwaka (East) Bus.	Kev- 0			
SB-WB	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	Rev- 0			
ER-NER	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C 	Rev- 0			
NER-ER	 a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 220/132 kV,100 MVA Dimapur ICT-2 	Rev- 0			
W3 zone Injection		Rev- 0			

Limiting Constraints (Simultaneous)

g	constraints		Applicable Revisions
ND	Import	 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. Inter-regional flow pattern towards NR 	Rev- 0
NR		N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT	Rev- 0
	Export	Rev- 0	
NER	Import	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C 	Rev- 0
NEK	Export	 a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 220/132 kV,100 MVA Dimapur ICT-2 	Rev- 0
SR	Import	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT Low Voltage at Gazuwaka (East) Bus	Rev- 0
SK	Export	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	Rev- 0

National Load Despatch Centre Total Transfer Capability for May 2021

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

ASSUN	IPTIONS IN BASECASE				
				Month : April 2021	
S.No.	Name of State/Area		Load	Genera	ition
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
Ι	NORTHERN REGION				
1	Punjab	7082	5944	3303	3219
2	Haryana	6885	6321	1819	1819
3	Rajasthan	11247	11020	7767	7739
4	Delhi	5022	3487	672	672
5	Uttar Pradesh	14329	15067	8642	8612
6	Uttarakhand	1773	1733	886	604
7	Himachal Pradesh	1015	861	190	139
8	Jammu & Kashmir	1494	1461	109	109
9	Chandigarh	251	159	0	0
10	ISGS/IPPs	19	19	14286	11153
	Total NR	49117	46071	37675	34067
II	EASTERN REGION				
1	Bihar	4849	3097	352	344
2	Jharkhand	1502	1034	378	353
3	Damodar Valley Corporation	2755	2556	4353	3476
4	Orissa	3582	2895	2946	2400
5	West Bengal	6439	4457	4879	3510
6	Sikkim	112	45	0	0
7	Bhutan	162	168	270	214
8	ISGS/IPPs	-162	-168	12566	8973
	Total ER	19239	14083	25743	19269
	WESTERN REGION				
1	Maharashtra	18778	13739	12230	9486
2	Gujarat	15979	11721	11083	7999
3	Madhya Pradesh	15354	7101	7911	4031
4	Chattisgarh	4046	2689	2384	1953
5	Daman and Diu	339	292	0	0
6	Dadra and Nagar Haveli	814	774	0	0
7	Goa-WR	625	390	0	0
8	ISGS/IPPs	4017	3424	41810	30230
0	Total WR	59952	40130	75417	53699

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	9090	5024	6476	5986	
2	Telangana	9542	10582	4884	4648	
3	Karnataka	10315	5023	8110	3639	
4	Tamil Nadu	14023	10332	6537	5162	
5	Kerala	3838	2287	1665	95	
6	Pondy	303	309	0	0	
7	Goa-SR	47	48	0	0	
8	ISGS/IPPs	0	0	13941	10412	
	Total SR	47158	33605	41613	29942	
V	NORTH-EASTERN REGION					
1	Arunachal Pradesh	105	66	12	8	
2	Assam	1192	861	288	243	
3	Manipur	224	109	0	0	
4	Meghalaya	322	266	230	189	
5	Mizoram	117	67	48	28	
6	Nagaland	121	94	8	8	
7	Tripura	225	135	75	75	
8	ISGS/IPPs	139	85	2580	2126	
	Total NER	2444	1683	3241	2676	
	Total All India	177771	135487	183689	139653	