National Load Despatch Centre
Total Transfer Capability for Jan 2023

Issue Date:Jan 01 2023 | **Issue Time:16:50:39** | **Revision No :5**

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 Jan to 31 Jan	00:00 to 17:00	1700	60	1640	455	1185	0	
		17:00 to 21:00	1530	60	1470	455	1015	0	
		21:00 to 24:00	1700	60	1640	455	1185	0	
ER-NR	01 Jan to 02 Jan	00:00 to 24:00	8000	400	7600	4968	2632	0	
	03 Jan to 03 Jan	00:00 to 08:00	8000	400	7600	4968	2632	0	
		08:00 to 24:00	7350	400	6950	4968	1982	-650	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2
	04 Jan to 31 Jan	00:00 to 24:00	8000	400	7600	4968	2632	0	
ER-SR	01 Jan to 31 Jan	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 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
NER-ER	01 Jan to 31 Jan	00:00 to 17:00	2600	60	2540	258	2282	0	
		17:00 to 21:00	2480	60	2420	258	2162	0	
		21:00 to 24:00	2600	60	2540	258	2282	0	
NR-ER	01 Jan to 31 Jan	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	

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
NR-WR	01 Jan to 31 Jan	00:00 to 06:00	3600	500	3100	1232	1868	0	
		06:00 to 18:00	3600	500	3100	5035	0	0	
		18:00 to 24:00	3600	500	3100	1232	1868	0	
SR-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Jan to 31 Jan	00:00 to 06:00	6700	650	6050	852	5198	0	
		06:00 to 18:00	6700	650	6050	1052	4998	0	
		18:00 to 24:00	6700	650	6050	852	5198	0	
W3 Injection	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
WR-NR	01 Jan to 02 Jan	00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 18:00	17800	1000	16800	11434	5366	0	
		18:00 to 24:00	17800	1000	16800	11135	5665	0	
	03 Jan to 03 Jan	00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 08:00	17800	1000	16800	11434	5366	0	
		08:00 to 18:00	17100	1000	16100	11434	4666	-700	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2
		18:00 to 24:00	17100	1000	16100	11135	4965	-700	
	04 Jan to 31 Jan	00:00 to 06:00	17800	1000	16800	11135	5665	0	
		06:00 to 18:00	17800	1000	16800	11434	5366	0	
		18:00 to 24:00	17800	1000	16800	11135	5665	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-SR	01 Jan to 31 Jan	00:00 to 06:00	11600	650	10950	3611	7339	0	
		06:00 to 18:00	11600	650	10950	4573	6377	0	
		18:00 to 24:00	11600	650	10950	3611	7339	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) 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.

