

National Load Despatch Centre Total Transfer Capability for Nov 2022									
Issue Date:Oct 30 2022				Issue Time:14:54:58			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 Nov to 03 Nov	00:00 to 17:00	1850	60	1790	455	1335	930	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1
		17:00 to 21:00	1620	60	1560	455	1105	710	
		21:00 to 24:00	1850	60	1790	455	1335	1105	
	04 Nov to 30 Nov	00:00 to 07:00	920	60	860	455	405	0	
		07:00 to 12:00	895	60	835	455	380	0	
		12:00 to 18:00	910	60	850	455	395	0	
		18:00 to 22:00	745	60	685	455	230	0	
	22:00 to 24:00	920	60	860	455	405	0		
ER-NR	01 Nov to 30 Nov	00:00 to 24:00	8000	400	7600	4854	2746	0	
ER-SR	01 Nov to 30 Nov	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 Nov to 30 Nov	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Nov to 03 Nov	00:00 to 17:00	2650	60	2590	258	2332	-715	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1
		17:00 to 21:00	2550	60	2490	258	2232	-830	

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
		21:00 to 24:00	2650	60	2590	258	2332	-620	
	04 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Nov to 30 Nov	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	
W3 Injection	01 Nov to 30 Nov	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Nov to 30 Nov	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Nov to 30 Nov	00:00 to 06:00	17800	1000	16800	11114	5686	0	
		06:00 to 18:00	17800	1000	16800	11413	5387	0	
		18:00 to 24:00	17800	1000	16800	11114	5686	0	
WR-SR	01 Nov	00:00 to 06:00	11600	650	10950	3602	7348	0	

Corridor	to 30 Nov 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	11600	650	10950	4564	6386	0	
		18:00 to 24:00	11600	650	10950	3602	7348	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 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 Nov to 30 Nov	00:00 to 24:00	NA	NA		NA		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
NER	01 Nov to 03 Nov	00:00 to 17:00	1350	60	1290	455	835	430	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1
		17:00 to 21:00	1120	60	1060	455	605	210	
		21:00 to 24:00	1350	60	1290	455	835	605	
	04 Nov to 30 Nov	00:00 to 07:00	920	60	860	455	405	0	
		07:00 to 12:00	895	60	835	455	380	0	
		12:00 to 18:00	910	60	850	455	395	0	
		18:00 to 22:00	745	60	685	455	230	0	
	22:00 to 24:00	920	60	860	455	405	0		
NR	01 Nov to 30 Nov	00:00 to 06:00	25800	1400	24400	15968	8432	0	
		06:00 to 18:00	25800	1400	24400	16267	8133	0	
		18:00 to 24:00	25800	1400	24400	15968	8432	0	
SR	01 Nov to 30 Nov	00:00 to 06:00	17300	1000	16300	6852	9448	0	
		06:00 to 18:00	17300	1000	16300	7880	8420	0	
		18:00 to 24:00	17300	1000	16300	6852	9448	0	
WR	01 Nov to 30 Nov	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 - Vindhychal 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 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 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 Nov to 30 Nov	00:00 to 24:00	NA	NA		NA		0	
NER	01 Nov to 03 Nov	00:00 to 17:00	3150	60	3090	258	2832	-215	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1
		17:00 to 21:00	3050	60	2990	258	2732	-330	
		21:00 to 24:00	3150	60	3090	258	2832	-120	
	04 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	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	0-4
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 Vindhychal-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	28 Aug	01 Nov to 30 Nov	Revised STOA margin due to increase in LTA quantum of 34.43 MW from NSNTPC_FTG1 to TSSPDCL	NR-WR
		01 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	Revised STOA margin due to operationalization of new MTOA quantum of 102 MW from SEILP2 to Gujarat	SR-WR
		01 Nov to 30 Nov	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
		01 Nov to 30 Nov	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 Nov to 30 Nov	Revised STOA margin due to increase in LTA quantum of 34.43 MW from NSNTPC_FTG1 to TSSPDCL	NR_EXPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 Nov to 30 Nov	Revised STOA margin due to operationalization of new MTOA quantum of 102 MW from SEILP2 to Gujarat	SR_EXPORT
2	28 Sep	01 Nov to 30 Nov	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 Nov to 30 Nov	Revised STOA margin due to increase in LTA quantum by 23.4 MW from SITAC_CHUGGER_BHJ2_W to Pondicherry	WR-SR
		01 Nov to 30 Nov	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 Nov to 30 Nov	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	SR_IMPORT
3	28 Oct	01 Nov to 30 Nov	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 Nov to 30 Nov	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 Nov to 30 Nov	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	WR-SR
		01 Nov to 30 Nov	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 Nov to 30 Nov	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	SR_IMPORT
		01 Nov to 30 Nov	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
4	30 Oct	01 Nov to 03 Nov	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1	ER-NER
		01 Nov to 03 Nov	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1	NER-ER
		01 Nov to 03 Nov	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1	NER_IMPORT
		01 Nov to 03 Nov	TTC/ATC revised due to change in LGB and Continuous Shutdown of Palatana Unit-1	NER_EXPORT

BASECASE LGBR			
		Month:	Nov - 22

S.No.	Name of State/Region	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	<b>NORTHERN REGION</b>				
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
	<b>Total NR</b>	<b>59033</b>	<b>50620</b>	<b>49662</b>	<b>39730</b>
II	<b>EASTERN REGION</b>				
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
	<b>Total ER</b>	<b>27633</b>	<b>23622</b>	<b>36340</b>	<b>30107</b>
III	<b>WESTERN REGION</b>				
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
	<b>Total WR</b>	<b>51902</b>	<b>41385</b>	<b>65696</b>	<b>54019</b>
IV	<b>SOUTHERN REGION</b>				
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
	<b>Total SR</b>	<b>52684</b>	<b>44966</b>	<b>45457</b>	<b>40386</b>
V	<b>NORTH-EASTERN REGION</b>				
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