

National Load Despatch Centre Total Transfer Capability for Oct 2022									
Issue Date:Sep 28 2022					Issue Time:12:42:32			Revision No :4	
Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnages w.r.t. Previous Revision	Comment
ER-NER	01 Oct to 31 Oct	00:00 to 07:00	910	60	850	455	395	0	
		07:00 to 12:00	895	60	835	455	380	0	
		12:00 to 18:00	900	60	840	455	385	0	
		18:00 to 22:00	725	60	665	455	210	0	
		22:00 to 24:00	910	60	850	455	395	0	
ER-NR	01 Oct to 31 Oct	00:00 to 24:00	8000	400	7600	4854	2746	0	
ER-SR	01 Oct to 31 Oct	00:00 to 06:00	5700	350	5350	3250	2100	0	
		06:00 to 18:00	5700	350	5350	3316	2034	0	
		18:00 to 24:00	5700	350	5350	3250	2100	0	
ER-W3	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Oct to 31 Oct	00:00 to 07:00	3380	60	3320	258	3062	0	
		07:00 to 12:00	3350	60	3290	258	3032	0	
		12:00 to 18:00	3370	60	3310	258	3052	0	
		18:00 to 22:00	3250	60	3190	258	2932	0	
		22:00 to 24:00	3380	60	3320	258	3062	0	
NR-ER	01 Oct to 31 Oct	00:00 to 06:00	2000	200	1800	100	1700	0	
		06:00 to 18:00	2000	200	1800	1615	185	0	
		18:00 to 24:00	2000	200	1800	100	1700	0	
NR-WR	01 Oct to 31 Oct	00:00 to 06:00	3600	500	3100	1232	1868	0	
		06:00 to 18:00	3600	500	3100	4568	0	0	
		18:00 to 24:00	3600	500	3100	1232	1868	0	
SR-ER	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Oct to	00:00 to 06:00	7400	650	6750	852	5898	0	

Corridor	31 Oct Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnages w.r.t. Previous Revision	Comment
		06:00 to 18:00	7400	650	6750	1052	5698	0	
		18:00 to 24:00	7400	650	6750	852	5898	0	
W3 Injection	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Oct to 31 Oct	00:00 to 06:00	17800	1000	16800	11106	5694	0	Revised STOA margin due to a) Increase in LTA quantum by 27.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL b) Increase in LTA quantum by 23.4 MW from SRIJAN_MORJAR_BHJ2_W to BYPL c) Operationalization of new LTAs of quantum of 50 MW & 274.4 MW from SBESS_PTHMPUR_INDR_W to UPPCL
		06:00 to 18:00	17800	1000	16800	11405	5395	0	
		18:00 to 24:00	17800	1000	16800	11106	5694	0	
WR-SR	01 Oct to 31 Oct	00:00 to 06:00	11600	650	10950	3598	7352	0	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry
		06:00 to 18:00	11600	650	10950	4560	6390	0	
		18:00 to 24:00	11600	650	10950	3598	7352	0	

\* 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 - Vindhyaachal 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.

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) KWPC, n)Vandana Vidut 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.

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

^Though 3X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implemetation.

^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..

**Simultaneous Import Capability**

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnages w.r.t. Previous Revision	Comment
ER	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
NER	01 Oct to 31 Oct	00:00 to 07:00	910	60	850	455	395	0	
		07:00 to 12:00	895	60	835	455	380	0	
		12:00 to 18:00	900	60	840	455	385	0	
		18:00 to 22:00	725	60	665	455	210	0	
		22:00 to 24:00	910	60	850	455	395	0	
NR	01 Oct to 31 Oct	00:00 to 06:00	25800	1400	24400	15960	8440	0	Revised STOA margin due to a) Increase in LTA quantum by 27.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL b) Increase in LTA quantum by 23.4 MW from SRIJAN_MORJAR_BHJ2_W to BYPL c) Operationalization of new LTAs of quantum of 50 MW & 274.4 MW from SBESS_PTHMPUR_INDR_W to UPPCL
		06:00 to 18:00	25800	1400	24400	16259	8141	0	
		18:00 to 24:00	25800	1400	24400	15960	8440	0	
SR	01 Oct to 31 Oct	00:00 to 06:00	17300	1000	16300	6848	9452	0	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry
		06:00 to 18:00	17300	1000	16300	7876	8424	0	
		18:00 to 24:00	17300	1000	16300	6848	9452	0	

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnages w.r.t. Previous Revision	Comment
WR	01 Oct to 31 Oct	00:00 to 24:00	NA	NA			0	0	

\* 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..