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 appropiate 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 appropiate 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 Paricha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Paricha 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 Jan to	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
	31 Jan								
NER	01 Jan to 31 Jan	00:00 to 17:00	1200	60	1140	455	685	0	
		17:00 to 21:00	1030	60	970	455	515	0	
		21:00 to 24:00	1200	60	1140	455	685	0	
NR	01 Jan to 02 Jan	00:00 to 06:00	25800	1400	24400	16103	8297	0	
		06:00 to 18:00	25800	1400	24400	16402	7998	0	
		18:00 to 24:00	25800	1400	24400	16103	8297	0	
	03 Jan to 03 Jan	00:00 to 06:00	25800	1400	24400	16103	8297	0	
		06:00 to 08:00	25800	1400	24400	16402	7998	0	
		08:00 to 18:00	24450	1400	23050	16402	6648	-1350	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2
		18:00 to 24:00	24450	1400	23050	16103	6947	-1350	
	04 Jan to 31 Jan	00:00 to 06:00	25800	1400	24400	16103	8297	0	
		06:00 to 18:00	25800	1400	24400	16402	7998	0	
		18:00 to 24:00	25800	1400	24400	16103	8297	0	
SR	01 Jan to 31 Jan	00:00 to 06:00	17300	1000	16300	6862	9438	0	
		06:00 to 18:00	17300	1000	16300	7889	8411	0	
		18:00 to 24:00	17300	1000	16300	6862	9438	0	
WR	01 Jan to 31 Jan	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 appropiate 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 appropiate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Paricha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Paricha 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 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER	01 Jan to 31 Jan	00:00 to 17:00	3100	60	3040	258	2782	0	
		17:00 to 21:00	2980	60	2920	258	2662	0	
		21:00 to 24:00	3100	60	3040	258	2782	0	
NR	01 Jan to 31 Jan	00:00 to 06:00	3600	500	3100	1357	1743	0	
		06:00 to 18:00	3600	500	3100	7025	0	0	
		18:00 to 24:00	3600	500	3100	1357	1743	0	
SR	01 Jan to 31 Jan	00:00 to 06:00	5650	650	5000	1970	3030	0	
		06:00 to 18:00	5650	650	5000	2320	2680	0	
		18:00 to 24:00	5650	650	5000	1970	3030	0	
WR	01 Jan to 31 Jan	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	0-5
NR-ER	(N-1) contingency of 400 kV Saranath-Pusauli	0-5
ER-NR	Inter-regional flow pattern towards NR	0-5
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	0-5
ER-SR	Low Voltage at Gazuwaka (East) Bus.	0-5
SR-WR	N-1 contingency of HVDC Raigarh Pugalur Monople (SR to WR direction) will overload 400 kV Kolhapur-PG - Kolhapur-MS - 2	4-5
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-5
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	0-5
NR_IMPORT	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	0-5
NR_EXPORT	(N-1) Contingency of 400 kV Banaskantha - Veloda D/C	0-5
NER_IMPORT	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	0-5
NER_EXPORT	N-1 contingency of 220 kV Salakati - BTPS I or II will overload the other circuit	0-5
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	0-5
SR_EXPORT	N-1 contingency of HVDC Raigarh Pugalur Monople (SR to WR direction) will overload 400 kV Kolhapur-PG - Kolhapur-MS - 2	4-5

Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Oct	01 Jan to 31 Jan	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 Jan to 31 Jan	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 Jan to 31 Jan	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	WR-SR
		01 Jan to 31 Jan	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 Jan to 31 Jan	Revised STOA margin due to increase in LTA quantum by 3.6 MW from SITAC_CHUGGER_BHJ2_W to PONDY	SR_IMPORT
		01 Jan to 31 Jan	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
2	28 Nov	01 Jan to 31 Jan	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 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry	WR-SR
		01 Jan to 31 Jan	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 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA quantum from SITAC_CHUGGER_BHUJ 2 by 4.5 MW to Pondicherry	SR_IMPORT
		01 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA quantum from HIRIYUR_OSTROKANNADA by 25.2 MW to Bihar	SR_EXPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
3	28 Dec	01 Jan to 31 Jan	Revised STOA margin due to new approved LTA from a) ASEJOPL_S_FTG2 to CSEB by 93.33 MW b) ASEJOPL_W_FTG2 to CSEB by 373.33 MW	NR-WR
		01 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA from a) SRIJAN_MORJAR_BHJ2_W to BRPL by 3.6 MW b) SITAC_CHUGGER_BHJ2_W to BRPL by 4.5 MW c) SITAC_CHUGGER_BHJ2_W to BYPL by 4.5 MW	WR-NR
		01 Jan to 31 Jan	Revised STOA margin due to new approved MTOA from RTPS to NR Constituents by 115 MW	ER-NR
		01 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA from SITAC_CHUGGER_BHJ2_W to PONDY by 4.5 MW	WR-SR
		01 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA from a) SRIJAN_MORJAR_BHJ2_W to BRPL by 3.6 MW b) SITAC_CHUGGER_BHJ2_W to BRPL by 4.5 MW c) SITAC_CHUGGER_BHJ2_W to BYPL by 4.5 MW d) new approved MTOA from RTPS to NR Constituents by 115 MW	NR_IMPORT
		01 Jan to 31 Jan	Revised STOA margin due to increase in approved LTA from SITAC_CHUGGER_BHJ2_W to PONDY by 4.5 MW	SR_IMPORT
		01 Jan to 31 Jan	Revised STOA margin due to new approved LTA from a) ASEJOPL_S_FTG2 to CSEB by 93.33 MW b) ASEJOPL_W_FTG2 to CSEB by 373.33 MW	NR_EXPORT
4	30 Dec	01 Jan to 31 Jan	Due to the shutdown of 400KV-KOLHAPUR-MS-KOLHAPUR GIS-1	SR-WR
		01 Jan to 31 Jan	i) Shutdown of One unit of kameng ii) Shutdown of 220 kV BTP-Salakati circuit I	ER-NER
		01 Jan to 31 Jan	i) Shutdown of One unit of kameng ii) Shutdown of 220 kV BTP-Salakati circuit I	NER-ER
		01 Jan to 31 Jan	i) Shutdown of One unit of kameng ii) Shutdown of 220 kV BTP-Salakati circuit I	NER_IMPORT
		01 Jan to 31 Jan	i) Shutdown of One unit of kameng ii) Shutdown of 220 kV BTP-Salakati circuit I	NER_EXPORT
		01 Jan to 31 Jan	Due to the shutdown of 400KV-KOLHAPUR-MS-KOLHAPUR GIS-1	SR_EXPORT
5	01 Jan	03 Jan to 03 Jan	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2	WR-NR
		03 Jan to 03 Jan	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2	ER-NR
		03 Jan to 03 Jan	Due to the shutdown of 400 kV New Ranchi-Chandwa 1 & 2	NR_IMPORT

