

National Load Despatch Centre Total Transfer Capability for Dec 2022									
Issue Date:Nov 28 2022					Issue Time:14:30:53			Revision No :3	
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 Dec to 31 Dec	00:00 to 07:00	925	60	865	455	410	0	
		07:00 to 12:00	905	60	845	455	390	0	
		12:00 to 18:00	915	60	855	455	400	0	
		18:00 to 22:00	735	60	675	455	220	0	
		22:00 to 24:00	925	60	865	455	410	0	
ER-NR	01 Dec to 31 Dec	00:00 to 24:00	8000	400	7600	4854	2746	0	
ER-SR	01 Dec to 31 Dec	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 Dec to 31 Dec	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Dec to 31 Dec	00:00 to 07:00	3365	60	3305	258	3047	0	
		07:00 to 12:00	3340	60	3280	258	3022	0	
		12:00 to 18:00	3380	60	3320	258	3062	0	
		18:00 to 22:00	3270	60	3210	258	2952	0	
		22:00 to 24:00	3365	60	3305	258	3047	0	
NR-ER	01 Dec to 31 Dec	00:00 to 06:00	2000	200	1800	125	1675	0	
		06:00 to 18:00	2000	200	1800	1990	0	0	
		18:00 to 24:00	2000	200	1800	125	1675	0	
NR-WR	01 Dec to 31 Dec	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 Dec to 31 Dec	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Dec to 31 Dec	00:00 to 06:00	7400	650	6750	852	5898	0	
		06:00 to 18:00	7400	650	6750	1052	5698	0	
		18:00 to 24:00	7400	650	6750	852	5898	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
W3 Injection	01 Dec to 31 Dec	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Dec to 31 Dec	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Dec to 31 Dec	00:00 to 06:00	17800	1000	16800	11122	5678	0	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by a) 4.5 MW to BYPL & b) 4.5 MW to BRPL
		06:00 to 18:00	17800	1000	16800	11421	5379	0	
		18:00 to 24:00	17800	1000	16800	11122	5678	0	
WR-SR	01 Dec to 31 Dec	00:00 to 06:00	11600	650	10950	3607	7343	0	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry
		06:00 to 18:00	11600	650	10950	4569	6381	0	
		18:00 to 24:00	11600	650	10950	3607	7343	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.

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 Vidyut o)RKM, p)GMR Raikhed, 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 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 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 Dec to 31 Dec	00:00 to 24:00	NA	NA		NA		0	
NER	01 Dec to 31 Dec	00:00 to 07:00	925	60	865	455	410	0	
		07:00 to 12:00	905	60	845	455	390	0	
		12:00 to 18:00	915	60	855	455	400	0	
		18:00 to 22:00	735	60	675	455	220	0	
		22:00 to 24:00	925	60	865	455	410	0	
NR	01 Dec to 31 Dec	00:00 to 06:00	25800	1400	24400	15976	8424	0	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by a) 4.5 MW to BYPL & b) 4.5 MW to BRPL
		06:00 to 18:00	25800	1400	24400	16275	8125	0	
		18:00 to 24:00	25800	1400	24400	15976	8424	0	
SR	01 Dec to 31 Dec	00:00 to 06:00	17300	1000	16300	6857	9443	0	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry
		06:00 to 18:00	17300	1000	16300	7885	8415	0	
		18:00 to 24:00	17300	1000	16300	6857	9443	0	
WR	01 Dec to 31 Dec	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 Dec to 31 Dec	00:00 to 24:00	NA	NA		NA		0	
NER	01 Dec to 31 Dec	00:00 to 07:00	3365	60	3305	258	3047	0	
		07:00 to 12:00	3340	60	3280	258	3022	0	
		12:00 to 18:00	3380	60	3320	258	3062	0	
		18:00 to 22:00	3270	60	3210	258	2952	0	
		22:00 to 24:00	3365	60	3305	258	3047	0	
NR	01 Dec to 31 Dec	00:00 to 06:00	3600	500	3100	1357	1743	0	
		06:00 to 18:00	3600	500	3100	6558	0	0	
		18:00 to 24:00	3600	500	3100	1357	1743	0	
SR	01 Dec to 31 Dec	00:00 to 06:00	6350	650	5700	1970	3730	0	Revised STOA margin due to increase in approved LTA quantum from HIRIYUR_OSTROKANNADA by 25.2 MW to Bihar
		06:00 to 18:00	6350	650	5700	2320	3380	0	
		18:00 to 24:00	6350	650	5700	1970	3730	0	
WR	01 Dec to 31 Dec	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 Vindhychal-Varanasi will overload the other circuit	0-3
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	0-3
ER-NR	Inter-regional flow pattern towards NR	0-3
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-3
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-3
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	0-3
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-3
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	0-3
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhychal-Varanasi will overload the other circuit	0-3

Corridor	Constraints	Revisions
NR_EXPORT	(N-1) Contingency of 400 kV Banaskantha - Veloda D/C (n-1) contingency of 400 kV Saranath-Pusauli	0-3
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-3
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	0-3
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	0-3
SR_EXPORT	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	0-3
		0-3