#### Simultaneous Export Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Long Term Access(LTA)/Medium Term Open Access(MTOA)	Margin Available For Short Term Open Access(STOA)	Chnages w.r.t. Previous Revision	Comment
ER	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
NER	01 Oct to 31 Oct	00:00 to 07:00	3380	60	3320	258	3062	0	
		07:00 to 12:00	3350	60	3290	258	3032	0	
		12:00 to 18:00	3370	60	3310	258	3052	0	
		18:00 to 22:00	3250	60	3190	258	2932	0	
		22:00 to 24:00	3380	60	3320	258	3062	0	
NR	01 Oct to 31 Oct	00:00 to 06:00	3600	500	3100	1332	1768	0	
		06:00 to 18:00	3600	500	3100	6183	0	0	
		18:00 to 24:00	3600	500	3100	1332	1768	0	
SR	01 Oct to 31 Oct	00:00 to 06:00	6350	650	5700	1944	3756	0	
		06:00 to 18:00	6350	650	5700	2294	3406	0	
		18:00 to 24:00	6350	650	5700	1944	3756	0	
WR	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	

\* 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	Constraints	Revisions
WR-NR	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-4
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-4
ER-NR	Inter-regional flow pattern towards NR	0-4
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-4
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-4
SR-WR	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	0-4
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-4
NER-ER	a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-4
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-4
NR_EXPORT	(N-1) Contingency of 400 kV Banaskantha - Veloda D/C (n-1) contingency of 400 kV Saranath-Pusauli	0-4
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-4
NER_EXPORT	a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	0-4
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	0-4
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-4
		0-4

**Revision Summary**

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	30 Jun	01 Oct to 31 Oct	Due to change in LGB and change in inter-regional flow pattern	WR-NR
		01 Oct to 31 Oct	Due to change in LGB and change in inter-regional flow pattern	ER-NR
		01 Oct to 31 Oct	Due to change in LGB and change in inter-regional flow pattern	NR_IMPORT
2	28 Jul	01 Oct to 31 Oct	Revised STOA margin due to discontinuation of LTA quantum of 72.81 MW from NSNTPC_FTG1 to TSNPDCL	NR-WR
		01 Oct to 31 Oct	Revised STOA margin due to discontinuation of LTA quantum of 72.81 MW from NSNTPC_FTG1 to TSNPDCL	NR_EXPORT
3	28 Aug	01 Oct to 31 Oct	Revised STOA margin due to increase in LTA quantum of 34.43 MW from NSNTPC_FTG1 to TSSPDCL	NR-WR
		01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 26.3 MW from POWERICA to UPPCL b) Operationalization of new LTA quantum of 72 MW from SRIJAN_MORJAR_BHJ2_W to BRPL c) Operationalization of new LTA quantum of 72 MW from SRIJAN_MORJAR_BHJ2_W to BYPL	WR-NR
		01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 96.3 MW from Fatehgarh-I Solar to Telangana b) Increase in LTA quantum by 36 MW from KAWAS to TELANGANA c) Operationalization of new LTA quantum of 10.1 MW from GANDHAR to TELANGANA	WR-SR
		01 Oct to 31 Oct	Revised STOA margin due to operationalization of new MTOA quantum of 102 MW from SEILP2 to Gujarat	SR-WR
		01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 26.3 MW from POWERICA to UPPCL b) Operationalization of new LTA quantum of 72 MW from SRIJAN_MORJAR_BHJ2_W to BRPL c) Operationalization of new LTA quantum of 72 MW from SRIJAN_MORJAR_BHJ2_W to BYPL	NR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 96.3 MW from Fatehgarh-I Solar to Telangana b) Increase in LTA quantum by 36 MW from KAWAS to TELANGANA c) Operationalization of new LTA quantum of 10.1 MW from GANDHAR to TELANGANA	SR_IMPORT
		01 Oct to 31 Oct	Revised STOA margin due to increase in LTA quantum of 34.43 MW from NSNTPC_FTG1 to TSSPDCL	NR_EXPORT
		01 Oct to 31 Oct	Revised STOA margin due to operationalization of new MTOA quantum of 102 MW from SEILP2 to Gujarat	SR_EXPORT
4	28 Sep	01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 27.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL b) Increase in LTA quantum by 23.4 MW from SRIJAN_MORJAR_BHJ2_W to BYPL c) Operationalization of new LTAs of quantum of 50 MW & 274.4 MW from SBESS_PTHMPUR_INDR_W to UPPCL	WR-NR
		01 Oct to 31 Oct	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry	WR-SR
		01 Oct to 31 Oct	Revised STOA margin due to a) Increase in LTA quantum by 27.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL b) Increase in LTA quantum by 23.4 MW from SRIJAN_MORJAR_BHJ2_W to BYPL c) Operationalization of new LTAs of quantum of 50 MW & 274.4 MW from SBESS_PTHMPUR_INDR_W to UPPCL	NR_IMPORT
		01 Oct to 31 Oct	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry	SR_IMPORT