BASECASE LGBR					
				Month:	Jan'23
S.No.	Name of State/Region	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	6113	4054	2787	1567
2	Haryana	6248	4498	2476	1734
3	Rajasthan	13994	7712	9481	6392
4	Delhi	4681	1843	532	499
5	Uttar Pradesh	15190	11343	10916	6884
6	Uttarakhand	2086	1592	544	236
7	Himachal Pradesh	1829	1085	372	198
8	Jammu & Kashmir	2518	2318	234	229
9	Chandigarh	250	105	0	0
10	ISGS/IPPs	53	53	16690	5919
	Total NR	52962	34603	44031	23657

II	EASTERN REGION				
1	Bihar	4478	3610	474	461
2	Jharkhand	1489	1281	375	365
3	Damodar Valley Corporation	3143	3365	4800	4794
4	Odisha	5292	4602	3261	2829
5	West Bengal	5545	4684	5454	5150
6	Sikkim	101	79	0	0
7	Bhutan	56	58	205	181
8	ISGS/IPPs	608	508	15069	11083
	Total ER	20713	18187	29637	24863
III	WESTERN REGION				
1	Maharashtra	21710	15691	14525	11948
2	Gujarat	17641	12402	8842	6775
3	Madhya Pradesh	15033	7709	5835	4097
4	Chattisgarh	4280	2921	2095	2250
5	Daman and Diu	0	0	0	0
6	Dadra and Nagar Haveli	815	796	0	0
7	Goa-WR	481	415	0	0
8	ISGS/IPPs	5018	3769	44419	30046
	Total WR	64978	43703	75715	55116
IV	SOUTHERN REGION				
1	Andhra Pradesh	9053	6442	5330	3725
2	Telangana	11756	9120	6619	4884
3	Karnataka	12704	8491	7151	5523
4	Tamil Nadu	15142	12916	8588	5286
5	Kerala	3069	2481	694	121
6	Pondy	387	388	0	0
7	Goa-SR	91	91	0	0
8	ISGS/IPPs	0	0	20060	16729
	Total SR	52201	39929	48442	36266
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	108	95	0	0
2	Assam	1128	1011	311	318
3	Manipur	192	141	0	0
4	Meghalaya	373	300	99	24
5	Mizoram	101	81	58	58
6	Nagaland	158	163	18	18
7	Tripura	214	228	154	151
8	ISGS/IPPs	0	0	2261	2214
	Total NER	2273	2020	2902	2783
	Total All India	193127	138441	200727	142684