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Sep	01 Dec to 31 Dec	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 Dec to 31 Dec	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry	WR-SR
		01 Dec to 31 Dec	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 Dec to 31 Dec	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry	SR_IMPORT
2	28 Oct	01 Dec to 31 Dec	Revised STOA margin due to a) Operationalisation of new LTA quantum of 76.5 MW from SITAC_CHUGGER_BHJ2_W to BRPL b) Operationalisation of new LTA quantum of 76.5 MW from SITAC_CHUGGER_BHJ2_W to BYPL c) Discontinuation of LTA quantum of 72.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL d) Discontinuation of LTA quantum of 72.9 MW from SRIJAN_MORJAR_BHJ2_W to BYPL	WR-NR
		01 Dec to 31 Dec	Revised STOA margin due to a) Operationalisation of new LTA quantum of 100 MW from AHEJ3L_S_FTG2 to IPCL_WB b) Operationalisation of new LTA quantum of 25.27 MW from AHEJ3L_W_FTG2 to IPCL_WB c) Operationalisation of new LTA quantum of 250 MW from CSPJPL_BHDL to JBVNL	NR-ER
		01 Dec to 31 Dec	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	WR-SR
		01 Dec to 31 Dec	Revised STOA margin due to a) Operationalisation of new LTA quantum of 76.5 MW from SITAC_CHUGGER_BHJ2_W to BRPL b) Operationalisation of new LTA quantum of 76.5 MW from SITAC_CHUGGER_BHJ2_W to BYPL c) Discontinuation of LTA quantum of 72.9 MW from SRIJAN_MORJAR_BHJ2_W to BRPL d) Discontinuation of LTA quantum of 72.9 MW from SRIJAN_MORJAR_BHJ2_W to BYPL	NR_IMPORT
		01 Dec to 31 Dec	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	SR_IMPORT
		01 Dec to 31 Dec	Revised STOA margin due to a) Operationalisation of new LTA quantum of 100 MW from AHEJ3L_S_FTG2 to IPCL_WB b) Operationalisation of new LTA quantum of 25.27 MW from AHEJ3L_W_FTG2 to IPCL_WB c) Operationalisation of new LTA quantum of 250 MW from CSPJPL_BHDL to JBVNL	NR_EXPORT
3	28 Nov	01 Dec to 31 Dec	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by a) 4.5 MW to BYPL & b) 4.5 MW to BRPL	WR-NR
		01 Dec to 31 Dec	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry	WR-SR
		01 Dec to 31 Dec	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by a) 4.5 MW to BYPL & b) 4.5 MW to BRPL	NR_IMPORT
		01 Dec to 31 Dec	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry	SR_IMPORT
		01 Dec to 31 Dec	Revised STOA margin due to increase in approved LTA quantum from HIRIYUR_OSTROKANNADA by 25.2 MW to Bihar	SR_EXPORT

BASECASE LGBR					
S.No.	Name of State/Region	Load		Month:	Dec'22
		Peak Load (MW)	Off Peak Load (MW)	Generation	
				Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	5869	4094	2375	2012
2	Haryana	6222	4461	1770	1355
3	Rajasthan	13128	7775	7983	6105
4	Delhi	4014	1699	480	458
5	Uttar Pradesh	13892	10427	8489	5155
6	Uttarakhand	1784	1425	341	296
7	Himachal Pradesh	1667	1031	458	155
8	Jammu & Kashmir	2362	2207	209	204
9	Chandigarh	209	93	0	0
10	ISGS/IPPs	53	54	18828	8818
	Total NR	49198	33265	40932	24559
II	EASTERN REGION				
1	Bihar	3913	3541	452	447
2	Jharkhand	1517	1272	351	321
3	Damodar Valley Corporation	3154	3035	5080	4603
4	Orissa	5358	4679	3011	2642
5	West Bengal	5489	4694	5653	5131
6	Sikkim	101	99	0	0
7	Bhutan	57	58	243	289
8	ISGS/IPPs	608	509	14963	11503
	Total ER	20197	17888	29753	24936
III	WESTERN REGION				
1	Maharashtra	19990	14943	13802	11956
2	Gujarat	16303	11977	5795	6694
3	Madhya Pradesh	14361	7844	5009	3273
4	Chattisgarh	3968	2743	2115	2239
5	Daman and Diu	0	0	0	0
6	Dadra and Nagar Haveli	781	773	0	0
7	Goa-WR	427	378	0	0
8	ISGS/IPPs	4861	4135	44531	30264
	Total WR	60691	42793	71253	54426
IV	SOUTHERN REGION				
1	Andhra Pradesh	8063	6227	4404	2729
2	Telangana	11312	8882	5718	4089
3	Karnataka	14332	7717	10650	5665
4	Tamil Nadu	14160	11743	8780	5042
5	Kerala	3201	2879	741	266
6	Pondy	392	397	0	0
7	Goa-SR	76	77	0	0
8	ISGS/IPPs	0	0	15924	13454
	Total SR	51536	37924	46217	31246
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	108	96	0	0
2	Assam	1097	1005	276	285
3	Manipur	182	120	0	0
4	Meghalaya	350	287	142	36
5	Mizoram	101	82	64	59
6	Nagaland	158	165	18	18
7	Tripura	211	228	167	166

8	ISGS/IPPs	0	0	2315	2270
	Total NER	2206	1984	2982	2833
	Total All India	183828	133854	191136	138000