BASECASE LGBR					
S.No.	Name of State/Region	Load		Month:	Oct - 22
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	9901	8919	3311	2367
2	Haryana	8683	7554	2322	1661
3	Rajasthan	9888	8413	5333	4622
4	Delhi	4938	4116	554	506
5	Uttar Pradesh	19668	17584	10839	9186
6	Uttarakhand	1946	1567	1600	1183
7	Himachal Pradesh	1401	1026	1975	1611
8	Jammu & Kashmir	2271	1181	1157	1072
9	Chandigarh	278	203	0	0
10	ISGS/IPPs	59	57	22573	17521
	Total NR	59033	50620	49662	39730
II	EASTERN REGION				
1	Bihar	6568	5935	496	419
2	Jharkhand	1667	1216	444	343
3	Damodar Valley Corporation	3183	2698	5421	4571
4	Orissa	5625	4979	4035	3090
5	West Bengal	9573	7825	6642	5433
6	Sikkim	111	64	0	0
7	Bhutan	55	54	1450	1307
8	ISGS/IPPs	850	850	17853	14945
	Total ER	27633	23622	36340	30107
III	WESTERN REGION				
1	Maharashtra	16324	13276	9397	9871
2	Gujarat	15123	11957	6126	7052
3	Madhya Pradesh	9698	7600	2929	3614
4	Chattisgarh	3856	2970	1583	1753
5	Daman and Diu	327	273	0	0

6	Dadra and Nagar Haveli	836	698	0	0
7	Goa-WR	477	391	0	0
8	ISGS/IPPs	5260	4220	45660	31729
	Total WR	51902	41385	65696	54019
IV	SOUTHERN REGION				
1	Andhra Pradesh	8717	8076	4326	4705
2	Telangana	13020	10843	6994	6493
3	Karnataka	10457	8057	9165	6768
4	Tamil Nadu	16096	14724	7302	6166
5	Kerala	3877	2743	1540	458
6	Pondy	398	403	0	0
7	Goa-SR	118	120	0	0
8	ISGS/IPPs	0	0	16130	15796
	Total SR	52684	44966	45457	40386
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	147	83	0	0
2	Assam	2051	1702	280	259
3	Manipur	223	101	0	0
4	Meghalaya	365	236	274	123
5	Mizoram	134	75	49	42
6	Nagaland	189	161	23	18
7	Tripura	485	287	194	180
8	ISGS/IPPs	0	0	3198	2891
	Total NER	3594	2645	4017	3512
	Total All India	194846	163237	201173	167754